

7.5

IBM WebSphere MQ Reference

IBM

Note

Before using this information and the product it supports, read the information in [“Notices” on page 881](#).

This edition applies to version 7 release 5 of IBM® WebSphere® MQ and to all subsequent releases and modifications until otherwise indicated in new editions.

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Reference

Use the reference information in this section to accomplish the tasks that address your business needs.

- [Syntax diagrams](#)
- [“Troubleshooting and support reference” on page 212](#)

Configuration reference PDF

From May 2021, the configuration reference information has moved to a separate PDF.

[mq75.refconfig.pdf](#) is available in the same directory as [mq75.reference.pdf](#).

Administration reference PDF

From May 2021, the administration reference information has moved to a separate PDF.

[mq75.refadmin.pdf](#) is available in the same directory as [mq75.reference.pdf](#).

Developing applications reference PDF

From May 2021, the developing applications reference information has moved to a separate PDF.

[mq75.refdev.pdf](#) is available in the same directory as [mq75.reference.pdf](#).

IBM WebSphere MQ Telemetry Reference

Information about programming MQTT clients

-

MQ Telemetry Transport format and protocol

The MQ Telemetry Transport (MQTT) is a lightweight publish/subscribe protocol flowing over TCP/IP to connect large numbers of remote sensors and control devices. MQTT is used by specialized applications on small footprint devices that must tolerate low bandwidth and unreliable communication. You can write your own clients to use the published protocol, or use one of the clients supplied with the installation of IBM WebSphere MQ Telemetry. There are additional MQTT clients available as SupportPacs, and from business partners.

IBM WebSphere MQ Telemetry uses version 3.1 of the MQ Telemetry Transport (MQTT) protocol. IBM publishes the protocol specification at <https://public.dhe.ibm.com/software/dw/webservices/ws-mqtt/mqtt-v3r1.html>.

If you have obtained an MQTT client from a source other than an installation of IBM WebSphere MQ, check the version of the MQTT protocol supported by the client.

Currently, clients from sources other than IBM WebSphere MQ Telemetry typically support a different level of the MQTT protocol and do not work correctly with the IBM WebSphere MQ Telemetry service. For these clients, a thin conversion layer is required that converts the clients to MQTT v3.1. Check with the source of your client if the conversion layer is available as an update to the client you intend to use.

IBM WebSphere MQ Telemetry Telemetry daemon for devices reference information

Reference information for configuring the WebSphere MQ Telemetry daemon for devices.

WebSphere MQ Telemetry daemon for devices configuration file

Use the daemon configuration file to set WebSphere MQ Telemetry daemon for devices configuration parameters. The configuration file contains three types of parameters that control the daemon: global, bridge, and listener parameters.

Daemon configuration file

WebSphere MQ Telemetry daemon for devices configuration options are selected by entries in the daemon configuration file. The default configuration file is named `amqtdd.cfg`. It is in the same directory as the daemon executable program.

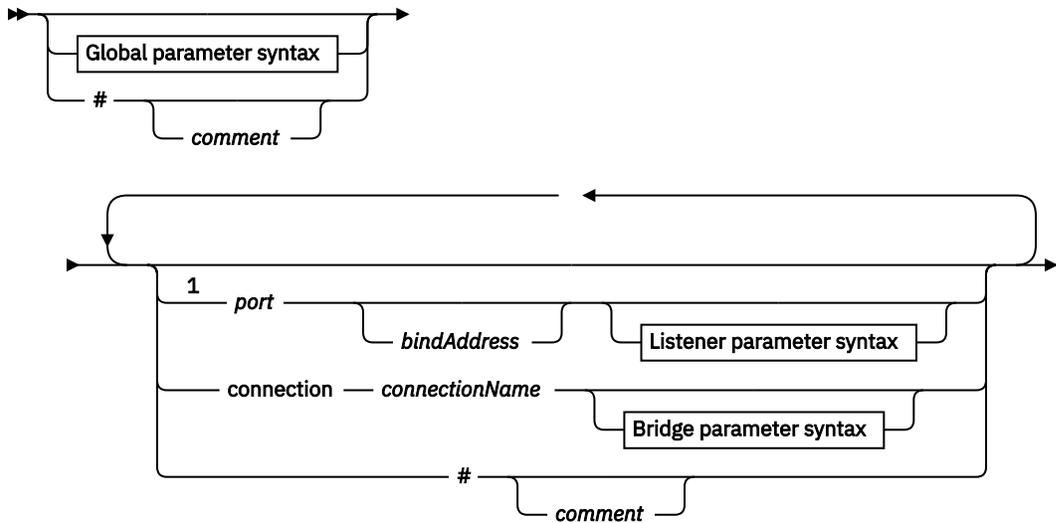
Specify a different configuration file by passing the path and file name as a single parameter when you start the daemon. For example, if the configuration file is called `testdaemon.cfg`, enter the following command to start the daemon:

```
./amqtdd testdaemon.cfg
```

When started, the daemon checks for the existence of the configuration file. If the file does not exist, the daemon runs with default settings.

You can change some of the configuration options while the WebSphere MQ Telemetry daemon for devices is running. Place the updates in a file named `amqtdd.upd`. See [Modifying daemon configuration while it is running](#) for the complete list of the commands and options that you can place in `amqtdd.upd`.

Configuration file syntax



Global parameter syntax

➔ 2 ➔

Bridge parameter syntax

➔ 3 ➔

Listener parameter syntax

➔ 4 ➔

Notes:

¹ A default listener exists on `port`. `port` is a global parameter and defaults to 1883

² See [“Global parameters syntax” on page 8](#).

³ See [Bridge parameters syntax](#).

⁴ See [Listener parameters syntax](#).

The configuration file is a text file. Type each configuration parameter in the configuration file on a single line. You can format the file with spaces and tabs anywhere on a line.

Configuration file parameters

Bridge parameters

Bridge parameters control how this daemon connects to another publish/subscribe broker using the MQTT v3 protocol; see [“Bridge parameters” on page 14](#).

Bridge parameters must follow any global parameters. All bridge parameters for each connection must be on consecutive lines.

Note: The term bridge is used to describe the bridge component of the daemon. The bridge component makes connections to other brokers using the MQTT V3 protocol and propagates publications from broker to broker; see [WebSphere MQ Telemetry daemon for devices bridges](#) [WebSphere MQ Telemetry daemon for devices bridges](#). A connection is an instance of the bridge that connects to a specific broker. Examples of connections would be a connection to WebSphere MQ using a WebSphere MQ Telemetry channel, or a connection to another daemon.

connection *connectionName*

The name of the connection. The name must be alphanumeric; for example, `connection1`. A connection connects the daemon to a queue manager using a WebSphere MQ telemetry channel or to another daemon using a listener; see [“WebSphere MQ Telemetry daemon for devices listener parameters” on page 18](#).

connectionName is combined with the system *hostname* to create a `ClientIdentifier`. `ClientIdentifier` identifies the bridge to the listener or telemetry channel it connects to. The bridge is an MQTT v3 client.

Connection indicates the start of a bridge connection section in the configuration file and must follow all the global parameters. Listener sections and bridge sections can occur in any order.

Global parameters

Global parameters control the overall operation of the daemon; see [“Global parameters” on page 10](#). Global parameters must precede any listener or bridge parameters.

listener *portNumber* | **default** *bindAddress*

Creates a new listener with the specified *portNumber* and an optional local *bindAddress*; see [bind_address](#). The listener connects MQTT clients to the daemon.

listener indicates the start of a listener section in the configuration file and must follow all the global settings. Listener sections and bridge sections can occur in any order.

Listener parameters

Listener parameters control how MQTT clients and other daemons connect to this WebSphere MQ daemon for devices; see [“Listener parameters” on page 18](#). Listener parameters must follow any global parameters. All listener parameters for each listener must be on consecutive lines.

*comment*

Comments can be placed on any line in the file, by placing a `#` as the first nonwhite-space character on the line. Trailing comments on a line are not supported.

Example configuration file

```
# Sample configuration
# Daemon listens on port 1882 with persistence in /tmp
port 1882
persistence_location /tmp/
retained_persistence true
```

Related reference

[WebSphere MQ Telemetry daemon for devices global parameters](#)

[IBM WebSphere MQ Telemetry daemon for devices bridge parameters](#)

[WebSphere MQ Telemetry daemon for devices listener parameters](#)

[WebSphere MQ Telemetry daemon for devices command file](#)

WebSphere MQ Telemetry daemon for devices global parameters

Set global parameters in the daemon configuration file to control the daemon.

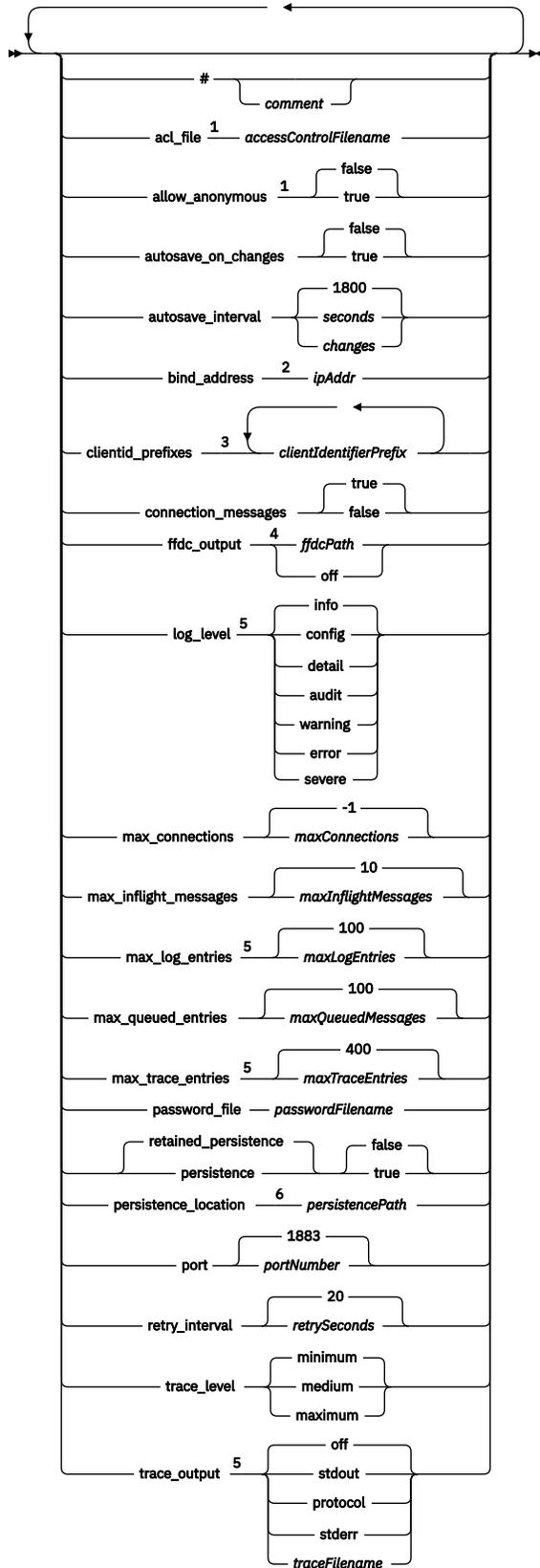
Global parameters syntax

Global parameter settings must precede any bridge or listener sections in the configuration file.

The name and format of the configuration file are described in [“WebSphere MQ Telemetry daemon for devices configuration file”](#) on page 6.

You can modify some of the parameters, while the daemon is running, by placing updates in the `amqtdd.upd` file; see [Modifying the daemon while it is running](#).

Global parameters syntax



Notes:

- ¹ Only allowed if *passwordFilename* specified.
- ² The default is connections from all network interfaces are allowed.

- ³ The default is any client identifiers allowed.
- ⁴ The default path is *persistencePath*.
- ⁵ Update this parameter while WebSphere MQ Telemetry daemon for devices is running by placing it in the `amqtdd.upd` file.
- ⁶ The default path is the installation directory for the WebSphere MQ Telemetry daemon for devices.

Global parameters

Global parameters control the overall operation of the daemon.

comment

Comments can be placed on any line in the file, by placing a # as the first nonwhite-space character on the line. Trailing comments on a line are not supported.

acl_file accessControlFilename

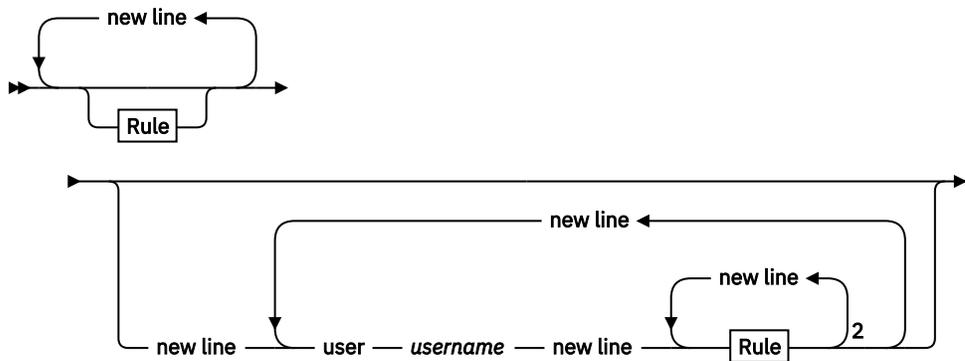
accessControlFilename is the name of a file containing access control rules. The default is not to provide an access control file, and not to apply any access control. Access control is turned on only if *password_file* and *accessControlFilename* are specified. If access control is turned on, the default is to restrict access to every topic. Access is granted to topics by rules in the access control file.

The file is in plain text, with one access control rule per line. The first set of rules is universal, and apply to all users, including anonymous users. After the universal rules, there are sets of rules for any user in the password definition file.

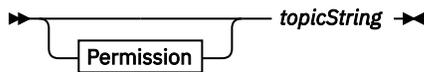
Each rule is a permission, followed by a topic string that can contain wildcards that identify the topics to which the permission is applied. The effect of the rules is cumulative. That is, the daemon starts with no one permitted access any topic. It applies each rule to add to the topics each user is permitted to read and write.

The file is organized as follows:

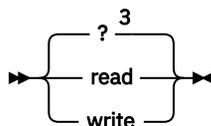
Access control file syntax



Rule



Permission



Notes:

- ¹ Universal rules
- ² User-specific rules
- ³ read/write

The access control file has the following parameters:

permission topicString

Add read or write, or read and write permission to topics that match *topicString*. The rules apply either to all users, or in the user sections of the file, to individual users. The effect of the rules is additive. The rules extend the set of topics a user is allowed to read and write.

Rules that provide full, or read access, cannot use the + wildcard. Write-only rules can use the + wildcard.

Topics in the access control list file must include topic prefixes applied by the use of mount points.

user *username*

The following rules apply to the user in the password file with the user ID, *username*.

allow_anonymous true|false

allow_anonymous is applicable only if password_file has been specified. Set allow_anonymous to true to allow clients to connect without providing authentication information. Set allow_anonymous to false to force clients to provide authentication information. See [Authentication of clients](#).

autosave_on_changes true|false

Set autosave_on_changes to change how the value of autosave_interval is used. Set autosave_on_changes to true to trigger an autosave when the number of changes reaches *autosaveChanges*. Set autosave_on_changes to false to trigger an autosave when the number of seconds since the last autosave reaches *autosaveSeconds*.

autosave_interval *autosaveSeconds*|*autosaveChanges* | 1800

autosave_interval is the length of the autosave interval either in seconds or the number of changes, depending on the autosave_on_changes setting. 0 means no autosave. See [Saving retained messages and subscriptions](#).

bind_address *ipAddr*

The default bind_address value is for the daemon to allow connections from all network interfaces *ipAddr* is the local IP address to bind to for the default listener. Use bind_address if the host system has multiple network cards and you want to limit access to be from one network. Specify *ipAddr* as 127.0.0.1 to restrict client connections only to connections from the same workstation as the daemon.

clientid_prefixes *clientIdentifierPrefix*

clientid_prefixes is a list of prefixes to restrict the clients that are allowed to connect to the daemon. Only clients with client identifiers that start with *clientIdentifierPrefix* are allowed to connect. Any other connections are rejected. For example, setting *clientIdentifierPrefix* to test_ allows only clients with client identifiers such as test_1 and test_connection to connect.

connection_messages true|false

Set connection_messages to true to log client connection and disconnection messages. Set connection_messages to false to turn logging of connection messages off.

ffdc_output *ffdcPath*|off| Persistence_location

The default value of ffdc_output is [persistencePath](#).

ffdcPath is the directory path, excluding the file name, used to store FFDC files. The prefix must include the trailing directory separator, / or \.

The value off turns off FFDC writing altogether. Turning off FFDC writing makes problem determination difficult.

log_level config|detail| info|audit|warning|error|severe

log_level is the level of log output required. The log levels are listed in order of increasing importance.

Log messages are written to stdout and to the \$SYS/broker/log topic.

max_connections maxConnections| -1

The default value of max_connections is -1, no limit.

maxConnections is the maximum number of active clients that can connect to the default port. See [Listener settings](#) to set this parameter for other ports.

max_inflight_messages maxInflightMessages| 10

maxInflightMessages is the maximum number of QoS=1 or QoS=2 outbound messages that are being acknowledged or sent again for a client; see [Qualities of service provided by an MQ Telemetry Transport client](#).

max_log_entries maxLogEntries| 100

maxLogEntries is the maximum number of log entries remembered for retrieval by the **trace_dump** command or in an FFDC.

max_queued_entries maxQueuedMessages| 100

maxQueuedMessages is the maximum number of QoS=1 or QoS=2 messages that can be queued for delivery to each client; see [Qualities of service provided by an MQ Telemetry Transport client](#).

Note: If the queue of messages for a client fills up, any subsequent messages for that client are discarded and are not delivered to that client. When the queue is able to accept messages again, normal message delivery resumes.

max_trace_entries maxTraceEntries| 400

maxTraceEntries is the maximum number of trace entries remembered for retrieval by the **trace_dump** command or in an FFDC.

password_file passwordFilename

The default, having no password file, is not to apply authentication.

passwordFilename is the name of a file containing user name and password authentication information. The file is in plain text, with one password definition per line. Each definition has the following format:

```
username:password
```

persistence| retained_persistence true| false

Set retained_persistence to true to save retained publications and durable subscriptions when the daemon is shut down and restored when the daemon restarts. Set retained_persistence to false to discard retained messages and subscriptions. See [Saving retained messages and subscriptions](#).

Note: Persistence and retained_persistence are synonyms. Use retained_persistence in preference to persistence.

persistence_location persistencePath

The default persistence_location is the directory in which the daemon is installed.

persistencePath is the directory path to store retained messages and durable subscriptions. The path must include the trailing directory separator, / or \ and does not include a file name.

port portNumber| 1883

The default listener uses portNumber to listen for MQTT client connections.

retry_interval *retrySeconds* | **20**

retrySeconds is the number of seconds before the daemon tries to send an unacknowledged message with at least once or at most once quality of service again.

trace_level **minimum** | **medium** | **maximum**

trace_level is the level of trace taken and stored in an internal buffer.

trace_output **off** | **stdout** | **stderr** | **protocol** | *tracePath*

trace_output is the destination to write trace entries as they occur. It also controls whether a full trace or just a message trace is taken.

Tracing continues indefinitely until explicitly turned off and results in large files.

The **protocol** setting writes an entry for every MQTT message sent to or received from a client to **stdout**.

The **stdout**, **stderr** and *tracePath* settings write a complete trace to the specified destination.

tracePath is either a path, or a file name, relative to the working directory.

Related reference

[WebSphere MQ Telemetry daemon for devices configuration file](#)

Use the daemon configuration file to set WebSphere MQ Telemetry daemon for devices configuration parameters. The configuration file contains three types of parameters that control the daemon: global, bridge, and listener parameters.

[IBM WebSphere MQ Telemetry daemon for devices bridge parameters](#)

[WebSphere MQ Telemetry daemon for devices listener parameters](#)

[WebSphere MQ Telemetry daemon for devices command file](#)

IBM WebSphere MQ Telemetry daemon for devices bridge parameters

Configure a IBM WebSphere MQ Telemetry daemon for devices bridge connection by setting bridge parameters in the daemon configuration file.

See [IBM WebSphere MQ Telemetry daemon for devices bridges](#) for an explanation and examples showing how a bridge connection propagates publications to and from the IBM WebSphere MQ Telemetry daemon for devices.

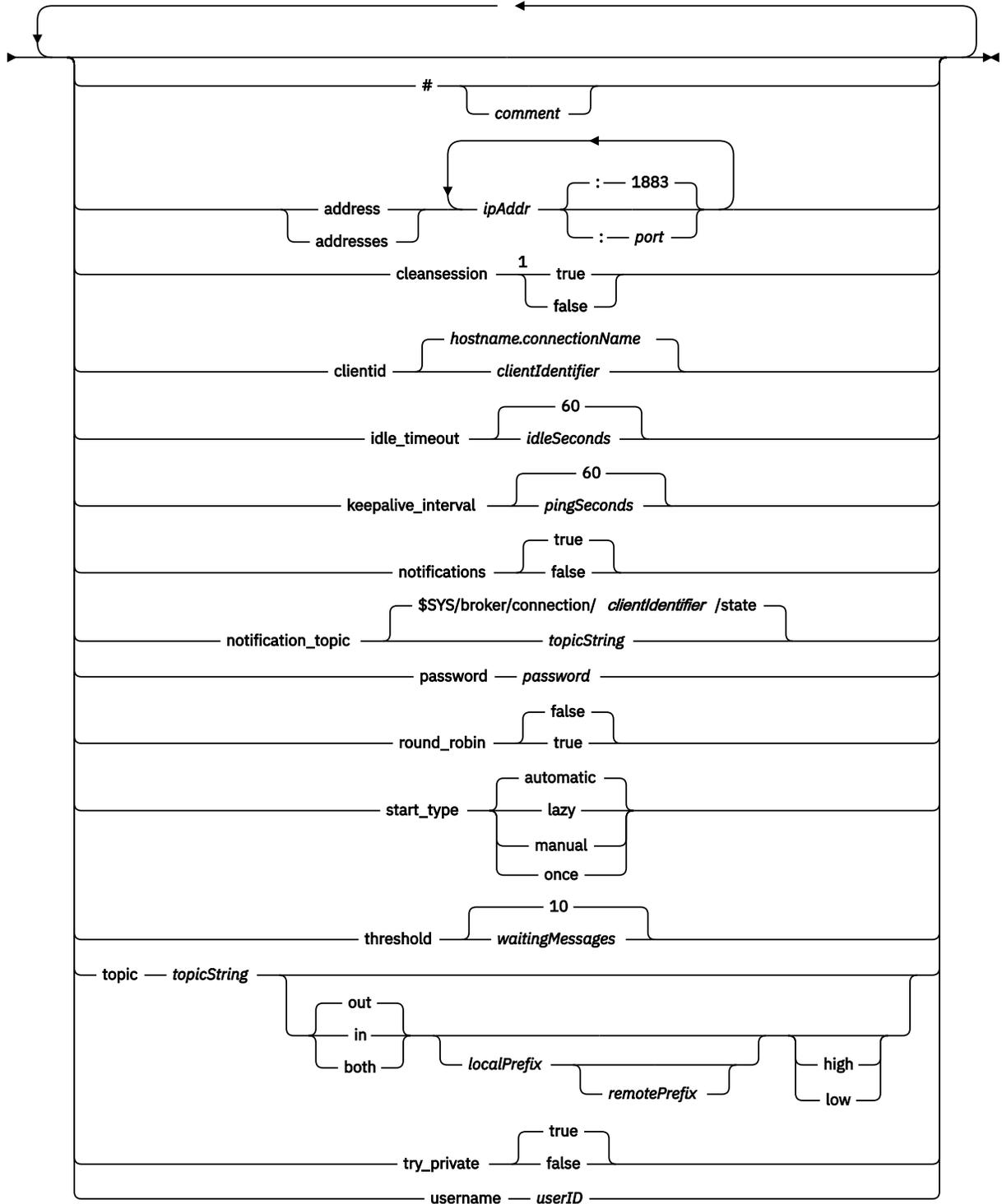
Bridge parameters syntax

Each bridge section of the configuration file starts with a connection parameter, see [“WebSphere MQ Telemetry daemon for devices configuration file” on page 6](#). The parameters specific to a particular connection immediately follow the connection entry.

The only parameters allowed in the file following a bridge section are parameters belonging to listener sections or additional bridge sections.

Connection

→ connection — *connectionName* →



Notes:

¹ If the number of addresses is greater than one, cleansession is true by default, otherwise it is false.

Bridge parameters

comment

Comments can be placed on any line in the file, by placing a # as the first nonwhite-space character on the line. Trailing comments on a line are not supported.

address|addresses *ipAddr :port* | 1883

addresses¹ is a list of TCP/IP socket addresses to which the daemon attempts to make a bridge connection. By default, the first address in the list is treated as the primary server; see [round_robin](#).

Use multiple addresses with IBM WebSphere MQ Telemetry in the following configurations;

Multiple queue managers and multiple network addresses.

The list of *ipAddr* connects to telemetry channels on different queue managers. Set `round_robin` to false if one network address is preferred. Make this the first address in the list. Set `cleansession` to true. If `cleansession` is set to false, unpredictable behavior, including lost publications and subscriptions results.

Single multi-instance queue manager

Provide two addresses; the first address is the active queue manager instance and the second address is the standby. Set `round_robin` to true and `cleansession` to false.

Single queue manager and multiple network addresses

In this configuration the list of IP addresses all connect to the same queue manager through different network paths. The queue manager is configured with multiple telemetry channels listening to different socket addresses. You might configure the server in this way to introduce redundancy into the network connectivity, or to spread the load of many client connections over multiple network adapters. Set `round_robin` to false if one network address is preferred. Make this the first address in the list. Set `cleansession` to false.

See [Availability of IBM WebSphere MQ Telemetry daemon for devices bridge connections](#) for more information about using multiple addresses.

cleansession true|false

The default value of `cleansession` is true if the number of addresses is greater than one, otherwise it is false.

`cleansession` controls session state when the daemon connects, disconnects, and reconnects. Session state includes subscriptions and queued messages.

Set `cleansession` to true to discard session state when connecting and disconnecting. Set `cleansession` to false to save state on disconnecting and restore state on connecting, if possible.

Note: Do not set `cleansession` to false if `addresses` lists multiple IP addresses, and the IP addresses connect to telemetry channels hosted by different queue managers, or to different telemetry daemons. Session state is not transferred between queue managers or daemons. Trying to restart an existing session on a different queue manager or daemon results in a new session being started. In-doubt messages are lost, and subscriptions might not behave as expected.

clientid *clientIdentifier* | *hostname.connectionName*

The default *clientIdentifier* is constructed from concatenating the daemon host name with *connectionName*. The host name is truncated after the first '.' character or 14 characters, whichever is fewer. The combination is truncated at 23 characters if it is longer than 23 characters. `clientid` is passed to the remote server when connecting.

`clientid` must only contain characters from the range: A-Z, a-z, 0-9, './_%.

connection *connectionName*

The name of the connection. The name must be alphanumeric; for example, `connection1`. A connection connects the daemon to a queue manager using a WebSphere MQ telemetry channel or to another daemon using a listener; see [“WebSphere MQ Telemetry daemon for devices listener parameters” on page 18](#).

connectionName is combined with the system *hostname* to create a `ClientIdentifier`. `ClientIdentifier` identifies the bridge to the listener or telemetry channel it connects to. The bridge is an MQTT v3 client.

Connection indicates the start of a bridge connection section in the configuration file and must follow all the global parameters. Listener sections and bridge sections can occur in any order.

¹ Address and Addresses are synonyms. Use either.

idle_timeout *idleSeconds* | 60

Set *idleSeconds* to the number of seconds to elapse before the connection is closed.

keepalive_interval *pingSeconds* | 60

Set *pingSeconds* to the number of seconds between sending MQTT ping requests to the remote system when there has been no other traffic. The minimum value is 5.

notifications true | false

Set notifications to true to switch on bridge connection notifications. Set notifications to false to switch off bridge notifications.

Notifications are retained messages published at both ends of the bridge published to a specially defined topic; see [notification_topic](#).

The notification publication contains a single character indicating the status of the bridge connection. The status is either 1, connected, or 0, disconnected.

The status of a bridge connection can be checked at any time.

notification_topic *topicString* | \$SYS/broker/connection/ *clientIdentifier* /state

The default *notification_topic* is \$SYS/broker/connection/ *clientIdentifier* /state. The default topic includes the *clientIdentifier* of the bridge connection.

Set *topicString* to an alternative topic, if you want to use a different topic to track connection status.

Connection notification messages, with the value 1, connected, or 0, disconnected, are published to this topic.

Note: The default *topicString* contains the prefix \$SYS. Subscribe to topics beginning with \$SYS by defining a topic filter beginning with \$SYS. The topic filter #, subscribe to everything, does not subscribe to topics beginning with \$SYS on the daemon. Think of \$SYS as defining a special system topic space distinct from the application topic space.

password *password*

The default is not to set *password*.

Sets a *password*, which is used in combination with *userID* to authenticate the connection to the remote broker. If the remote connection is to a WebSphere MQ telemetry channel, *userID* is authenticated using JAAS.

round_robin true | false

Set *round_robin* to true to connect to each address in the [addresses](#) list until it is successful. The daemon tries each address in turn starting with the first address, the primary server.

Set *round_robin* to false to force the daemon to connect to the primary server whenever it is available.

If the primary server is unavailable, the daemon tries each address in turn until it makes a connection. It keeps trying to connect to the primary server in the background. As soon as the primary server becomes available again, the daemon reconnects to it, dropping the connection it is currently using.

start_type automatic | lazy | once | manual

Set *start_type* to automatic to keep the bridge connected. The connection opens as soon as the daemon starts. If the connection fails, the daemon restarts it after about 20 seconds.

Set to *start_type* to lazy to reduce network usage and costs. The connection starts when the number of messages waiting reaches [waitingMessages](#). The connection is closed when the bridge has been idle for *idleSeconds*.

Set to *start_type* to manual to start and stop the bridge using start and stop commands; see [Modifying daemon configuration while it is running](#).

Set *start_type* to once to connect the bridge when the daemon is started and to delete it if it is stopped or disconnected. If *start_type* is set to once and the bridge is stopped manually, or disconnected due to an error, the bridge cannot be restarted until the daemon is restarted.

threshold *waitingMessages*

If `start_type` is lazy, the connection starts when the number of queued messages reaches *waitingMessages*.

topic *topicString* [*in*] | *out* | [*both*] *local_prefix* *remote_prefix* [*high*] | [*low*]

The value of the topic parameter can comprise up to five parts:

The first part, *topicString* can be prefixed by an additional topic string: *localPrefix*, or *remotePrefix*. Unlike *topicString*, *localPrefix* and *remotePrefix* must not contain wildcards. *localPrefix* and *remotePrefix* usually end with a / character, to align with topic hierarchies at each end of the bridge.

The second part, which takes the values, [*in*] | *out* | [*both*] , is called the direction parameter. *out* is the default setting.

If the direction is out, then the bridge connection subscribes to publications at the local daemon using the topic filter *localPrefix* | | *topicString*. The publications that are selected are published to the remotely attached broker with the topic string *remotePrefix* | | *topicString*.

If the direction is in, then the bridge connection subscribes to publications at the remote broker using the topic filter *remotePrefix* | | *topicString*. The publications that are selected are published to the local daemon with the topic string *localPrefix* | | *topicString*.

If the direction is both, then the result is the same as having two topic settings, one set to in and one set to out. Only use the both setting when the brokers have a publication loop detection mechanism. A loop detection mechanism stops a publication entering a perpetual loop. There is no loop detection for a bridge is connected to a WebSphere MQ telemetry channel; see [try_private](#).

The optional fifth part is priority, which signifies the priority given to messages sent or received through the bridge, where the topic matches *topicString*. The priority applies only within the IBM WebSphere MQ Telemetry daemon for devices. You can specify a value of [*high*] or [*low*] . If you do not specify a value, the priority is between [*high*] and [*low*] . When messages are queued for a client or bridge connection, the messages with the highest priority are sent first. When multiple topics are applied to one bridge connection, the priority applied to a message is the one from the first matching topic. Therefore it is important to consider the order in which the priority value is set in the configuration file.

See [Example topic settings for the bridge WebSphere MQ Telemetry daemon for devices bridges](#) for examples of using the topic parameter.

try_private *true* | *false*

Set **try_private** to check whether the remote broker is another instance of the daemon. If the remote broker is another IBM WebSphere MQ Telemetry daemon for devices, and `try_private` is set to true, then publication loops between a pair of daemons are detected. Loops involving more complex topologies might not be detected.

username *userID*

The default is not to set *userID*.

Sets a *userID*, which is used in combination with *password* to authenticate the connection to the remote broker. If the remote connection is to a WebSphere MQ telemetry channel, *userID* is authenticated using JAAS.

userID is used for access control if the remote connection is to a daemon. If the remote connection is to a telemetry channel, you have the choice of using *userID* for authorization, or using another identification; see [MQTT client identification, authorization, and authentication](#).

Related reference

[WebSphere MQ Telemetry daemon for devices configuration file](#)

Use the daemon configuration file to set WebSphere MQ Telemetry daemon for devices configuration parameters. The configuration file contains three types of parameters that control the daemon: global, bridge, and listener parameters.

[WebSphere MQ Telemetry daemon for devices global parameters](#)

[WebSphere MQ Telemetry daemon for devices listener parameters](#)

WebSphere MQ Telemetry daemon for devices listener parameters

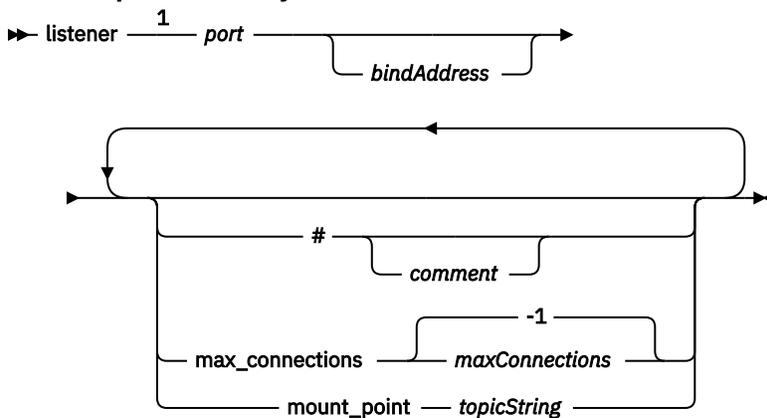
Configure a WebSphere MQ daemon for devices listener by setting listener parameters in the daemon configuration file. MQTT clients and other daemons can connect to a listener and publish and subscribe to topics at the daemon.

Listener parameters syntax

Each listener section of the configuration file starts with a listener parameter, see “[WebSphere MQ Telemetry daemon for devices configuration file](#)” on page 6. The parameters specific to a particular listener immediately follow the listener entry.

The only parameters allowed in the file following a listener section are bridge sections or additional listener sections.

Listener parameters syntax



Notes:

¹ A default listener exists on `port`. `port` is a global parameter and defaults to 1883

Listener parameters

Configure a listener using the following parameters:

comment

Comments can be placed on any line in the file, by placing a `#` as the first nonwhite-space character on the line. Trailing comments on a line are not supported.

listener `portNumber` | `default` `bindAddress`

Creates a new listener with the specified `portNumber` and an optional local `bindAddress`; see [bind_address](#). The listener connects MQTT clients to the daemon.

`listener` indicates the start of a listener section in the configuration file and must follow all the global settings. Listener sections and bridge sections can occur in any order.

max_connections `maxConnections` | `-1`

The default value of `max_connections` is `-1`, no limit.

Set `maxConnections` to the maximum number of active clients that are allowed to be connected to the port simultaneously.

You can set the global parameter, [max_connections](#) to set `maxConnections` for the default port.

mount_point `topicString`

A string that is prefixed to all topic strings published by and subscribed to by clients connecting to this listener. This can be used to ensure clients on different listeners cannot interfere with each other; see [Mount points](#).

Related reference

[WebSphere MQ Telemetry daemon for devices configuration file](#)

Use the daemon configuration file to set WebSphere MQ Telemetry daemon for devices configuration parameters. The configuration file contains three types of parameters that control the daemon: global, bridge, and listener parameters.

[WebSphere MQ Telemetry daemon for devices global parameters](#)

[IBM WebSphere MQ Telemetry daemon for devices bridge parameters](#)

[WebSphere MQ Telemetry daemon for devices command file](#)

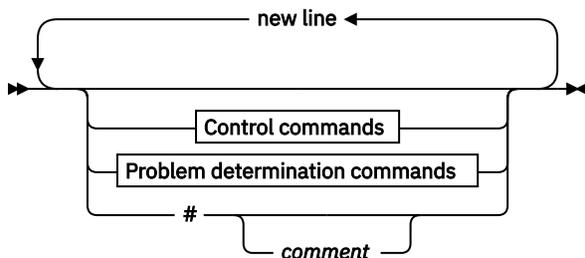
WebSphere MQ Telemetry daemon for devices command file

Use the daemon command file to modify the behavior of a running daemon. You can start and stop a bridge connection, stop the daemon, clear retained publications, and do problem determination.

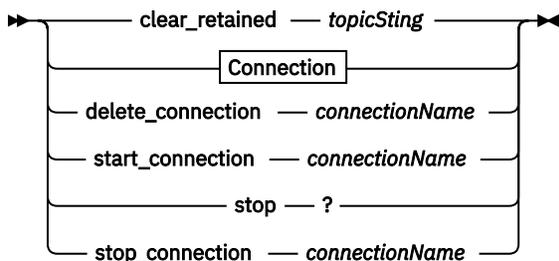
Command file syntax

Place commands in the command file, `amqtdd.upd`. Every 5 seconds the daemon runs the commands in the file, and deletes the file.

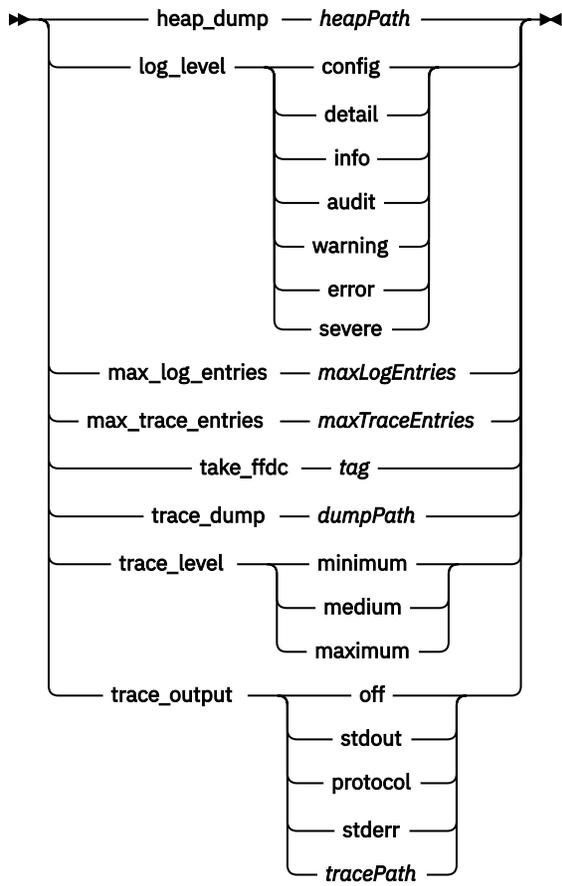
Each command is a separate line in the command file. The commands are acted upon, in order, line by line. Unrecognized commands are written to the command window from which the daemon was started.



Control commands

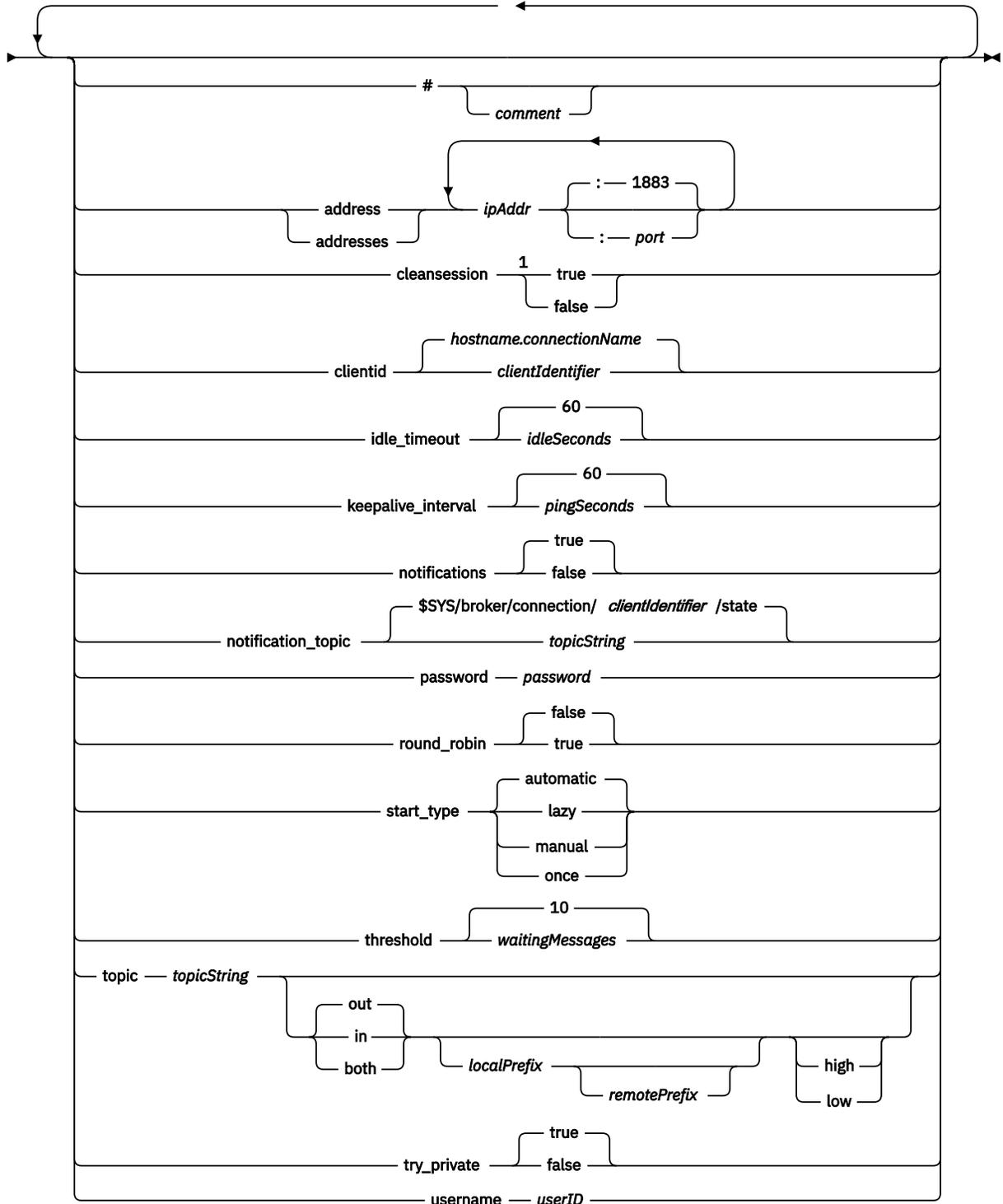


Problem determination commands



Connection

→ connection — *connectionName* →



Notes:

¹ If the number of addresses is greater than one, cleansession is true by default, otherwise it is false.

Control commands

clear_retained *topicString*

Remove retained messages for any topics that match *topicString*. *topicString* can contain wildcards.

Connection

See “[Bridge parameters](#)” on page 14.

delete_connection *connectionName*

Delete the bridge connection *connectionName*. If the connection is running, it is stopped first.

start_connection *connectionName*

Start the bridge connection *connectionName*.

stop_connection *connectionName*

Stop the bridge connection *connectionName*.

Problem determination commands

With the problem determination commands you can modify the settings of `log_level`, `max_log_entries`, `max_trace_entries`, and `trace_output`. You can also take a heap dump, an FFDC snapshot, or a trace buffer dump.

heap_dump *heapPath*

Create a heap dump and write it to *heapPath*. *heapPath* is either a path, or a filename, relative to the working directory.

log_level `config|detail|info|audit|warning|error|severe`

`log_level` is the level of log output required. The log levels are listed in order of increasing importance.

Log messages are written to `stdout` and to the `$/SYS/broker/log` topic.

max_log_entries *maxLogEntries*

maxLogEntries is the maximum number of log entries remembered for retrieval by the **trace_dump** command or in an FFDC.

max_trace_entries *maxTraceEntries*

maxTraceEntries is the maximum number of trace entries remembered for retrieval by the **trace_dump** command or in an FFDC.

take_ffdc *tag*

Take a First Failure Data Capture (FFDC) snapshot of the state of the daemon. The snapshot is written to a `.fdc` file in the folder defined by the daemon configuration parameter, `ffdc_output`; see [ffdc_output](#). *tag* is embedded in the file for identification purposes.

trace_dump *dumpPath*

Dump the trace buffer to *dumpPath*. *dumpPath* is either a path, or a filename, relative to the working directory.

trace_level `minimum|medium|maximum`

`trace_level` is the level of trace taken and stored in an internal buffer.

trace_output `off|stdout|stderr|protocol|tracePath`

`trace_output` is the destination to write trace entries as they occur. It also controls whether a full trace or just a message trace is taken.

Tracing continues indefinitely until explicitly turned off and results in large files.

The **protocol** setting writes an entry for every MQTT message sent to or received from a client to `stdout`.

The `stdout`, `stderr` and *tracePath* settings write a complete trace to the specified destination.

tracePath is either a path, or a file name, relative to the working directory.

Related reference

[WebSphere MQ Telemetry daemon for devices configuration file](#)

Use the daemon configuration file to set WebSphere MQ Telemetry daemon for devices configuration parameters. The configuration file contains three types of parameters that control the daemon: global, bridge, and listener parameters.

[WebSphere MQ Telemetry daemon for devices global parameters](#)

[IBM WebSphere MQ Telemetry daemon for devices bridge parameters](#)

[WebSphere MQ Telemetry daemon for devices listener parameters](#)

MQXR properties

MQXR property settings are stored in a platform-specific properties file: `mqxr_win.properties` or `mqxr_unix.properties`. You normally configure these properties by using MQSC admin commands or MQ Explorer.

When you start a queue manager for the first time, the template version of the MQXR properties file for your platform is copied from the `mqinstall/mqxr/config` directory to the `mqinstall/qmgrs/qmgr_name/mqxr/config` directory.

You do not normally need to edit the MQXR properties file directly, because all properties except one can be configured through MQSC admin commands or MQ Explorer. If you do decide to edit the file directly, stop the queue manager before you make your changes.

The property that you can only set by editing the file directly is **webcontentpath**. If your telemetry client app is a web app, you also need to serve the web app executable JavaScript to the browser. This requirement is explained in [The MQTT messaging client for JavaScript and web apps](#). You use the **webcontentpath** property to specify the directory from which the web app executable files are served:

- By default, **webcontentpath** is not present in the MQXR properties file. If **webcontentpath** is not present, the MQ telemetry server serves the web app executable files from the following default location: `mqinstall/qmgrs/qmgr_name/mqxr/WebContent/your_client_app`
- if **webcontentpath** specifies a path, the MQ telemetry server serves the web app executable files from that location.
- if **webcontentpath** is present and blank, the MQ telemetry server does not serve the web app executable files.

Related concepts

[Telemetry \(MQXR\) service](#)

Security reference

Use the reference information in this section to help you configure security for IBM WebSphere MQ.

The API exit

An *API exit* is a program module that monitors or modifies the function of MQI calls. An API exit comprises multiple *API exit functions*, each with its own entry point in the module.

Note: The information in this section does not apply to WebSphere MQ for z/OS®.

There are two categories of exit function:

An exit function that is associated with an MQI call

There are two exit functions in this category for each MQI call and an additional one for an MQGET call with the MQGMO_CONVERT option. The MQCONN and MQCONNX calls share the same exit functions.

For each MQI call, one of the two exit functions is invoked before the queue manager starts to process the call and the other is invoked after the queue manager has completed processing the call. The exit function for an MQGET call with the MQGMO_CONVERT option is invoked during the MQGET call, after

the message has been retrieved from the queue by the queue manager but before any data conversion takes place. This allows, for example, a message to be decrypted before data conversion.

An exit function can inspect and modify any of the parameters on an MQI call. On an MQPUT call, for example, an exit function that is invoked before the processing of the call has started can:

- Inspect and modify the contents of the application data in the message being put
- Change the length of the application data in the message
- Modify the contents of the fields in the message descriptor structure, MQMD
- Modify the contents of the fields in the put message options structure, MQPMO

An exit function that is invoked before the processing of an MQI call has started can suppress the call completely. The exit function for an MQGET call with the MQGMO_CONVERT option can suppress data conversion of the message being retrieved.

Initialization and termination exit functions

There are two exit functions in this category, the initialization exit function and the termination exit function.

The initialization exit function is invoked by the queue manager when an application connects to the queue manager. Its primary purpose is to register exit functions and their entry points with the queue manager and perform any initialization processing. You do not have to register all the exit functions, only those that are required for this connection. When the application disconnects from the queue manager, the registrations are removed automatically.

The initialization exit function can also be used to acquire any storage required by the exit and examine the values of any environment variables.

The termination exit function is invoked by the queue manager when an application disconnects from the queue manager. Its purpose is to release any storage used by the exit and perform any required cleanup operations.

An API exit can issue calls to the MQI but, if it does, the API exit is not invoked recursively a second time. The following exit functions, however, are not able to issue MQI calls because the correct environment is not present at the time the exit functions are invoked:

- The initialization exit function
- The exit function for an MQCONN and MQCONNX call that is invoked *before* the queue manager starts to process the call
- The exit function for the MQDISC call that is invoked *after* the queue manager has completed processing the call
- The termination exit function

An API exit can also use other APIs that might be available; for example, it can issue calls to DB2®.

An API exit can be used with a WebSphere MQ client application, but it is important to note that the exit is invoked at the *server* end of an MQI channel. For more information, see [Comparing link level security and application level security](#).

An API exit is written using the C programming language.

To enable an API exit, you must configure it. On IBM i, Windows, UNIX and Linux® systems, you do this by editing the WebSphere MQ configuration file, mq.ini, and the queue manager configuration file, qm.ini, for each queue manager.

For a client, modify the ApiExitLocal stanza in the mqclient.ini file to identify API exit routines for a queue manager.

You configure an API exit by providing the following information:

- The descriptive name of the API exit.
- The name of the module and its location; for example, the full path name.

- The name of the entry point for the initialization exit function.
- The sequence in which the API exit is invoked relative to other API exits. You can configure more than one API exit for a queue manager.
- Optionally, any data to be passed to the API exit.

For more information about how to configure an API exit, see [Configuring API exits](#).

For information about how to write an API exit, see [Using and writing API exits](#).

The API-crossing exit

An *API-crossing exit* is a program that monitors or modifies the function of MQI calls issued by CICS® applications on z/OS.

Note: The information in this section applies only to CICS applications on z/OS.

The API-crossing exit program is invoked by the CICS adapter and runs in the CICS address space.

The API-crossing exit is invoked for the following MQI calls only:

MQBUFMH
 MQCB
 MQCB_FUNCTION
 MQCLOSE
 MQCRTMH
 MQCTL
 MQDLTMH
 MQGET
 MQINQ
 MQOPEN
 MQPUT
 MQPUT1
 MQSET
 MQSTAT
 MQSUB
 MQSUBRQ

For each MQI call, it is invoked once before the processing of the call has started and once after the processing of the call has been completed.

The exit program can determine the name of an MQI call and can inspect and modify any of the parameters on the call. If it is invoked before an MQI call is processed, it can suppress the call completely.

The exit program can use any of the APIs that a CICS task-related user exit can use; for example, the IMS, DB2, and CICS APIs. It can also use any of the MQI calls except MQCONN, MQCONNX, and MQDISC. However, any MQI calls issued by the exit program do not invoke the exit program a second time.

You can write an API-crossing exit in any programming language supported by WebSphere MQ for z/OS.

Before an API-crossing exit can be used, the exit program load module must be available when the CICS adapter connects to a queue manager. The load module is a CICS program that must be named CSQCAPX and reside in a library in the DFHRPL concatenation sequence. CSQCAPX must be defined in the CICS system definition file (CSD), and the program must be enabled.

An API-crossing exit can be managed using the CICS adapter control panels, CKQC. When CSQCAPX is loaded, a confirmation message is written to the adapter control panels or to the system console. The adapter control panels can also be used to enable or disable the exit program.

For more information about how to write and implement an API-crossing exit, see 'The CICS-WebSphere MQ Adapter' section in the CICS Transaction Server for z/OS Version 4.1 product documentation at: [CICS Transaction Server for z/OS Version 4.1, The CICS-WebSphere MQ adapter](#).

Certificate validation and trust policy design on UNIX, Linux and Windows systems

WebSphere MQ validates SSL or TLS certificates according to two types of policy, basic, and standard. Standard policy checking conforms to RFC 5280.

The information in these topics applies to the following systems:

- WebSphere MQ for UNIX and Linux systems
- WebSphere MQ for Windows systems

The following terms are used in this section:

Certificate policy

Determines which fields in a certificate are understood and processed.

OCSP policy

Determines which fields in an OCSP request or response are understood and processed.

CRL policy

Determines which fields in a certificate revocation list are understood and processed.

Path validation policy

Determines how the certificate, OCSP, and CRL policy types interact with each other to determine whether a certificate chain (a trust point "RootCA" to an end-entry "EE") is valid.

The basic and standard path validation policies are described separately because it reflects the implementation within WebSphere MQ for UNIX, Linux and Windows systems. However, the standard OCSP and CRL policies are the same as the basic policies, and the standard certificate policy is an extended version of the basic policy, so these policies are not described separately.

By default, WebSphere MQ applies basic policy validation first. If basic policy validation fails, WebSphere MQ applies standard policy (RFC 5280) validation. If basic policy validation succeeds, standard policy validation is not applied. Thus, a validation failure means that both basic and standard policy validation failed, possibly for different reasons. A validation success means that either basic policy validation succeeded and standard policy validation was therefore not applied, or basic policy validation failed and standard policy validation succeeded.

Enforcing strict RFC 5280 compliance

To enforce strict RFC 5280 compliance, use the certificate validation policy configuration setting. This setting allows you to disable the basic policy, so that only the standard RFC 5280 policy is used. For more information about the certificate validation policy configuration setting, see [Certificate validation policies in WebSphere MQ](#).

The following examples are digital certificates which are accepted by the basic certificate validation policy, but which are rejected by the RFC 5280 compliant standard policy. In order for a digital certificate chain to be trusted, the entire chain must satisfy the configured validation policy.

To view the full details of a digital certificate, use the **runmqakm** command:

```
runmqakm -cert -details -db key.kdb -pw password -label certificate_label
```

A certificate which has trust status enabled in the **runmqakm** output is not necessarily trusted for use in an SSL or TLS handshake. Trust status enabled means that the certificate is eligible to be used as a CA certificate to verify other certificates, if the certificate also satisfies the rules of the certificate validation policy. For more information about the RFC 5280 compliant standard certificate validation policy, see [“Standard path validation policy” on page 35](#).

Example certificate 1 - incorrect key usage

This example shows a certificate where the key usage field does not comply with the standard certificate validation policy rules for a CA certificate. One of the requirements for a certificate to be valid for use as a CA certificate is that the key usage field must indicate that it is permitted to sign

other certificates using the keyCertSign flag. A certificate without this flag cannot be used as a CA certificate.

```
Label : root
Key Size : 1024
Version : X509 V3
Serial : 54cb6f740c7ee410
Issuer : CN=Example Root CA,O=Example,C=GB
Subject : CN=Example Root CA,O=Example,C=GB
Not Before : 9 February 2012 17:19:00 GMT
Not After : 1 October 2019 18:19:00 GMT+01:00
Public Key
 30 81 9F 30 0D 06 09 2A 86 48 86 F7 0D 01 01 01
 05 00 03 81 8D 00 30 81 89 02 81 81 00 CC 44 D9
 25 6D 26 1C 9D B9 FF DE B8 AC 44 AB E3 64 80 44
 AF BE E0 00 93 53 92 33 F8 7E BD D7 71 ED 21 52
 24 75 DF D6 EE 3C 54 97 84 29 EA 93 4C 4A D1 19
 5D C1 A0 82 F5 74 E1 AD D9 87 10 D5 6A 2B 6F 90
 04 0F 7E 6E 85 6D 32 99 33 9C D9 BB 57 86 DE 68
 23 C9 F2 6D 53 E3 F5 FF D1 0B E7 23 19 3A F6 70
 6B C8 C7 EB DB 78 8E 8C 9E 55 58 66 B6 31 DB 40
 5F 6A 97 AB 12 D7 E2 3E 2E 79 EE 78 7B 02 03 01
 00 01
Public Key Type : RSA (1.2.840.113549.1.1.1)
Fingerprint : SHA1 :
 EE 68 D4 4F 73 4F F4 21 DE 1A 01 11 5E DE B1 B8
 DF 40 AA D8
Fingerprint : MD5 :
 50 B5 E9 B2 D7 35 05 6A DC 6D 4B 1E B2 F2 DF A4
Fingerprint : SHA256 :
 B4 D7 6E C4 47 26 24 C7 4F 41 C3 83 03 6F 5C C7
 07 11 61 E0 0E 36 59 1F 1C E6 69 39 2D 18 05 D2
Extensions
  basicConstraints
    ca = true
    pathLen = 1239876
    critical
  key usage: encipherOnly
Signature Algorithm : SHA256WithRSASignature (1.2.840.113549.1.1.11)
Value
 9D AE 54 A9 9D 68 01 68 15 B5 53 9F 96 C9 5B D1
 52 40 DB CB 33 AF FD B9 26 D5 90 3F 1E 0B FC A6
 D9 8C 04 90 EB AA FD A8 7A 3C AB 60 5F 20 4F 0D
 7B 73 41 27 6A 2B BF 8C 99 91 B6 49 96 82 6A 24
 0A E8 B9 A5 AF 69 3D 2C A3 3C C8 12 39 FB 56 58
 4E 2A FE AC AC 10 89 53 B1 8F 0F C0 50 BF 5E 00
 91 64 B4 A1 4C 9A 4E D5 1F 38 7C AD 32 A9 8A E1
 91 16 2C 6D 1E 4A CA 99 8D CC 22 CD BF 90 49 FC
Trust Status : Enabled
```

In this example, the key usage field contains only the encipherOnly flag. The keyCertSign flag is not set, so this certificate is not permitted to sign other certificates. It therefore cannot be used as a CA certificate.

Example certificate 2 - missing basic constraints extension

This example shows a certificate which lacks the basic constraints extension. The basic constraints extension is used to indicate whether this certificate is permitted for use as a CA. It is also used to indicate the maximum length of any certificate chain which can be signed by the certificate. The standard certificate validation policy requires that the certificate has a basic constraints extension with the isCA flag set in order to be used as a CA.

```
Label : root
Key Size : 1024
Version : X509 V3
Serial : 1c7dfea316570bf6
Issuer : CN=Second Example Root CA,O=Example,C=GB
Subject : CN=Second Example Root CA,O=Example,C=GB
Not Before : 9 February 2012 17:18:22 GMT
Not After : 1 October 2019 18:18:22 GMT+01:00
Public Key
 30 81 9F 30 0D 06 09 2A 86 48 86 F7 0D 01 01 01
 05 00 03 81 8D 00 30 81 89 02 81 81 00 B2 70 49
 7C AE 1B A7 B3 06 49 6C 99 19 BC A8 77 BE 86 33
 21 6B C9 26 CC A6 28 52 9F 7B CF 03 A4 37 A7 4D
 6B 06 AA ED 7D 58 E3 70 F3 F7 C1 06 DA E8 27 C6
 3D 1B AC FA EF AA 59 7A 9A AB C1 14 4E AF 13 14
 4B 71 CA 8D FE C3 F5 2F E8 AC AD EF 21 80 6D 12
```

```

89 4A 2A 84 AA 9D E0 4F C1 93 B1 3E 16 E8 3C 75
39 2A 74 1E 90 CC B1 C3 2B 1D 55 26 76 D2 65 C1
06 47 2A BF 79 96 42 76 A9 6E 65 88 5F 02 03 01
00 01
Public Key Type : RSA (1.2.840.113549.1.1.1)
Fingerprint : SHA1 :
33 9F A1 81 43 F1 43 95 48 A5 66 B4 CD 98 E8 15
9C B3 CA 90
Fingerprint : MD5 :
91 EA D9 C0 2C 05 5B E2 CD 0B F6 DD 8A 11 44 23
Fingerprint : SHA256 :
62 46 35 0B 0E A1 A7 2A D5 74 70 0F AA 47 9A 9C
6B 80 1B F1 0B 4C 81 05 85 0E 91 11 A4 21 D2 34
Extensions
key usage: digitalSignature, keyCertSign
Signature Algorithm : SHA256WithRSASignature (1.2.840.113549.1.1.11)
Value
79 34 BA 5B 6F DC 06 A3 99 24 4E 8A 2B 27 05 47
0D 4D BE 6A 77 D1 1D 5F 54 82 9D CC F6 92 D4 9A
AB 4D B6 DD 6E AD 86 C3 6A A3 32 E3 B3 ED E0 62
4A EB 51 08 AC BE 49 9E 9C D7 FE AE C8 9D 17 16
68 31 6B F4 BA 74 1E 4F 5F 05 48 9F E7 46 BA DC
17 7A 60 88 F8 5B DB 3C 51 D4 98 97 28 82 CF 36
47 DA D2 0F 47 FF 70 EA 45 3A 49 66 E6 E2 F9 67
2C C8 3E 24 A2 3B EC 76 1F D6 31 2B BD A9 B5 08
Trust Status : Enabled

```

In this example, the certificate lacks the basic constraints field entirely. Therefore this certificate cannot be used as a CA certificate.

Example certificate 3 - intermediate CA with old version of X.509

This example shows an intermediate CA certificate which is at X.509 version 1. The standard certificate validation policy requires that all intermediate CA certificates must be at least X.509 version 3. Root CA certificates are exempt from this requirement as there are still some commonly used version 1 root CA certificates in existence. However, this exemption might change in future.

```

Label : intermediate
Key Size : 1024
Version : X509 V1
Serial : 02
Issuer : CN=Test Root CA,O=Example,C=GB
Subject : CN=Test Intermediate CA,O=Example,C=GB
Not Before : 10 February 2012 17:33:45 GMT
Not After : 11 April 2018 18:33:45 GMT+01:00
Public Key
30 81 9F 30 0D 06 09 2A 86 48 86 F7 0D 01 01 01
05 00 03 81 8D 00 30 81 89 02 81 81 00 C0 07 C2
D0 9F 84 DB 7C 20 8F 51 F9 C2 1A 3F CF E2 D7 F2
F1 56 F2 A4 8F 8F 06 B7 3B 01 31 DE 7C CC 03 63
AA D3 2F 1C 50 15 E3 56 80 40 7D FF 75 87 D3 F3
00 89 9A 26 F5 57 05 FA 4F ED 3B DD 93 FA F2 DF
38 26 D4 3A 92 51 CC F3 70 27 42 7A 9F AD 51 45
67 B7 AE 11 AD 4F 2D AB D2 CF 73 E6 F0 45 92 F0
47 16 66 7E 01 C7 76 A3 7B EC D2 76 3F E5 15 EC
D7 72 2C FE 14 F5 78 83 AA C4 20 AB F7 02 03 01
00 01
Public Key Type : RSA (1.2.840.113549.1.1.1)
Fingerprint : SHA1 :
DE BB 75 4B 14 E1 44 B9 B6 44 33 97 49 D0 82 6D
81 F2 2F DE
Fingerprint : MD5 :
72 49 44 42 E2 E6 89 F1 CC 37 C9 F6 B5 8F F3 AE
Fingerprint : SHA256 :
83 A4 52 AF 49 34 F1 DC 49 E6 95 AE 93 67 80 13
C2 64 D9 26 22 A0 E8 0A 5A A9 71 EC E8 33 E1 D1
Signature Algorithm : SHA256WithRSASignature (1.2.840.113549.1.1.11)
Value
40 4A 09 94 A0 18 07 5E 96 D7 A6 52 6B 8D 20 50
E8 91 F7 7E EA 76 B4 08 DF 76 66 1F FA FF 91 79
2E E0 66 8B 9F 40 FA 14 13 79 81 DB 31 A5 55 1D
44 67 41 F4 EA 1A F7 83 4F 21 F4 43 78 4E F8 5E
6F B2 B8 3A F7 6B B4 F5 C6 F8 EB 4C BF 62 6F 3E
C7 20 EC 53 B3 40 51 36 C1 0A 4E 73 ED 74 D1 93
02 C5 FB 61 F7 87 64 A5 94 06 7D 25 7C E3 73 DD
08 D4 07 D0 A4 3F 77 88 12 59 DB A4 DB 68 8F C1
Trust Status : Enabled

```

In this example, the version field is X.509 V1. This certificate is an X.509 version 1 certificate and therefore cannot be used as an intermediate CA.

Basic and standard certificate policies

The basic and standard certificate policies support the same fields: the standard policy supports additional certificate extensions.

The supported fields for both the basic and standard policies are as follows:

- OuterSigAlgID²
- Signature³
- Version
- SerialNumber
- InnerSigAlgID⁴
- Issuer
- Validity
- SubjectName
- SubjectPublicKeyInfo
- IssuerUniqueID
- SubjectUniqueID

The supported extensions for the basic policy are as follows. Where an entry is marked as "not supported", WebSphere MQ does not attempt to process extensions containing a field of that specific type, but does process other types of the same extension.

- AuthorityKeyID
- AuthorityInfoAccess
- SubjectKeyID
- IssuerAltName
- SubjectAltName
- KeyUsage
- BasicConstraints
- PrivateKeyUsage
- CRLDistributionPoints
 - DistributionPoint
 - DistributionPointName (X.500 Name and LDAP Format URI only)
 - NameRelativeToCRLIssuer (not supported)
 - Reasons (ignored)
 - CRLIssuer fields (not supported)

The supported extensions for the standard policy are all those listed for the basic policy and those in the following list. Where an entry is marked as "not supported", WebSphere MQ does not attempt to process extensions containing a field of that specific type, but does process other types of the same extension.

- NameConstraints
- ExtendedKeyUsage
- CertificatePolicies

² This field is called *signatureAlgorithm* in RFC 5280.

³ This field is called *signatureValue* in RFC 5280.

⁴ This field is called *signature* in RFC 5280.

- PolicyInformation
 - PolicyIdentifier
 - PolicyQualifiers (not supported)
- PolicyMappings
- PolicyConstraints

Basic and standard OCSP policies

The basic and standard OCSP policies support the same fields.

The supported fields for a request are as follows. Where an entry is marked as "not supported", WebSphere MQ does not attempt to process a request containing a field of that specific type, but does process other requests containing the same higher-level field.

- Signature (Optional)
- Version (Version 1 Only)
- RequesterName (Optional)
- RequestList (single request only)
 - CertID ⁵
 - singleRequestExtensions (not supported)
- RequestExtensions
 - Nonce (if enabled)

The supported fields for a response are as follows:

- ResponseStatus
- Response
 - responseType (id-pkix-ocsp-basic)
 - BasicOCSPResponse
 - Signature
 - Certs
 - Extensions
 - extendedKeyUsage
 - id-kp-OCSPSigning
 - id-pkix-ocsp-nocheck
 - ResponseData
 - Version (Version 1 Only)
 - ResponderID (by name or by hash)
 - ProducedAt (ignored)
 - Responses (multiple responses supported)
 - SingleResponse
 - certID
 - certStatus
 - RevokedInfo (ignored)
 - thisUpdate (ignored)
 - nextUpdate

⁵ This field is called reqCert in RFC 2560

- singleExtensions (ignored)
- responseExtensions
 - Nonce (if enabled)

Basic and standard CRL policies

The basic and standard CRL policies support the same fields and extensions.

The supported fields for these policies are as follows:

- OuterSigAlgID⁶
- Signature⁷
- Version
- InnerSigAlgID⁸
- Issuer
- ThisUpdate
- NextUpdate
- RevokedCertificate
 - UserCertificate
 - RevocationDate

There are no supported CRLEntry extensions.

The supported CRL extensions for these policies are as follows. Where an entry is marked as "not supported", WebSphere MQ does not attempt to process extensions containing a field of that specific type, but does process other types of the same extension.

- AuthorityKeyID
- IssuerAltName
- CRLNumber
- IssuingDistributionPoint
 - DistributionPoint
 - DistributionPointName
 - FullName (X.500 Name and LDAP Format URI only)
 - NameRelativeToCRLIssuer (not supported)
 - Reasons (ignored)
 - CRLIssuer
 - OnlyContainsUserCerts (not supported)
 - OnlyContainsCACerts (not supported)
 - OnlySomeReasons (not supported)
 - IndirectCRL⁹ (rejected)

⁶ This field is called *signatureAlgorithm* in RFC 5280.

⁷ This field is called *signatureValue* in RFC 5280.

⁸ This field is called *signature* in RFC 5280.

⁹ IndirectCRL extensions will result in CRL validation failing. IndirectCRL extensions must not be used because they cause identified certificates to not be rejected.

Basic path validation policy

The basic path validation policy determines how the certificate, OCSP, and CRL policy types interact with each other to determine if a certificate chain is valid.

The validation of a chain is performed in the following manner (but not necessarily in the following order):

1. Ensure that the name of the certificate's issuer is equal to the subject name in the previous certificate, and that there is not an empty issuer name in this certificate or the previous certificate subject name. If no previous certificate exists in the path and this is the first certificate in the chain, ensure that the issuer and subject name are identical and that the trust status is set for the certificate¹⁰.

Note: WebSphere MQ for UNIX, Linux and Windows systems will fail path validation in situations where the previous certificate in a path has the same subject name as the current certificate.

2. Ensure that the signature algorithm used to actually sign the certificate matches the signature algorithm indicated within the certificate, by ensuring that the issuer signature algorithm identifier in the certificate matches the algorithm identifier in the signature data.
3. Ensure that the certificate was signed by the issuer, using the subject public key from the previous certificate in the path to verify the signature on the certificate. If no previous certificate exists and this is the first certificate, use the subject public key of the certificate to verify the signature on it. WebSphere MQ supports DSA and RSA signature algorithms; however it does not support DSA Parameter Inheritance.
4. Ensure that the certificate is a known X509 version, unique IDs are not present for version 1 certificates, and extensions are not present for version 1 and version 2 certificates.
5. Ensure that the certificate has not expired, or not been activated yet, and that its validity period is good¹¹.
6. Ensure that there are no unknown critical extensions or any duplicate extensions.
7. Ensure that the certificate has not been revoked. Here, the following operations apply:
 - a. If the OCSP connection is enabled and a Responder Address is configured or the Certificate has a valid AuthorityInfoAccess extension specifying a HTTP format GENERALNAME_uniformResourceID check revocation status with OCSP.
 - b. If revocation status from "7.a" on page 32 above is undetermined the CRLDistributionPoints extension is checked for a list of X.500 distinguished name GENERALNAME_directoryname and URI GENERALNAME_uniformResourceID. Only LDAP, HTTP and FILE format URIs are supported. If the extension is not present, or use of the CRLDistributionPoints extension results in undetermined status and the extension is not Critical, the certificate's issuer's name is used to query revocation status. A CRL database (LDAP) is then queried for CRLs. If the certificate is not the last certificate, or if the last certificate has the basic constraint extension with the "isCA" flag turned on, the database is queried for ARLs and CRLs instead. If CRL checking is enabled, and no CRL database can be queried, the certificate is treated as revoked. Currently, the X500 directory name form and the LDAP/HTTP/FILE URI forms are the only supported name forms used to look up CRLs and ARLs¹².

Note: RelativeDistinguishedNames are not supported.

¹⁰ Trust status is an administrative setting in the key database file. You can access and alter the trust status of a particular signer certificate in iKeyman. Select the required certificate from the signer list and click **View/Edit...** The **Set the certificate as a trusted root** check box on the resulting panel indicates the trust status. You can also set Trust status using iKeycmd with the `-trust` flag on the `-cert -modify` command. For further information about this command, see [Managing keys and certificates](#).

¹¹ There are no checks to ensure the subject's validity is within bounds of the issuer's validity. This is not required, and it has been shown that certificates from some CAs do not pass such a check.

¹² After they are retrieved from the database, ARLs are evaluated in exactly the same fashion as CRLs. Many CAs do not issue ARLs. However, WebSphere MQ will look for ARLs and CRLs if checking a CA certificate for revocation status.

- c. If revocation status from both “7.a” on page 32 and “7.b” on page 32 is undetermined, WebSphere MQ checks the *OCSPAuthentication* configuration setting to decide whether to allow the connection.¹³
8. If the issuerAltName extension is marked critical, ensure that the name forms are recognized. The following general name forms are currently recognized:
 - rfc822
 - DNS
 - directory
 - URI
 - IPAddress(v4/v6)
 9. If the subjectAltName extension is marked critical, ensure that the name forms are recognized. The following general name forms are currently recognized:
 - rfc822
 - DNS
 - directory
 - URI
 - IPAddress(v4/v6)
 10. If the KeyUsage extension is critical on a non-EE certificate, ensure that the keyCertSign flag is on, and ensure that if the BasicConstraints extension is present, the "isCA" flag is true.
 11. If the BasicConstraints extension is present, the following checks are made:
 - If the "isCA" flag is false, ensure the certificate is the last certificate in the chain and that the pathLength field is not present.
 - If the "isCA" flag is true and the certificate is NOT the last certificate in the chain, ensure that the number of certificates until the last certificate in the chain is not greater than the pathLength field.
 12. The AuthorityKeyID extension is not used for path validation, but is used when building the certificate chain.
 13. The SubjectKeyID extension is not used for path validation, but is used when building the certificate chain.
 14. The PrivateKeyUsagePeriod extension is ignored by the validation engine, because it cannot determine when the CA actually signed the certificate. The extension is always non-critical and therefore can be safely ignored.

An OCSP Response is also validated to ensure that the response itself is valid. Validation is performed in the following manner (but not necessarily the following order):

1. Ensure that response status is `Successful` and the response type is `PKIX_AD_OCSP_basic.r`
2. Ensure that response version data is present and the response is the correct version (Version 1)
3. Ensure that the response is correctly signed. The signature will be rejected if the signer does not meet at least one of the following criteria:
 - The signer matches a local configuration of OCSP signing authority¹⁴ for the certificate.
 - The signer is using the CA key for which the public key is contained in the CA certificate, that is, the CA itself is directly signing the response.
 - The signer is a direct sub-ordinate of the CA that signed the certificate for which revocation information is being checked and is authorized by the CA by including the value of `id-ad-ocspSigning` in an `ExtendedKeyUsage` extension.

¹³ If *OCSPAuthentication* is set to `WARN`, WebSphere MQ logs the unknown revocation status and allows the connection to continue.

¹⁴ This is a Certificate in the KeyStore a user has installed and that has Trust Status set.

Note: Revocation checking of the response signer certificate is not performed if the id-pkix-ocsp-nocheck extension is present.

4. Ensure that response hash algorithm, serialNumber, issuerNameHash, and issuerKeyHash match those of the request.
5. Ensure that the response has not expired, that is, that the nextUpdate time is greater than the current time.¹⁵
6. Ensure that the certificate has valid revocation status.

The validation of a CRL is also performed to ensure that the CRL itself is valid, and is performed in the following manner (but not necessarily the following order):

1. Ensure that the signature algorithm used to actually sign the CRL matches the signature algorithm indicated within the CRL, by ensuring that the issuer signature algorithm identifier in the CRL matches the algorithm identifier in the signature data.
2. Ensure that the CRL was signed by the issuer of certificate in question, verifying that the CRL has been signed with the key of the certificate issuer.
3. Ensure that the CRL has not expired¹⁶, or not been activated yet, and that its validity period is good.
4. Ensure that if the version field is present, it is version 2. Otherwise the CRL is version 1 and must not have any extensions. However, WebSphere MQ for UNIX, Linux and Windows systems only verifies that no critical extensions are present for a version 1 CRL.
5. Ensure that the certificate in question is on the revokedCertificates field list and that the revocation date is not in the future.
6. Ensure that there are no duplicate extensions.
7. If unknown critical extensions, including critical entry extensions, are detected in the CRL, this causes identified certificates to be treated as revoked¹⁷ (provided the CRL passes all other checks).
8. If the authorityKeyID extension in the CRL and the subjectKeyID in the CA certificate are present and if the keyIdentifier field is present within the authorityKeyID of the CRL, match it with the CACertificate's subjectKeyID.
9. If the issuerAltName extension is marked critical, ensure that the name forms are recognized. The following general name forms are currently recognized:
 - rfc822
 - DNS
 - directory

¹⁵ If no current OCSP responses are returned from the responder, WebSphere MQ will attempt to use out of date responses in determining the revocation status of a Certificate. WebSphere MQ attempts to use out of date Responses so that security will not be adversely reduced.

¹⁶ If no current CRLs are found, WebSphere MQ for UNIX, Linux and Windows systems will attempt to use out of date CRLs to determine the revocation status of a Certificate. It is not clearly specified in RFC 5280 what action to take in the event of no current CRLs. WebSphere MQ for UNIX, Linux and Windows systems attempt to use out of date CRLs so that security will not be adversely reduced.

¹⁷ ITU X.509 and RFC 5280 are in conflict in this case because the RFC mandates that CRLs with unknown critical extensions must fail validation. However, ITU X.509 requires that identified certificates must still be treated as revoked provided the CRL passes all other checks. WebSphere MQ for UNIX, Linux and Windows systems adopt the ITU X.509 guidance so that security will not be adversely reduced.

A potential scenario exists where the CA that issues a CRL might set an unknown critical extension to indicate that even though all other validation checks are successful, a certificate which is identified must not be considered revoked and thus not rejected by the application. In this scenario, following X.509, WebSphere MQ for UNIX, Linux and Windows systems will function in a fail-secure mode of operation. That is, they might reject certificates that the CA did not intend to be rejected and therefore might deny service to some valid users. A fail-insecure mode ignores a CRL because it has an unknown critical extension and therefore certificates that the CA intended to be revoked are still accepted. The administrator of the system should then query this behavior with the issuing CA.

- URI
- IPAddress(v4/v6)

10. If the issuingDistributionPoint extension is present in the CRL, process as follows:

- If the issuingDistributionPoint specifies an InDirectCRL then fail the CRL validation.
- If the issuingDistributionPoint indicates that a CRLDistributionPoint is present but no DistributionPointName is found, fail the CRL validation
- If the issuingDistributionPoint indicates that a CRLDistributionPoint is present and specifies a DistributionPointName ensure that it is a GeneralName or LDAP format URI that matches the name given by the certificate's CRLDistributionPoint or the certificate's issuer's name. If the DistributionPointName is not a GeneralName then the CRL validation will fail.

Note: RelativeDistinguishedNames are not supported and will fail CRL validation if encountered.

Standard path validation policy

The standard path validation policy determines how the certificate, OCSP, and CRL policy types interact with each other to determine if a certificate chain is valid. Standard policy checking conforms to RFC 5280.

Path validation uses the following concepts:

- A certification path of length n , where the trust point or root certificate is certificate 1, and the EE is n .
- A set of initial policy identifiers (each comprising a sequence of policy element identifiers), that identifies one or more certificate policies, any one of which is acceptable for the purposes of certification path processing, or the special value "any-policy". Currently this is always set to "any-policy".

Note: WebSphere MQ for UNIX, Linux and Windows systems only supports policy identifiers that are created by WebSphere MQ for UNIX, Linux and Windows systems.

- Acceptable policy set: a set of certificate policy identifiers comprising the policy or policies recognized by the public key user, together with policies deemed equivalent through policy mapping. The initial value of the acceptable policy set is the special value "any-policy".
- Constrained subtrees: a set of root names defining a set of subtrees within which all subject names in subsequent certificates in the certification path can fall. The initial value is "unbounded".
- Excluded subtrees: a set of root names defining a set of subtrees within which no subject name in subsequent certificates in the certification path can fall. The initial value is "empty".
- Explicit policy: an integer which indicates if an explicit policy identifier is required. The integer indicates the first certificate in the path where this requirement is imposed. When set, this variable can be decreased, but cannot be increased. (That is, if a certificate in the path requires explicit policy identifiers, a later certificate cannot remove this requirement.) The initial value is $n+1$.
- Policy mapping: an integer which indicates if policy mapping is permitted. The integer indicates the last certificate on which policy mapping may be applied. When set, this variable can be decreased, but cannot be increased. (That is, if a certificate in the path specifies policy mapping is not permitted, it cannot be overridden by a later certificate.) The initial value is $n+1$.

The validation of a chain is performed in the following manner (but not necessarily the following order):

1. The information in the following paragraph is consistent with the basic path validation policy described in [“Basic path validation policy” on page 32](#):

Ensure that the name of the certificate's issuer is equal to the subject name in the previous certificate, and that there is not an empty issuer name in this certificate or the previous certificate subject name. If no previous certificate exists in the path and this is the first certificate in the chain, ensure that the issuer and subject name are identical and that the trust status is set for the certificate¹⁸.

If the certificate does not have a subject name, the subjectAltName extension must be present and critical.

2. The information in the following paragraph is consistent with the basic path validation policy described in [“Basic path validation policy” on page 32](#):

Ensure that the signature algorithm used to actually sign the certificate matches the signature algorithm indicated within the certificate, by ensuring that the issuer signature algorithm identifier in the certificate matches the algorithm identifier in the signature data.

If both the certificate's issuerUniqueID and the issuer's subjectUniqueID are present, ensure they match.

3. The following information is consistent with the basic path validation policy described in [“Basic path validation policy” on page 32](#):

Ensure that the certificate was signed by the issuer, using the subject public key from the previous certificate in the path to verify the signature on the certificate. If no previous certificate exists and this is the first certificate, use the subject public key of the certificate to verify the signature on it.

4. The following information is consistent with the basic path validation policy described in [“Basic path validation policy” on page 32](#):

Ensure that the certificate is a known X509 version, unique IDs are not present for version 1 certificates and extensions are not present for version 1 and version 2 certificates.

5. The following information is consistent with the basic path validation policy described in [“Basic path validation policy” on page 32](#):

Ensure that the certificate has not expired, or not been activated yet, and that its validity period is good¹⁹

6. The following information is consistent with the basic path validation policy described in [“Basic path validation policy” on page 32](#):

Ensure that there are no unknown critical extensions, nor any duplicate extensions.

7. The following information is consistent with the basic path validation policy described in [“Basic path validation policy” on page 32](#):

Ensure that the certificate has not been revoked. Here, the following operations apply:

- a. If the OCSP connection is enabled and a Responder Address is configured or the Certificate has a valid AuthorityInfoAccess extension specifying an HTTP format GENERALNAME_uniformResourceID check revocation status with OCSP.
 - i) WebSphere MQ for UNIX and Windows systems allows the OCSP Request to be optionally signed for preconfigured responders but this has otherwise no impact on OCSP Response processing.
- b. If revocation status from 7a is undetermined the CRLDistributionPoints extension is checked for a list of X.500 distinguished name GENERALNAME_directoryname and URI GENERALNAME_uniformResourceID. If the extension is not present, the certificate's issuer's name is used. A CRL database (LDAP) is then queried for CRLs. If the certificate is not the last certificate, or if the last certificate has the basic constraint extension with the "isCA" flag turned on, the database is queried for ARL's and CRL's instead. If CRL checking is enabled, and no CRL database can be queried, the certificate is treated as revoked. Currently, the X500 directory name form and the LDAP/HTTP/FILE URI forms are the only supported name forms used to look up CRLs and ARLs¹⁵.

Note: RelativeDistinguishedNames are not supported.

¹⁸ Trust status is an administrative setting in the key database file. You can access and alter the trust status of a particular signer certificate in iKeyman. Select the required certificate from the signer list and click **View/Edit...** The **Set the certificate as a trusted root** check box on the resulting panel indicates the trust status. You can also set Trust status using iKeycmd with the `-trust` flag on the `-cert -modify` command. For further information about this command, see [Managing keys and certificates](#).

¹⁹ There are no checks to ensure the subject's validity is within bounds of the issuer's validity. This is not required, and certificates from some CAs have been shown to not pass such a check.

8. The following information is consistent with the basic path validation policy described in [“Basic path validation policy”](#) on page 32:

If the subjectAltName extension is marked critical, ensure that the name forms are recognized. The following general name forms are currently recognized:

- rfc822
 - DNS
 - directory
 - URI
 - IPAddress(v4/v6)
9. Ensure that the subject name and subjectAltName extension (critical or noncritical) is consistent with the constrained and excluded subtrees state variables.
10. If the EmailAddress OID is present in the subject name field as an IA5 string, and there is no subjectAltName extension, the EmailAddress must be consistent with the constrained and excluded subtrees state variable.
11. Ensure that policy information is consistent with the initial policy set :
- a. If the explicit policy state variable is less than or equal to the current certificate's numeric sequence value, a policy identifier in the certificate shall be in the initial policy set.
 - b. If the policy mapping variable is less than or equal to the current certificate's numeric sequence value, the policy identifier cannot be mapped.
12. Ensure that policy information is consistent with the acceptable policy set:
- a. If the certificate policies extension is marked critical²⁰, the intersection of the policies extension and the acceptable policy set is non-null.
 - b. The acceptable policy set is assigned the resulting intersection as its new value.
13. Ensure that the intersection of the acceptable policy set and the initial policy set is non-null. If the special Policy of anyPolicy is present then allow it only if it has not been inhibited by the inhibitAnyPolicy extension at this chain position.
14. If an inhibitAnyPolicy extension is present ensure that it is marked Critical and, if so, set the inhibitAnyPolicy state and chain position to the value of the integer value of the extension provided it is not greater than the current value. This is the number of certificates to allow with an anyPolicy Policy before disallowing the anyPolicy Policy.
15. The following steps are performed for all certificates except the last one:
- a. If the issuerAltName extension is marked critical, ensure that the name forms are recognized. The following general name forms are currently recognized:
 - rfc822
 - DNS
 - directory
 - URI
 - IPAddress(v4/v6)
 - b.
 - i) If the BasicConstraints extension is not present, the certificate is only valid as an EE certificate.
 - ii) If the BasicConstraints extension is present, ensure that the "isCA" flag is true. Note that "isCA" is always checked to ensure it is true to be as part of the chain building itself, however this specific test is still made. If the pathLength field is present, ensure the number of certificates until the last certificate is not greater than the pathLength field.
 - c. If the KeyUsage extension is critical, ensure that the keyCertSign flag is on, and ensure that if the BasicConstraints extension is present, that the "isCA" flag is true²¹.

²⁰ This is maintained as a legacy requirement from RFC2459 (6.1 (e)(1))

²¹ This check is in fact redundant because of step (b), but the check is still made.

- d. If a policy constraints extension is included in the certificate, modify the explicit policy and policy mapping state variables as follows:
 - i. If requireExplicitPolicy is present and has value r , the explicit policy state variable is set to the minimum of its current value and the sum of r and i (the current certificate in the sequence).
 - ii. If inhibitPolicyMapping is present and has value q , the policy mapping state variable is set to the minimum of its current value and the sum of q and i (the current certificate in the sequence).
 - e. If the policyMappings extension is present (see 12(b)), ensure that it is not critical, and if policy mapping is allowed, these mappings are used to map between this certificate's policies and its signee's policies.
 - f. If the nameConstraints extension is present, ensure that it is critical, and that the permitted and excluded subtrees adhere to the following rules before updating the chain's subtree's state in accordance with the algorithm described in RFC 5280 section 6.1.4 part (g):
 - i) The minimum field is set to zero.
 - ii) The maximum field is not present.
 - iii) The base field name forms are recognized. The following general name forms are currently recognized:
 - rfc822
 - DNS
 - directory
 - URI
 - IPAddress(v4/v6)
16. The ExtendedKeyUsage extension is not checked by WebSphere MQ.
17. The following information is consistent with the basic path validation policy described in [“Basic path validation policy”](#) on page 32:
- The AuthorityKeyID extension is not used for path validation, but is used when building the certificate chain.
18. The following information is consistent with the basic path validation policy described in [“Basic path validation policy”](#) on page 32:
- The SubjectKeyID extension is not used for path validation, but is used when building the certificate chain.
19. The following information is consistent with the basic path validation policy described in [“Basic path validation policy”](#) on page 32:
- The PrivateKeyUsagePeriod extension is ignored by the validation engine, because it cannot determine when the CA actually signed the certificate. The extension is always non-critical and therefore can be safely ignored.

Cryptographic hardware

On UNIX, Linux and Windows systems, WebSphere MQ provides support for a variety of cryptographic hardware using the PKCS #11 interface. On IBM i and z/OS, the operating system provides the cryptographic hardware support.

For a list of currently supported cryptography cards, see [Cryptography Card List for WebSphere MQ](#).

On all platforms, cryptographic hardware is used at the SSL handshaking stage and at secret key reset.

On IBM i, when you use DCM to create or renew certificates, you can choose to store the key directly in the coprocessor or to use the coprocessor master key to encrypt the private key and store it in a special keystore file.

On z/OS, when you use RACF® to create certificates, you can choose to store the key using ICSF (Integrated Cryptographic Service Facility) to obtain improved performance and more secure key storage.

During the SSL handshake, and secret key negotiations, a crypto express card, (if available) is used to do RSA operations. After the handshake completes and data begins to flow, data is decrypted in the CPACF and the crypto express card is not used.

On UNIX, Linux and Windows systems, WebSphere MQ support is also provided for SSL cryptographic hardware symmetric cipher operations. When using SSL cryptographic hardware symmetric cipher operations, data sent across an SSL or TLS connection is encrypted/decrypted by the cryptographic hardware product.

On the queue manager, this is switched on by setting the SSLCryptoHardware queue manager attribute appropriately (see [ALTER QMGR](#) and [Change Queue Manager](#)). On the Websphere MQ MQI client, equivalent variables are provided (see [SSL stanza of the client configuration file](#)). The default setting is off.

If this attribute is switched on, WebSphere MQ attempts to use symmetric cipher operations whether the cryptographic hardware product supports them for the encryption algorithm specified in the current CipherSpec or not. If the cryptographic hardware product does not provide this support, WebSphere MQ performs the encryption and decryption of data itself, and no error is reported. If the cryptographic hardware product supports symmetric cipher operations for the encryption algorithm specified in the current CipherSpec, this function is activated and the cryptographic hardware product performs the encryption and decryption of the data sent.

In a situation of low processor usage it is often quicker to perform the encryption/decryption in software, rather than copying the data onto the card, encrypting/decrypting it, and copying it back to the SSL protocol software. Hardware symmetric cipher operations become more useful when the processor usage is high.

On z/OS with cryptographic hardware, support is provided for symmetric cipher operations. This means that the user's data is encrypted and decrypted by the hardware if the hardware has this capability for the CipherSpec chosen, and is configured to support data encryption and decryption.

On IBM i, cryptographic hardware is not used for encryption and decryption of the user's data, even if the hardware has the capability of performing such encryption for the encryption algorithm specified in the current CipherSpec.

IBM WebSphere MQ Telemetry rules for SSLPEER values

The SSLPEER attribute is used to check the Distinguished Name (DN) of the certificate from the peer queue manager or client at the other end of an IBM WebSphere MQ channel. IBM WebSphere MQ uses certain rules when comparing these values

When SSLPEER values are compared with DN's, the rules for specifying and matching attribute values are as follows:

1. You can use either a comma or a semicolon as a separator.
2. Spaces before or after the separator are ignored. For example:

```
CN=John Smith, O=IBM ,OU=Test , C=GB
```

3. The values of attribute types SERIALNUMBER, MAIL, E, UID OR USERID, CN, T, OU, DC, O, STREET, L, ST, SP, S, PC, C, UNSTRUCTUREDNAME, UNSTRUCTUREDADDRESS, DNQ are text strings that typically include only the following:
 - Uppercase and lowercase alphabetic characters A through Z and a through z
 - Numeric characters 0 through 9
 - The space character
 - Characters , . ; ' " () / -

To avoid conversion problems between different platforms, do not use other characters in an attribute value. The attribute types, for example CN, must be in uppercase characters.

4. Strings containing the same alphabetic characters match irrespective of case.

5. Spaces are not allowed between the attribute type and the = character.
6. Optionally, you can enclose attribute values in double quotation marks, for example CN="John Smith". The quotation marks are discarded when matching values.
7. Spaces at either end of the string are ignored unless the string is enclosed in double quotation marks.
8. The comma and semicolon attribute separator characters are considered to be part of the string when enclosed in double quotation marks.
9. The names of attribute types, for example CN or OU, are considered to be part of the string when enclosed in double quotation marks.
10. Any of the attribute types ST, SP, and S can be used for the State or Province name.
11. Any attribute value can have an asterisk (*) as a pattern-matching character at the beginning, the end, or in both places. The asterisk character substitutes for any number of characters at the beginning or end of the string to be matched. This character enables your SSLPEER value specification to match a range of Distinguished Names. For example, OU=IBM* matches every Organizational Unit beginning with IBM, such as IBM Corporation.

The asterisk character can also be a valid character in a Distinguished Name. To obtain an exact match with an asterisk at the beginning or end of the string, the backslash escape character (\) must precede the asterisk: *. Asterisks in the middle of the string are considered to be part of the string and do not require the backslash escape character.

12. The DN can contain multiple OU attributes and multiple DC attributes.
13. When multiple OU attributes are specified, all must exist and be in descending hierarchical order. For an example, see [DEFINE CHANNEL](#).
14. A digital certificate Subject DN can additionally contain multiple attributes of the same type other than OU or DC, but only if the SSLPEER value does not filter on the repeated attribute type. For example, consider a certificate with the following Subject DN:

```
CN=First, CN=Second, O=IBM, C=US
```

An SSLPEER value of O=IBM, C=US does not filter on CN, so matches this certificate and allows the connection. An SSLPEER value of CN=First, O=IBM, C=US fails to match this certificate because the certificate contains multiple CN attributes. You cannot match multiple CN values.

Related concepts

[Distinguished Names](#)

[Channel authentication records](#)

Related tasks

[Mapping an SSL or TLS Distinguished Name to an MCAUSER user ID](#)

GSKit: Digital certificate signature algorithms compliant with FIPS 140-2

The list of digital certificate signature algorithms in GSKit that are compliant with FIPS 140-2

- RSA with SHA-1
- RSA with SHA-224
- RSA with SHA-256
- RSA with SHA-384
- RSA with SHA-512
- DSA with SHA-1
- ECDSA with SHA-1
- ECDSA with SHA-224
- ECDSA with SHA-256
- ECDSA with SHA-384
- ECDSA with SHA-512

- Curve P-192
- Curve P-224
- Curve P-256
- Curve P-384
- Curve P-521
- Curve K-163
- Curve K-233
- Curve K-283
- Curve K-409
- Curve K-571
- Curve B-163
- Curve B-233
- Curve B-283
- Curve B-409
- Curve B-571

Related concepts

[Digital certificates and CipherSpec compatibility in WebSphere MQ](#)

GSKit return codes used in IBM WebSphere MQ AMS messages

This topic describes the IBM Global Security Kit (GSKit) return codes that appear in some IBM WebSphere MQ AMS messages.

If you receive a numeric return code generated by GSKit, refer to the following table to determine the message code or the explanation.

<i>Table 1. GSKit error messages sorted by decimal return code</i>		
Decimal Return Code	Message Code	Explanation
0	GSS_S_MINOR_OK	OK. There is not an error.
0	GSS_S_MINOR_SUCCESS	OK. There is not an error
1	GSS_S_MINOR_MEMORY_ALLOCATION_FAILURE	A general purpose memory allocation failure has occurred.
1	GSS_S_MINOR_INSUFFICIENT_STORAGE	A general purpose memory allocation failure has occurred.
2	GSS_S_MINOR_NOT_MECHANISM_NAME	The name is not a mechanism name.
3	GSS_S_MINOR_INVALID_NAME	The provided name is invalid.
4	GSS_S_MINOR_GSK_ERROR	GSKit has returned an error.
5	GSS_S_MINOR_NO_MORE_NAME	There are no more names to parse from the name object.
6	GSS_S_MINOR_MEMBER_NOT_FOUND	An object was referenced from a set, but the requested object could not be found.

Table 1. GSKit error messages sorted by decimal return code (continued)

Decimal Return Code	Message Code	Explanation
7	GSS_S_MINOR_BAD_QUALITY_OF_PROTECTION_ALGORITHM	The Quality of Protection algorithm is bad.
8	GSS_S_MINOR_BAD_QUALITY_OF_SIGNING_ALGORITHM	The Quality of Signing algorithm is bad.
9	GSS_S_MINOR_BAD_DIGEST_ENCRYPTION_ALGORITHM	The digest encryption algorithm is bad.
10	GSS_S_MINOR_BAD_INPUT	One or more required input parameters is NULL.
11	GSS_S_MINOR_HANDLE_INVALID	The object handle is invalid.
12	GSS_S_MINOR_NO_PRIVKEY_IN_KEYRING	There is no entry with a private key in the database.
12	GSS_S_MINOR_NO_PRIVKEY_IN_DB	There is no entry with a private key in the database.
13	GSS_S_MINOR_BAD_KEYRING_TYPE	The database entry type is bad.
14	GSS_S_MINOR_KEYRING_ACCESS_EXCEPTION	An exception in accessing the database has occurred. Additional information: ensure all GSKit libraries can be accessed and are not corrupted. Additionally, on HP-UX, ensure the SHLIB_PATH is correctly enabled for the program.
15	GSS_S_MINOR_API_NOT_SUPPORTED	The Application Interface (API) is not supported.
16	GSS_S_MINOR_CREDENTIAL_STILL_EXISTS	The credential still exists.
17	GSS_S_MINOR_ENV_STILL_EXISTS	The environment still exists.
18	GSS_S_MINOR_EXPIRED_CREDENTIAL	The credential has expired.
19	GSS_S_MINOR_NO_SIGNER	No signer is available for the specified credential.
20	GSS_S_MINOR_PIDU_HAD_INVALID_CONTENT_TYPE	The protected independent data unit (PIDU) has an invalid content type.
21	GSS_S_MINOR_PIDU_HAD_INVALID_CONTENT_ENCRYPTION_ALGORITHM	The protected independent data unit (PIDU) has an invalid content encryption algorithm.
22	GSS_S_MINOR_BLOB_ALREADY_EXISTS	The blob already exists.
23	GSS_S_MINOR_INVALID_MECH	A mechanism-type object identifier is syntactically invalid.
24	GSS_S_MINOR_MECH_NOT_SUPPORTED	The indicated mechanism type is not supported in this implementation.
25	GSS_S_MINOR_STATIC_OID	There is an attempt to free an object identifier (OID) which is static and cannot be freed.

Table 1. GSSKit error messages sorted by decimal return code (continued)

Decimal Return Code	Message Code	Explanation
26	GSS_S_MINOR_PIDU_INVALID_SESSION_KEY	The protected independent data unit (PIDU) has a session key that cannot be used to decrypt the data.
27	GSS_S_MINOR_PIDU_RECIPIENT_INFO_INVALID	The protected independent data unit (PIDU) refers to a certificate that cannot be used to decrypt the session key.
28	GSS_S_MINOR_PIDU_HAS_UNSUPPORTED_DIGEST_ALGORITHM	The protected independent data unit (PIDU) has an unsupported digest algorithm.
29	GSS_S_MINOR_PIDU_HAS_UNSUPPORTED_DIGEST_ENCRYPTION	The protected independent data unit (PIDU) has an unsupported digest encryption algorithm.
30	GSS_S_MINOR_SIGNING_NOT_ALLOWED_BY_ENV	The environment is not set up to do a signing operation. Additional information: the key usage bits in the certificate might not allow the specified operation.
31	GSS_S_MINOR_ENCRYPTION_NOT_ALLOWED_BY_ENV	The environment is not set up to do an encryption operation. Additional information: the key usage bits in the certificate might not allow the specified operation.
32	GSS_S_MINOR_NO_VALID_TARGET_NAMES_IN_DATABASE	None of the specified names were found in the database.
33	GSS_S_MINOR_NO_VALID_SIGNERS	No signers could be validated while unprotecting a signed protected independent data unit (PIDU).
34	GSS_S_MINOR_MULTIPLE_SIGNERS	There are multiple signers in the signed protected independent data unit (PIDU); however, only the first one is being returned.
35	GSS_S_MINOR_BAD_SEQUENCE	The multi-buffer has been called out of order (For example, end_unprotect is called after start_protect).
36	GSS_S_MINOR_INVALID_NAMETYPE	The nametype argument provided is invalid.
37	GSS_S_MINOR_FAILURE	A general internal failure has occurred.
38	GSS_S_MINOR_BAD_OID	The object identifier provided is syntactically invalid.
39	GSS_S_MINOR_INVALID_CREDENTIAL	The credential is invalid.
40	GSS_S_MINOR_INVALID_ENVIRONMENT	The environment is invalid.

Table 1. GSKit error messages sorted by decimal return code (continued)

Decimal Return Code	Message Code	Explanation
41	GSS_S_MINOR_VERIFY_NOT_ALLOWED_BY_ENV	<p>The environment is not set up to verify the operation. The environment is not set up to verify the operation.</p> <p>Additional information: the key usage bits in the certificate might not allow the specified operation.</p>
42	GSS_S_MINOR_DECRYPTION_NOT_ALLOWED_BY_ENV	<p>The environment is not set up to do a decryption operation.</p> <p>Additional information: the key usage bits in the certificate might not allow the specified operation.</p>
43	GSS_S_MINOR_UNABLE_TO_DECRYPT_PIDU	<p>The protected independent data unit (PIDU) cannot be decrypted.</p> <p>Additional information: ensure the recipients extended attribute on the privacy-protected queue includes the certificate DN of the actual recipient of the message. Additionally, ensure that the public key that the sender has for the recipient DN matches the private key in the recipient's keystore.</p>
44	GSS_S_MINOR_INVALID_PKCS7_MESSAGE	An Invalid PKCS7 message has been received.
45	GSS_S_MINOR_USAGE_VALIDATION_FAILED	The application was not built with the right level of GSKit/ACME or is not permitted to use ACME API interface.
46	GSS_S_MINOR_DIGEST_ERROR	An error occurred during the message digest and the message is possibly corrupted.
47	GSS_S_MINOR_ENCRYPTION_ERROR	An error occurred during the data encryption and the message is possibly corrupted.
48	GSS_S_MINOR_DECRYPTION_ERROR	An error occurred during the data decryption and the message is possibly corrupted.
49	GSS_S_MINOR_ACCELERATOR_NOT_SUPPORTED	The specified card is either not supported or has not been installed properly.
50	GSS_S_MINOR_PKCS11_TOKEN_NOTPRESENT	The PKCS #11 token could not be found.
51	GSS_S_MINOR_PKCS11_TOKEN__LABEL_MISMATCH	The PKCS #11 token label was not entered correctly.
52	GSS_S_MINOR_PKCS11_TOKEN_INVALID_PIN	The user PIN entered for the PKCS #11 token is invalid.
53	GSS_S_MINOR_PKCS11_LIBRARY_NOT_LOADED	The system could not load the PKCS #11 library.

Table 1. GSKit error messages sorted by decimal return code (continued)

Decimal Return Code	Message Code	Explanation
54	GSS_S_MINOR_DECODING_ERROR	An error occurred during Base 64 or ASN.1 decoding for either the certificate or distinguished name.
55	GSS_S_MINOR_SIGN_ERROR	An error occurred during the signing process.
56	GSS_S_MINOR_VERIFY_ERROR	An error occurred during the signature verification process.
57	GSS_S_MINOR_RECIPIENT_CERT_NOT_FOUND	The application could not locate the recipient certificate.
58	GSS_S_MINOR_CERT_HpAS_NO_PRIVATE_KEY	The Certificate does not have a private encryption key.
59	GSS_S_MINOR_CERT_HAS_BAD_VALIDITY_DATE	The Certificate has a wrong validity date.
60	GSS_S_MINOR_BAD_CERTIFICATE	The Certificate is not valid.
61	GSS_S_MINOR_FIPS_NOT_SUPPORTED	The FIPS mode is not supported in this version.
62	GSS_S_MINOR_SIGNER_CERT_BAD	The signer certificate is not trusted.
63	GSS_S_MINOR_SIGNER_CERT_BAD_DATE	The signer certificate has a bad validity date.

Migrating with AltGSKit from IBM WebSphere MQ Telemetry Version 7.0.1 to Version 7.1

Perform this task only if you are migrating from IBM WebSphere MQ Telemetry Version 7.0.1 using the AltGSKit configuration setting to load an alternative GSKit. The alternative GSKit used by IBM WebSphere MQ Telemetry Version 7.0.1 with the AltGSKit setting is separate from the GSKit used by IBM WebSphere MQ Telemetry Version 7.1; changes to each GSKit do not affect the other. This is because IBM WebSphere MQ Telemetry Version 7.1 uses a private local copy of GSKit in its installation directory and does not support the use of an alternative GSKit.

Overview of the main migration steps for AltGSKit

When migrating from IBM WebSphere MQ Telemetry Version 7.0.1 utilizing AltGSKit to IBM WebSphere MQ Telemetry Version 7.1 there are a number of tasks to be performed to enable the new GSKit to operate successfully. The main steps to consider when migrating:

1. Ensure that no applications require the use of the currently installed alternative GSKit before initiating removal.
2. Remove the AltGSKit setting from the SSL stanza of each queue manager and client configuration file.
3. Restart each MQI client application which is using the alternative GSKit to ensure that no client applications have the alternative GSKit loaded.
4. Issue the REFRESH SECURITY TYPE(SSL) on each queue manager which is using the alternative GSKit to ensure that no queue managers have the alternative GSKit loaded.
5. Uninstall the alternative GSKit as per the platform specific instructions outlined in this topic.
6. Install the alternative GSKit as per the platform specific instructions referred to in this topic.

Removing the AltGSKit setting

Before the alternative GSKit can be uninstalled, the AltGSKit setting must be removed from the SSL stanza of each queue manager and client configuration file.

To view the contents and for further information about the queue manager configuration files, see [Queue manager configuration files, qm.ini](#)

For information about the the SSL stanza of the client configuration file, see [SSL stanza of the client configuration file](#).

Once the configuration file has been altered:

1. Restart each MQI client application which is using the alternative GSKit to ensure that no client applications have the alternative GSKit loaded.
2. Issue the REFRESH SECURITY TYPE(SSL) on each queue manager which is using the alternative GSKit to ensure that no queue managers have the alternative GSKit loaded.

Uninstalling GSKit

Here we outline the platform specific instructions for uninstalling the alternative GSKit:

- [“Uninstalling GSKit V8 on Windows” on page 46](#)
- [“Uninstalling GSKit V8 on Linux” on page 46](#)
- [“Uninstalling GSKit V8 on AIX” on page 47](#)
- [“Uninstalling GSKit V8 on HP-UX” on page 47](#)
- [“Uninstalling GSKit V8 on Solaris” on page 47](#)

Uninstalling GSKit V8 on Windows

You can uninstall GSKit Version 8 interactively using Add or Remove Programs in the Windows Control Panel. You can uninstall GSKit Version 8 silently using the Windows Installer **msiexec** utility or the GSKit installation file. If you want to use an accessible interface to uninstall GSKit Version 8, use either of the silent uninstallation methods.

Procedure

- To uninstall GSKit V8 by using **msiexec**:

1. Issue the command

```
msiexec /x PackageName
```

PackageName is one of the values GSKit8 SSL 32-bit, GSKit8 Crypt 32-bit, GSKit8 SSL 64-bit, or GSKit8 Crypt 64-bit.

2. Repeat for each package to be uninstalled.

Uninstalling GSKit V8 on Linux

You can uninstall GSKit V8 using the **rpm** command.

Procedure

Uninstall GSKit v8 by using the following command:

```
rpm -ev gskss132-8.0.X.Y gskcrypt32-8.0.X.Y
```

X.Y represents the version number of GSKit installed.

On 64-bit Linux platforms run the following additional command:

```
rpm -ev gskssl64-8.0.X.Y gskcrypt64-8.0.X.Y
```

Uninstalling GSKit V8 on AIX

You can uninstall GSKit V8 using the **installp** command.

Procedure

Uninstall GSKit V8 by using the following command:

```
installp -u -g -V2 gskcrypt32.ppc.rte gskssl32.ppc.rte gskcrypt64.ppc.rte gskssl64.ppc.rte
```

Uninstalling GSKit V8 on HP-UX

You can uninstall GSKit Version 8 using the **swremove** command.

Procedure

Uninstall GSKit V8 by using the following command:

```
swremove gskcrypt32 gskssl32 gskcrypt64 gskssl64
```

Uninstalling GSKit V8 on Solaris

You can uninstall GSKit V8 using the **pkgrm** command.

Procedure

Uninstall GSKit V8 by using the following command:

```
pkgrm gsk8ssl32 gsk8cry32 gsk8ssl64 gsk8cry64
```

Installing GSKit on IBM WebSphere MQ Telemetry Version 7.1

On IBM WebSphere MQ Telemetry Version 7.1 for Windows, GSKit is automatically installed.

To install GSKit on IBM WebSphere MQ Telemetry Version 7.1 on Linux and UNIX platforms, refer to instructions outlined in the following topics:

- [IBM WebSphere MQ components for Linux systems](#)
- [IBM WebSphere MQ components for HP-UX systems](#)
- [IBM WebSphere MQ components for AIX® systems](#)
- [IBM WebSphere MQ components for Solaris systems](#)

CipherSpec mismatches

Both ends of a WebSphere MQ SSL channel must use the same CipherSpec. Mismatches can be detected during the SSL handshake or during channel startup.

A CipherSpec identifies the combination of the encryption algorithm and hash function. Both ends of a WebSphere MQ SSL channel must use the same CipherSpec, although they can specify that CipherSpec in a different manner. Mismatches can be detected at two stages:

During the SSL handshake

The SSL handshake fails when the CipherSpec specified by the SSL client is unacceptable to the SSL support at the SSL server end of the connection. A CipherSpec failure during the SSL handshake arises when the SSL client proposes a CipherSpec that is not supported by the SSL provision on the

SSL server. For example, when an SSL client running on AIX proposes the DES_SHA_EXPORT1024 CipherSpec to an SSL server running on IBM i.

During channel startup

Channel startup fails when there is a mismatch between the CipherSpec defined for the responding end of the channel and the CipherSpec defined for the calling end of channel. Channel startup also fails when only one end of the channel defines a CipherSpec.

See [Specifying CipherSpecs](#) for more information.

Note: If Global Server Certificates are used, a mismatch can be detected during channel startup even if the CipherSpecs specified on both channel definitions match.

Global Server Certificates are a special type of certificate which require that a minimum level of encryption is established on all the communications links with which they are used. If the CipherSpec requested by the WebSphere MQ channel configuration does not meet this requirement, the CipherSpec is renegotiated during the SSL handshake. This is detected as a failure during WebSphere MQ channel startup as the CipherSpec no longer matches the one specified on the channel.

In this case, change the CipherSpec at both sides of the channel to one which meets the requirements of the Global Server Certificate. To establish whether a certificate that has been issued to you is a Global Server Certificate, contact the certificate authority which issued that certificate.

SSL servers do not detect mismatches when an SSL client channel on UNIX, Linux or Windows systems specifies the DES_SHA_EXPORT1024 CipherSpec, and the corresponding SSL server channel on UNIX, Linux or Windows systems is using the DES_SHA_EXPORT CipherSpec. In this case, the channel runs normally.

Authentication failures

There are a number common reasons for authentication failures during the SSL handshake.

These reasons include, but are not limited to, those in the following list:

A certificate has been found in a Certificate Revocation List or Authority Revocation List

You can check certificates against the revocation lists published by the Certificate Authorities.

A Certificate Authority can revoke a certificate that is no longer trusted by publishing it in a Certificate Revocation List (CRL) or Authority Revocation List (ARL). For more information, see [Working with revoked certificates](#).

An OCSP responder has identified a certificate as Revoked or Unknown

You can check certificates using OCSP. An OCSP responder can return a response of Revoked, indicating that a certificate is no longer valid, or Unknown, indicating that it has no revocation data for that certificate. For more information, see [Working with revoked certificates](#).

A certificate has expired or is not yet active

Each digital certificate has a date from which it is valid and a date after which it is no longer valid, so an attempt to authenticate with a certificate that is outside its lifetime fails.

A certificate is corrupted

If the information in a digital certificate is incomplete or damaged, authentication fails.

A certificate is not supported

If the certificate is in a format that is not supported, authentication fails, even if the certificate is still within its lifetime.

The SSL client does not have a certificate

The SSL server always validates the client certificate if one is sent. If the SSL client does not send a certificate, authentication fails if the end of the channel acting as the SSL server is defined:

- With the SSLCAUTH parameter set to REQUIRED or
- With an SSLPEER parameter value

There is no matching CA root certificate or the certificate chain is incomplete

Each digital certificate is issued by a Certificate Authority (CA), which also provides a root certificate that contains the public key for the CA. Root certificates are signed by the issuing CA itself. If the key repository on the computer that is performing the authentication does not contain a valid root certificate for the CA that issued the incoming user certificate, authentication fails.

Authentication often involves a chain of trusted certificates. The digital signature on a user certificate is verified with the public key from the certificate for the issuing CA. If that CA certificate is a root certificate, the verification process is complete. If that CA certificate was issued by an intermediate CA, the digital signature on the intermediate CA certificate must itself be verified. This process continues along a chain of CA certificates until a root certificate is reached. In such cases, all certificates in the chain must be verified correctly. If the key repository on the computer that is performing the authentication does not contain a valid root certificate for the CA that issued the incoming root certificate, authentication fails.

However, certain SSL implementations such as GSKit, DCM, and RACF validate the certificates as long as the trust anchor (ROOT CA) is present, with some of the intermediate CA not present in the trust chain. Therefore, it is important to ensure that the server-side certificate store contains the complete trust chain. Also, the technique of selectively removing signer (CA) certificates must not be used to control connectivity to the queue manager.

For more information, see [How certificate chains work](#).

For more information about the terms used in this topic, see:

- [Secure Sockets Layer \(SSL\) and Transport Layer Security \(TLS\) concepts](#)
- [Digital certificates](#)

Monitoring reference

Use the reference information in this section to help you monitor IBM WebSphere MQ.

Related tasks

[Monitoring and performance](#)

Structure data types

Use this topic to understand the structure data types used in the message data that WebSphere MQ monitoring techniques generate.

The following topics describe in a language-independent form the structure data types used in monitor message data. The declarations are shown in the following programming languages:

- C
- COBOL
- PL/I
- RPG (ILE) (IBM i only)
- S/390® assembler (z/OS only)
- Visual Basic (Windows platforms only)
- [“MQCFBS - Byte string parameter” on page 50](#)
- [“MQCFGR - Group parameter” on page 52](#)
- [“MQCFH - PCF header” on page 54](#)
- [“MQCFIL - Integer list parameter” on page 57](#)
- [“MQCFIL64 - 64-bit integer list parameter” on page 60](#)
- [“MQCFIN - Integer parameter” on page 62](#)
- [“MQCFIN64 - 64-bit integer parameter” on page 64](#)
- [“MQCFSL - String list parameter” on page 65](#)

- [“MQCFST - String parameter” on page 68](#)
- [“MQEPH - Embedded PCF header” on page 71](#)

MQCFBS - Byte string parameter

Use this page to view the structure of an MQCFBS parameter and the declarations for the following programming languages: C, COBOL, PL/I, RPG/ILE, and S/390 assembler

The MQCFBS structure describes a byte string parameter. Following the links to the declarations is a description of the fields making up the MQCFBS structure:

- [C language](#)
- [COBOL language](#)
- [PL/I language \(z/OS only\)](#)
- [RPG/ILE language \(IBM i only\)](#)
- [S/390 assembler-language \(z/OS only\)](#)

Type

Description:	This indicates that the structure is an MQCFBS structure describing a byte string parameter.
Data type:	MQLONG.
Value:	MQCFT_BYTE_STRING Structure defining a byte string.

StrucLength

Description:	This is the length in bytes of the MQCFBS structure, including the variable-length string at the end of the structure (the <i>String</i> field).
Data type:	MQLONG.

Parameter

Description:	This identifies the parameter with a value that is contained in the structure.
Data type:	MQLONG.

StringLength

Description:	This is the length in bytes of the data in the <i>String</i> field, and is zero or greater.
Data type:	MQLONG.

String

Description:	This is the value of the parameter identified by the <i>Parameter</i> field. The string is a byte string, and so is not subject to character-set conversion when sent between different systems. Note: A null byte in the string is treated as normal data, and does not act as a delimiter for the string.
Data type:	MQBYTE × <i>StringLength</i> .

C language declaration

```
struct tagMQCFBS {
    MQLONG  Type;          /* Structure type */
    MQLONG  StrucLength;   /* Structure length */
    MQLONG  Parameter;     /* Parameter identifier */
    MQLONG  StringLength;  /* Length of string */
    MQBYTE  String[1];    /* String value -- first character */
} MQCFBS;
```

COBOL language declaration

```
** MQCFBS structure
10 MQCFBS.
** Structure type
15 MQCFBS-TYPE          PIC S9(9) BINARY.
** Structure length
15 MQCFBS-STRULENGTH   PIC S9(9) BINARY.
** Parameter identifier
15 MQCFBS-PARAMETER    PIC S9(9) BINARY.
** Length of string
15 MQCFBS-STRINGLENGTH PIC S9(9) BINARY.
```

PL/I language declaration (z/OS only)

```
dcl
1 MQCFBS based,
3 Type          fixed bin(31), /* Structure type */
3 StrucLength    fixed bin(31), /* Structure length */
3 Parameter      fixed bin(31), /* Parameter identifier */
3 StringLength  fixed bin(31); /* Length of string */
```

RPG/ILE language declaration (IBM i only)

```
D*..1.....2.....3.....4.....5.....6.....7..
D* MQCFBS Structure
D*
D* Structure type
D BSTYP          1      4I 0 INZ(9)
D* Structure length
D BSLEN         5      8I 0 INZ(16)
D* Parameter identifier
D BSPRM         9      12I 0 INZ(0)
D* Length of string
D BSSTL        13      16I 0 INZ(0)
D* String value -- first byte
D BSSRA        17      17    INZ
```

S/390 assembler-language declaration (z/OS only)

```
MQCFBS          DSECT
MQCFBS_TYPE     DS    F Structure type
MQCFBS_STRULENGTH DS  F Structure length
MQCFBS_PARAMETER DS  F Parameter identifier
MQCFBS_STRINGLENGTH DS F Length of string
*
MQCFBS_LENGTH   EQU  *-MQCFBS
                ORG  MQCFBS
MQCFBS_AREA     DS    CL(MQCFBS_LENGTH)
```

MQCFGR - Group parameter

Use this page to view the structure of an MQCFGR parameter and the declarations for the following programming languages: C, COBOL, PL/I, RPG/ILE, S/390 assembler, and Visual Basic

The MQCFGR structure describes a group parameter. Following the links to the declarations is a description of the fields making up the MQCFGR structure:

- [C language](#)
- [COBOL language](#)
- [PL/I language \(z/OS only\)](#)
- [RPG/ILE language \(IBM i only\)](#)
- [System/390 assembler-language \(z/OS only\)](#)
- [Visual Basic language \(Windows only\)](#)

The MQCFGR structure is a group parameter in which the subsequent parameter structures are grouped together as a single logical unit. The number of subsequent structures that are included is given by *ParameterCount*. This structure, and the parameter structures it includes, are counted as one structure only in the *ParameterCount* parameter in the PCF header (MQCFH) and the group parameter (MQCFGR).

Type

Description:	Indicates that the structure type is MQCFGR describing which parameters are in this group.
Data type:	MQLONG.
Value:	MQCFT_GROUP Structure defining a group of parameters.

StrucLength

Description:	Length in bytes of the MQCFGR structure.
Data type:	MQLONG.
Value:	MQCFGR_STRUC_LENGTH Length of the command format group-parameter structure.

Parameter

Description:	This identifies the type of group parameter.
Data type:	MQLONG.

ParameterCount

Description:	The number of parameter structures following the MQCFGR structure that are contained within the group identified by the <i>Parameter</i> field. If the group itself contains one or more groups, each group and its parameters count as one structure only.
Data type:	MQLONG.

C language declaration

```
typedef struct tagMQCFGR {  
    MQLONG  Type;           /* Structure type */  
    MQLONG  StrucLength;    /* Structure length */  
    MQLONG  Parameter;     /* Parameter identifier */  
};
```

```

MQLONG ParameterCount; /* Count of the grouped parameter structures */
} MQCFGR;

```

COBOL language declaration

```

** MQCFGR structure
10 MQCFGR.
** Structure type
15 MQCFGR-TYPE PIC S9(9) BINARY.
** Structure length
15 MQCFGR-STRUCLength PIC S9(9) BINARY.
** Parameter identifier
15 MQCFGR-PARAMETER PIC S9(9) BINARY.
** Count of grouped parameter structures
15 MQCFGR-PARAMETERCOUNT PIC S9(9) BINARY.

```

PL/I language declaration (z/OS and Windows only)

```

dcl
1 MQCFGR based,
3 Type fixed bin(31), /* Structure type */
3 StructLength fixed bin(31), /* Structure length */
3 Parameter fixed bin(31), /* Parameter identifier */
3 ParameterCount fixed bin(31), /* Count of grouped parameter structures */

```

RPG/ILE declaration (IBM i only)

```

D*.1.....2.....3.....4.....5.....6.....7..
D* MQCFGR Structure
D*
D* Structure type
D GRTYP 1 4I INZ(20)
D* Structure length
D GRLEN 5 8I INZ(16)
D* Parameter identifier
D GRPRM 9 12I INZ(0)
D* Count of grouped parameter structures
D GRCNT 13 16I INZ(0)
D*

```

S/390 assembler-language declaration (z/OS only)

```

MQCFGR DSECT
MQCFGR_TYPE DS F Structure type
MQCFGR_STRUCLength DS F Structure length
MQCFGR_PARAMETER DS F Parameter identifier
MQCFGR_PARAMETERCOUNT DS F Count of grouped parameter structures
MQCFGR_LENGTH EQU *-MQCFGR Length of structure
MQCFGR_ORG ORG MQCFGR
MQCFGR_AREA DS CL(MQCFGR_LENGTH)

```

Visual Basic language declaration (Windows only)

```

Type MQCFGR
Type As Long ' Structure type
StructLength As Long ' Structure length
Parameter As Long ' Parameter identifier
ParameterCount As Long ' Count of grouped parameter structures
End Type

```

MQCFH - PCF header

Use this page to view the structure of an MQCFH header and the declarations for the following programming languages: C, COBOL, PL/I, RPG/ILE, S/390 assembler, and Visual Basic

The MQCFH structure describes the information that is present at the start of the message data of a monitoring message. Following the links to the declarations is a description of the fields making up the MQCFH structure:

- [C language](#)
- [COBOL language](#)
- [PL/I language \(z/OS only\)](#)
- [RPG/ILE language \(IBM i only\)](#)
- [S/390 assembler language \(z/OS only\)](#)
- [Visual Basic language \(Windows only\)](#)

Type

Description:	Structure type This indicates the content of the message.
Data type:	MQLONG.
Values:	MQCFT_ACCOUNTING Message is an accounting message. MQCFT_EVENT Message is reporting an event. MQCFT_REPORT Message is an activity report. MQCFT_RESPONSE Message is a response to a command. MQCFT_STATISTICS Message is a statistics message. MQCFT_TRACE_ROUTE Message is a trace-route message.

StrucLength

Description:	This is the length in bytes of the MQCFH structure
Data type:	MQLONG.
Value:	MQCFH_STRUC_LENGTH Length of command format header structure.

Version

Description:	Structure version number.
Data type:	MQLONG.
Value:	MQCFH_VERSION_1 Version number for all events except configuration and command events. MQCFH_VERSION_2 Version number for configuration events. MQCFH_VERSION_3 Version number for command events, activity reports, trace-route messages, accounting and statistics messages.

Command

- Description: Specifies the category of the message.
- Data type: MQLONG.
- Value: Refer to the *Command* values in the following structure descriptions:
- “Event message MQCFH (PCF header)” on page 114.
 - Activity report MQCFH (PCF header).
 - Trace-route message MQCFH (PCF header).
 - Message data in accounting and statistics messages.

MsgSeqNumber

- Description: Message sequence number. This is the sequence number of the message within a set of related messages.
- Data type: MQLONG.

Control

- Description: Control options.
- Data type: MQLONG.
- Value: **MQCFC_LAST**
Last message in the set.
- MQCFC_NOT_LAST**
Not the last message in the set.

CompCode

- Description: Completion code.
- Data type: MQLONG.
- Value: **MQCC_OK**
Events reporting OK condition, activity reports, trace-route messages, accounting messages, or statistics messages.
- MQCC_WARNING**
Event reporting warning condition.

Reason

- Description: Reason code qualifying completion code.
- Data type: MQLONG.
- Value: For event messages:
- MQRC_***
Dependent on the event being reported.
- Note:** Events with the same reason code are further identified by the *ReasonQualifier* parameter in the event data.
- For activity reports, trace-route messages, accounting messages, and statistics messages:
- MQRC_NONE**

ParameterCount

Description:	Count of parameter structures. This is the number of parameter structures that follow the MQCFH structure.
Data type:	MQLONG.
Value:	0 or greater.

C language declaration

```
typedef struct tagMQCFH {
    MQLONG  Type;           /* Structure type */
    MQLONG  StructLength;  /* Structure length */
    MQLONG  Version;       /* Structure version number */
    MQLONG  Command;       /* Command identifier */
    MQLONG  MsgSeqNumber;  /* Message sequence number */
    MQLONG  Control;       /* Control options */
    MQLONG  CompCode;      /* Completion code */
    MQLONG  Reason;        /* Reason code qualifying completion code */
    MQLONG  ParameterCount; /* Count of parameter structures */
} MQCFH;
```

COBOL language declaration

```
** MQCFH structure
10 MQCFH.
** Structure type
15 MQCFH-TYPE PIC S9(9) BINARY.
** Structure length
15 MQCFH-STRUCLENGTH PIC S9(9) BINARY.
** Structure version number
15 MQCFH-VERSION PIC S9(9) BINARY.
** Command identifier
15 MQCFH-COMMAND PIC S9(9) BINARY.
** Message sequence number
15 MQCFH-MSGSEQNUMBER PIC S9(9) BINARY.
** Control options
15 MQCFH-CONTROL PIC S9(9) BINARY.
** Completion code
15 MQCFH-COMPCODE PIC S9(9) BINARY.
** Reason code qualifying completion code
15 MQCFH-REASON PIC S9(9) BINARY.
** Count of parameter structures
15 MQCFH-PARAMETERCOUNT PIC S9(9) BINARY.
```

PL/I language declaration (z/OS and Windows)

```
dcl
1 MQCFH based,
3 Type          fixed bin(31), /* Structure type */
3 StructLength  fixed bin(31), /* Structure length */
3 Version       fixed bin(31), /* Structure version number */
3 Command       fixed bin(31), /* Command identifier */
3 MsgSeqNumber  fixed bin(31), /* Message sequence number */
3 Control       fixed bin(31), /* Control options */
3 CompCode      fixed bin(31), /* Completion code */
3 Reason        fixed bin(31), /* Reason code qualifying completion
                             code */
3 ParameterCount fixed bin(31); /* Count of parameter structures */
```

RPG language declaration (IBM i only)

```
D* .1....:....2....:....3....:....4....:....5....:....6....:....7..
D* MQCFH Structure
D*
D* Structure type
```

```

D FHTYP          1      4I 0 INZ(1)
D* Structure length
D FHLEN         5      8I 0 INZ(36)
D* Structure version number
D FHVER         9      12I 0 INZ(1)
D* Command identifier
D FHCMD        13      16I 0 INZ(0)
D* Message sequence number
D FHSEQ        17      20I 0 INZ(1)
D* Control options
D FHCTL        21      24I 0 INZ(1)
D* Completion code
D FHCMP        25      28I 0 INZ(0)
D* Reason code qualifying completion code
D FHREA        29      32I 0 INZ(0)
D* Count of parameter structures
D FHCNT        33      36I 0 INZ(0)
D*

```

S/390 assembler language declaration (z/OS only)

```

MQCFH          DSECT
MQCFH_TYPE     DS F      Structure type
MQCFH_STRULENGTH DS F      Structure length
MQCFH_VERSION  DS F      Structure version number
MQCFH_COMMAND  DS F      Command identifier
MQCFH_MSGSEQNUMBER DS F      Message sequence number
MQCFH_CONTROL  DS F      Control options
MQCFH_COMPCODE DS F      Completion code
MQCFH_REASON   DS F      Reason code qualifying
*              completion code
MQCFH_PARAMETERCOUNT DS F      Count of parameter
*              structures
MQCFH_LENGTH   EQU *-MQCFH Length of structure
*              ORG MQCFH
MQCFH_AREA     DS      CL(MQCFH_LENGTH)

```

Visual Basic language declaration (Windows only)

```

Type MQCFH
  Type As Long      'Structure type
  StruLength As Long 'Structure length
  Version As Long   'Structure version number
  Command As Long   'Command identifier
  MsgSeqNumber As Long 'Message sequence number
  Control As Long   'Control options
  CompCode As Long  'Completion code
  Reason As Long    'Reason code qualifying completion code
  ParameterCount As Long 'Count of parameter structures
End Type

```

MQCFIL - Integer list parameter

Use this page to view the structure of an MQCFIL parameter and the declarations for the following programming languages: C, COBOL, PL/I, RPG/ILE, S/390 assembler, and Visual Basic

The MQCFIL structure describes an integer list parameter. Following the links to the declarations is a description of the fields making up the MQCFIL structure:

- [C language](#)
- [COBOL language](#)
- [PL/I language \(z/OS only\)](#)
- [RPG/ILE language \(IBM i only\)](#)
- [System/390 assembler-language \(z/OS only\)](#)

- Visual Basic language (Windows only)

Type

Description:	Indicates that the structure type is MQCFIL and describes an integer-list parameter.
Data type :	MQLONG.
Value:	MQCFT_INTEGER_LIST Structure defining an integer list.

StrucLength

Description:	Length in bytes of the MQCFIL structure, including the array of integers at the end of the structure (the <i>values</i> field).
Data type :	MQLONG.

Parameter

Description:	Identifies the parameter with a value that is contained in the structure.
Data type :	MQLONG.

Count

Description:	Number of elements in the <i>Values</i> array.
Data type :	MQLONG.
Values:	Zero or greater.

Values

Description:	Array of values for the parameter identified by the <i>Parameter</i> field.
Data type :	MQLONG× <i>Count</i> .

The way that this field is declared depends on the programming language:

- For the C programming language, the field is declared as an array with one element. Storage for the structure must be allocated dynamically, and pointers used to address the fields within it.
- For the COBOL, PL/I, RPG, and System/390[®] assembler programming languages, the field is omitted from the structure declaration. When an instance of the structure is declared, you must include MQCFIL in a larger structure, and declare additional fields following MQCFIL, to represent the Values field as required.

C language declaration

```
typedef struct tagMQCFIL {
    MQLONG  Type;          /* Structure type */
    MQLONG  StrucLength;   /* Structure length */
    MQLONG  Parameter;     /* Parameter identifier */
    MQLONG  Count;        /* Count of parameter values */
    MQLONG  Values[1];    /* Parameter values - first element */
} MQCFIL;
```

COBOL language declaration

```
** MQCFIL structure
 10 MQCFIL.
** Structure type
 15 MQCFIL-TYPE PIC S9(9) BINARY.
** Structure length
 15 MQCFIL-STRUCLength PIC S9(9) BINARY.
** Parameter identifier
 15 MQCFIL-PARAMETER PIC S9(9) BINARY.
** Count of parameter values
 15 MQCFIL-COUNT PIC S9(9) BINARY.
```

PL/I language declaration

```
dcl
 1 MQCFIL based,
 3 Type fixed bin(31), /* Structure type */
 3 StrucLength fixed bin(31), /* Structure length */
 3 Parameter fixed bin(31), /* Parameter identifier */
 3 Count fixed bin(31); /* Count of parameter values */
```

RPG/ILE declaration (IBM i only)

```
D*..1.....2.....3.....4.....5.....6.....7..
D* MQCFIL Structure
D*
D* Structure type
D ILTYP 1 4I 0
D* Structure length
D ILLEN 5 8I 0
D* Parameter identifier
D ILPRM 9 12I 0
D* Count of parameter valuee
D ILCNT 13 16I 0
```

S/390 assembler-language declaration

```
MQCFIL DSECT
MQCFIL_TYPE DS F Structure type
MQCFIL_STRUCLength DS F Structure length
MQCFIL_PARAMETER DS F Parameter identifier
MQCFIL_COUNT DS F Count of parameter values
MQCFIL_LENGTH EQU *-MQCFIL Length of structure
MQCFIL_AREA ORG MQCFIL
DS CL(MQCFIL_LENGTH)
```

Visual Basic language declaration

```
Type MQCFIL
  Type As Long ' Structure type
  StrucLength As Long ' Structure length
  Parameter As Long ' Parameter identifier
  Count As Long ' Count of parameter value
End Type
```

MQCFIL64 - 64-bit integer list parameter

Use this page to view the structure of an MQCFIL64 parameter and the declarations for the following programming languages: C, COBOL, PL/I, RPG/ILE, and S/390 assembler

The MQCFIL64 structure describes a 64-bit integer list parameter. Following the links to the declarations is a description of the fields making up the MQCFIL64 structure:

- [C language](#)
- [COBOL language](#)
- [PL/I language \(z/OS only\)](#)
- [RPG/ILE language \(IBM i only\)](#)
- [System/390 assembler-language \(z/OS only\)](#)

Type

Description:	Indicates that the structure is a MQCFIL64 structure describing a 64-bit integer list parameter.
Data type:	MQLONG.
Value:	MQCFT_INTEGER64_LIST Structure defining a 64-bit integer list.

StrucLength

Description:	Length in bytes of the MQCFIL64 structure, including the array of integers at the end of the structure (the <i>Values</i> field).
Data type:	MQLONG.

Parameter

Description:	Identifies the parameter with a value that is contained in the structure.
Data type:	MQLONG.

Count

Description:	Number of elements in the <i>Values</i> array.
Data type:	MQLONG.
Values:	0 or greater.

Values

Description:	Array of values for the parameter identified by the <i>Parameter</i> field.
Data type:	(MQINT64× <i>Count</i>)

The way that this field is declared depends on the programming language:

- For the C programming language, the field is declared as an array with one element. Storage for the structure must be allocated dynamically, and pointers used to address the fields within it.
- For the COBOL, PL/I, RPG, and System/390 assembler programming languages, the field is omitted from the structure declaration. When an instance of the structure is declared, you must include MQCFIL64 in a larger structure, and declare additional fields following MQCFIL64, to represent the *Values* field as required.

For COBOL, additional fields should be declared as:

```
PIC S9(18)
```

For PL/I, additional fields should be declared as FIXED BINARY SIGNED with a precision of 63.

For System/390 assembler, additional fields should be declared D (double word) in the DS declaration.

C language declaration

```
typedef struct tagMQCFIN64 {
    MQLONG Type;          /* Structure type */
    MQLONG StructLength; /* Structure length */
    MQLONG Parameter;     /* Parameter identifier */
    MQLONG Count;        /* Count of parameter values */
    MQINT64 Values[1];   /* Parameter value */
} MQCFIL64;
```

COBOL language declaration

```
** MQCFIL64 structure
10 MQCFIL64.
** Structure type
15 MQCFIL64-TYPE PIC S9(9) BINARY.
** Structure length
15 MQCFIL64-STRUCLENGTH PIC S9(9) BINARY.
** Parameter identifier
15 MQCFIL64-PARAMETER PIC S9(9) BINARY.
** Count of parameter values
15 MQCFIL64-COUNT PIC S9(9) BINARY.
```

PL/I language declaration

```
dcl
1 MQCFIL64 based,
3 Type fixed bin(31), /* Structure type */
3 StructLength fixed bin(31), /* Structure length */
3 Parameter fixed bin(31), /* Parameter identifier */
3 Count fixed bin(31) /* Count of parameter values */
```

RPG/ILE language declaration (IBM i only)

```
D*..1.....2.....3.....4.....5.....6.....7..
D* MQCFIL64 Structure
D*
D* Structure type
D IL64TYP 1 4I 0 INZ(25)
D* Structure length
D IL64LEN 5 8I 0 INZ(16)
D* Parameter identifier
D IL64PRM 9 12I 0 INZ(0)
D* Count of parameter values
D IL64CNT 13 16I 0 INZ(0)
D* Parameter values -- first element
D IL64VAL 17 16 INZ(0)
```

S/390 assembler-language declaration (z/OS only)

```
MQCFIL64 DSECT
MQCFIL64_TYPE DS F Structure type
MQCFIL64_STRUCLENGTH DS F Structure length
MQCFIL64_PARAMETER DS F Parameter identifier
MQCFIL64_COUNT DS F Parameter value high
MQCFIL64_LENGTH EQU *-MQCFIL64 Length of structure
```

MQCFIN - Integer parameter

Use this page to view the structure of an MQCFIN parameter and the declarations for the following programming languages: C, COBOL, PL/I, RPG/ILE, S/390 assembler, and Visual Basic

The MQCFIN structure describes an integer parameter. Following the links to the declarations is a description of the fields making up the MQCFIN structure:

- [C language](#)
- [COBOL language](#)
- [PL/I language \(z/OS only\)](#)
- [RPG/ILE language \(IBM i only\)](#)
- [S/390 assembler-language \(z/OS only\)](#)
- [Visual Basic language \(Windows only\)](#)

Type

Description:	Indicates that the structure type is MQCFIN and describes an integer parameter.
Data type:	MQLONG.
Value:	MQCFT_INTEGER Structure defining an integer.

StrucLength

Description:	Length in bytes of the MQCFIN structure.
Data type:	MQLONG.
Value:	MQCFIN_STRUC_LENGTH Length of MQCFIN structure.

Parameter

Description:	Identifies the parameter with a value that is contained in the structure.
Data type:	MQLONG.

Value

Description:	Value of parameter identified by the <i>Parameter</i> field.
Data type:	MQLONG.

C language declaration

```
typedef struct tagMQCFIN {
    MQLONG Type;          /* Structure type */
    MQLONG StrucLength;  /* Structure length */
    MQLONG Parameter;    /* Parameter identifier */
    MQLONG Value;        /* Parameter value */
} MQCFIN;
```

COBOL language declaration

```
** MQCFIN structure
10 MQCFIN.
** Structure type
15 MQCFIN-TYPE PIC S9(9) BINARY.
** Structure length
15 MQCFIN-STRULENGTH PIC S9(9) BINARY.
** Parameter identifier
15 MQCFIN-PARAMETER PIC S9(9) BINARY.
** Parameter value
15 MQCFIN-VALUE PIC S9(9) BINARY.
```

PL/I language declaration

```
dcl
1 MQCFIN based,
3 Type fixed bin(31), /* Structure type */
3 StrucLength fixed bin(31), /* Structure length */
3 Parameter fixed bin(31), /* Parameter identifier */
3 Value fixed bin(31); /* Parameter value */
```

RPG/ILE declaration (IBM i only)

```
D*..1.....2.....3.....4.....5.....6.....7..
D* MQCFIN Structure
D*
D* Structure type
D INTYP 1 4I 0
D* Structure length
D INLEN 5 8I 0
D* Parameter identifier
D INPRM 9 12I 0
D* Parameter value
D INVAL 13 16I 0
```

S/390 assembler-language declaration

```
MQCFIN DSECT
MQCFIN_TYPE DS F Structure type
MQCFIN_STRULENGTH DS F Structure length
MQCFIN_PARAMETER DS F Parameter identifier
MQCFIN_VALUE DS F Parameter value
MQCFIN_LENGTH EQU *-MQCFIN Length of structure
MQCFIN_AREA ORG MQCFIN
DS CL(MQCFIN_LENGTH)
```

Visual Basic language declaration

```
Type MQCFIN
Type As Long ' Structure type
StrucLength As Long ' Structure length
Parameter As Long ' Parameter identifier
Value As Long ' Parameter value
End Type
```

MQCFIN64 - 64-bit integer parameter

Use this page to view the structure of an MQCFIN64 parameter and the declarations for the following programming languages: C, COBOL, PL/I, RPG/ILE, and S/390 assembler

The MQCFIN64 structure describes a 64-bit integer parameter. Following the links to the declarations is a description of the fields making up the MQCFIN64 structure:

- [C language](#)
- [COBOL language](#)
- [PL/I language \(z/OS only\)](#)
- [RPG/ILE language \(IBM i only\)](#)
- [System/390 assembler-language \(z/OS only\)](#)

Type

Description:	Indicates that the structure is a MQCFIN64 structure describing a 64-bit integer parameter.
Data type:	MQLONG.
Value:	MQCFT_INTEGER64 Structure defining a 64-bit integer.

StrucLength

Description:	Length in bytes of the MQCFIN64 structure.
Data type:	MQLONG.
Value:	MQCFIN64_STRUC_LENGTH Length of 64-bit integer parameter structure.

Parameter

Description:	Identifies the parameter with a value that is contained in the structure.
Data type:	MQLONG.

Values

Description:	This is the value of the parameter identified by the <i>Parameter</i> field.
Data type:	(MQINT64)

C language declaration

```
typedef struct tagMQCFIN64 {
    MQLONG  Type;           /* Structure type */
    MQLONG  StrucLength;   /* Structure length */
    MQLONG  Parameter;     /* Parameter identifier */
    MQLONG  Reserved;     /* Reserved */
    MQINT64 Value;        /* Parameter value */
} MQCFIN64;
```

COBOL language declaration

```
**  MQCFIN64 structure
   10 MQCFIN64.
**  Structure type
   15 MQCFIN64-TYPE          PIC S9(9) BINARY.
**  Structure length
```

```

15 MQCFIN64-STRUCLNGTH PIC S9(9) BINARY.
** Parameter identifier
15 MQCFIN64-PARAMETER PIC S9(9) BINARY.
** Reserved
15 MQCFIN64-RESERVED PIC S9(9) BINARY.
** Parameter value
15 MQCFIN64-VALUE PIC S9(18) BINARY.

```

PL/I language declaration

```

dcl
  1 MQCFIN64 based,
  3 Type          fixed bin(31), /* Structure type */
  3 StrucLength   fixed bin(31), /* Structure length */
  3 Parameter     fixed bin(31), /* Parameter identifier */
  3 Reserved      fixed bin(31) /* Reserved */
  3 Value         fixed bin(63); /* Parameter value */

```

RPG/ILE language declaration (IBM i only)

```

D*.1.....2.....3.....4.....5.....6.....7..
D* MQCFIN64 Structure
D*
D* Structure type
D IN64TYP          1      4I 0 INZ(23)
D* Structure length
D IN64LEN         5      8I 0 INZ(24)
D* Parameter identifier
D IN64PRM         9      12I 0 INZ(0)
D* Reserved field
D IN64RSV        13     16I 0 INZ(0)
D* Parameter value
D IN64VAL        17     16    INZ(0)

```

S/390 assembler-language declaration (z/OS only)

```

MQCFIN64          DSECT
MQCFIN64_TYPE     DS  F      Structure type
MQCFIN64_STRUCLNGTH DS  F      Structure length
MQCFIN64_PARAMETER DS  F      Parameter identifier
MQCFIN64_RESERVED DS  F      Reserved
MQCFIN64_VALUE    DS  D      Parameter value
MQCFIN64_LENGTH   EQU  *-MQCFIN64 Length of structure
MQCFIN64_AREA     DS  CL(MQCFIN64_LENGTH)

```

MQCFSL - String list parameter

Use this page to view the structure of an MQCFSL parameter and the declarations for the following programming languages: COBOL, PL/I, RPG/ILE, S/390 assembler, and Visual Basic

The MQCFSL structure describes a string list parameter. Following the links to the declarations is a description of the fields making up the MQCFSL structure:

- [COBOL language](#)
- [PL/I language \(z/OS only\)](#)
- [RPG/ILE language \(IBM i only\)](#)
- [System/390 assembler-language \(z/OS only\)](#)
- [Visual Basic language \(Windows only\)](#)

Type

Description:	This indicates that the structure is an MQCFSL structure describing a string-list parameter.
Data type:	MQLONG.
Value:	MQCFT_STRING_LIST Structure defining a string list.

StrucLength

Description:	This is the length in bytes of the MQCFSL structure, including the array of strings at the end of the structure (the <i>Strings</i> field).
Data type:	MQLONG.

Parameter

Description:	This identifies the parameter with values that are contained in the structure.
Data type:	MQLONG.

CodedCharSetId

Description:	This specifies the coded character set identifier of the data in the <i>Strings</i> field.
Data type:	MQLONG.

Count

Description:	This is the number of strings present in the <i>Strings</i> field; zero or greater.
Data type:	MQLONG.

StringLength

Description:	This is the length in bytes of one parameter value, that is the length of one string in the <i>Strings</i> field; all of the strings are this length.
Data type:	MQLONG.

String

Description: This is a set of string values for the parameter identified by the *Parameter* field. The number of strings is given by the *Count* field, and the length of each string is given by the *StringLength* field. The strings are concatenated together, with no bytes skipped between adjacent strings. The total length of the strings is the length of one string multiplied by the number of strings present (that is, *StringLength*×*Count*).

In MQFMT_EVENT messages, trailing blanks can be omitted from string parameters (that is, the string may be shorter than the defined length of the parameter). *StringLength* gives the length of the string actually present in the message.

Note: In the MQCFSL structure, a null character in a string is treated as normal data, and does not act as a delimiter for the string. This means that when a receiving application reads a MQFMT_EVENT message, the receiving application receives all of the data specified by the sending application. The data may, of course, have been converted between character sets (for example, by the receiving application specifying the MQGMO_CONVERT option on the MQGET call).

Data type: MQCHAR × *StringLength*×*Count*.

COBOL language declaration

```
** MQCFSL structure
 10 MQCFSL.
** Structure type
 15 MQCFSL-TYPE          PIC S9(9) BINARY.
** Structure length
 15 MQCFSL-STRUCLNGTH   PIC S9(9) BINARY.
** Parameter identifier
 15 MQCFSL-PARAMETER    PIC S9(9) BINARY.
** Coded character set identifier
 15 MQCFSL-CODEDCHARSETID PIC S9(9) BINARY.
** Count of parameter values
 15 MQCFSL-COUNT        PIC S9(9) BINARY.
** Length of one string
 15 MQCFSL-STRINGLENGTH PIC S9(9) BINARY.
```

PL/I language declaration

```
dcl
 1 MQCFSL based,
 3 Type          fixed bin(31), /* Structure type */
 3 StrucLength   fixed bin(31), /* Structure length */
 3 Parameter     fixed bin(31), /* Parameter identifier */
 3 CodedCharSetId fixed bin(31), /* Coded character set identifier */
 3 Count         fixed bin(31), /* Count of parameter values */
 3 StringLength  fixed bin(31); /* Length of one string */
```

RPG/ILE declaration (IBM i only)

```
D*..1....:....2....:....3....:....4....:....5....:....6....:....7..
D* MQCFSL Structure
D*
D* Structure type
D SLTYP          1      4I 0
D* Structure length
D SLLEN         5      8I 0
D* Parameter identifier
D SLPRM         9      12I 0
D* Coded character set identifier
D SLCSI        13     16I 0
D* Count of parameter values
```

D	SLCNT	17	20I 0
D*	Length of one string		
D	SLSTL	21	24I 0

S/390 assembler-language declaration (z/OS only)

```

MQCFSL          DSECT
MQCFSL_TYPE     DS    F  Structure type
MQCFSL_STRUCLNGTH DS  F  Structure length
MQCFSL_PARAMETER DS  F  Parameter identifier
MQCFSL_CODEDCHARSETID DS F  Coded character set identifier
MQCFSL_COUNT    DS  F  Count of parameter values
MQCFSL_STRINGLENGTH DS F  Length of one string
*
MQCFSL_LENGTH   EQU  *-MQCFSL
                ORG  MQCFSL
MQCFSL_AREA     DS    CL(MQCFSL_LENGTH)

```

Visual Basic language declaration (Windows systems only)

```

Type MQCFSL
  Type           As Long 'Structure type'
  StructLength   As Long 'Structure length'
  Parameter       As Long 'Parameter identifier'
  CodedCharSetId As Long 'Coded character set identifier'
  Count          As Long 'Count of parameter values'
  StringLength   As Long 'Length of one string'
End Type

```

MQCFST - String parameter

Use this page to view the structure of an MQCFST parameter and the declarations for the following programming languages: C, COBOL, PL/I, RPG/ILE, S/390 assembler, and Visual Basic

The MQCFST structure describes a string parameter. Following the links to the declarations is a description of the fields making up the MQCFST structure:

- [C language](#)
- [COBOL language](#)
- [PL/I language \(z/OS only\)](#)
- [RPG/ILE language \(IBM i only\)](#)
- [System/390 assembler-language \(z/OS only\)](#)
- [Visual Basic language \(Windows only\)](#)

The MQCFST structure ends with a variable-length character string; see the *String* field for further details.

Type

Description:	Indicates that the structure type is MQCFST and describes a string parameter.
Data type:	MQLONG.
Value:	MQCFST_STRING Structure defining a string.

StructLength

Description:	Length in bytes of the MQCFST structure, including the string at the end of the structure (the <i>String</i> field).
Data type:	MQLONG.

Parameter

Description:	Identifies the parameter with a value that is contained in the structure.
Data type:	MQLONG.
Values:	Dependent on the event message.

CodedCharSetId

Description:	Coded character set identifier of the data in the <i>String</i> field.
Data type:	MQLONG.

StringLength

Description:	Length in bytes of the data in the <i>String</i> field; zero or greater.
Data type:	MQLONG.

String

Description:	<p>The value of the parameter identified by the <i>Parameter</i> field.</p> <p>In MQFMT_EVENT messages, trailing blanks can be omitted from string parameters (that is, the string may be shorter than the defined length of the parameter). <i>StringLength</i> gives the length of the string actually present in the message.</p>
Data type:	MQCHAR× <i>StringLength</i> .
Value:	The string can contain any characters that are in the character set defined by <i>CodedCharSetId</i> , and that are valid for the parameter identified by <i>Parameter</i> .
Language considerations:	<p>The way that this field is declared depends on the programming language:</p> <ul style="list-style-type: none">• For the C programming language, the field is declared as an array with one element. Storage for the structure should be allocated dynamically, and pointers used to address the fields within it.• For the COBOL, PL/I, System/390 assembler, and Visual Basic programming languages, the field is omitted from the structure declaration. When an instance of the structure is declared, the user should include MQCFST in a larger structure, and declare additional fields following MQCFST, to represent the <i>String</i> field as required. <p>A null character in the string is treated as normal data, and does not act as a delimiter for the string. This means that when a receiving application reads an MQFMT_EVENT message, the receiving application receives all of the data specified by the sending application. The data may, of course, have been converted between character sets (for example, by the receiving application specifying the MQGMO_CONVERT option on the MQGET call).</p>

C language declaration

```
typedef struct tagMQCFST {
    MQLONG  Type;          /* Structure type */
    MQLONG  StrucLength;   /* Structure length */
    MQLONG  Parameter;     /* Parameter identifier */
    MQLONG  CodedCharSetId; /* Coded character set identifier */
    MQLONG  StringLength;  /* Length of string */
    MQCHAR  String[1];    /* String value - first
                           character */
} MQCFST;
```

COBOL language declaration

```
** MQCFST structure
 10 MQCFST.
** Structure type
 15 MQCFST-TYPE          PIC S9(9) BINARY.
** Structure length
 15 MQCFST-STRUCLNGTH   PIC S9(9) BINARY.
** Parameter identifier
 15 MQCFST-PARAMETER     PIC S9(9) BINARY.
** Coded character set identifier
 15 MQCFST-CODEDCHARSETID PIC S9(9) BINARY.
** Length of string
 15 MQCFST-STRINGLENGTH PIC S9(9) BINARY.
```

PL/I language declaration

```
dcl
 1 MQCFST based,
 3 Type          fixed bin(31), /* Structure type */
 3 StrucLength   fixed bin(31), /* Structure length */
 3 Parameter      fixed bin(31), /* Parameter identifier */
 3 CodedCharSetId fixed bin(31), /* Coded character set identifier */
 3 StringLength  fixed bin(31); /* Length of string */
```

RPG/ILE declaration (IBM i only)

```
D*..1....:....2....:....3....:....4....:....5....:....6....:....7..
D* MQCFST Structure
D*
D* Structure type
D STTYP          1      4I 0
D* Structure length
D STLEN          5      8I 0
D* Parameter identifier
D STPRM          9      12I 0
D* Coded character set identifier
D STCSI          13     16I 0
D* Length of string
D STSTL          17     20I 0
```

S/390 assembler-language declaration

```
MQCFST          DSECT
MQCFST_TYPE     DS    F      Structure type
MQCFST_STRUCLNGTH DS    F      Structure length
MQCFST_PARAMETER DS    F      Parameter identifier
MQCFST_CODEDCHARSETID DS    F      Coded character set
*              identifier
MQCFST_STRINGLENGTH DS    F      Length of string
MQCFST_LENGTH   EQU    *-MQCFST Length of structure
                ORG    MQCFST
MQCFST_AREA     DS    CL(MQCFST_LENGTH)
```

Visual Basic language declaration

```
Type MQCFST
  Type As Long      ' Structure type
  StrucLength As Long ' Structure length
  Parameter As Long ' Parameter identifier
  CodedCharSetId As Long ' Coded character set identifier
  StringLength As Long ' Length of string
End Type
```

MQEPH - Embedded PCF header

Use this page to view the structure of an MQEPH embedded PCF header and the declarations for the following programming languages: C, COBOL, PL/I, RPG/ILE, S/390 assembler, and Visual Basic

The MQEPH structure describes the additional data that is present in a message when that message is a programmable command format (PCF) message. Following the links to the declarations is a description of the fields making up the MQEPH structure:

- [C language](#)
- [COBOL language](#)
- [PL/I language \(z/OS only\)](#)
- [RPG/ILE language \(IBM i only\)](#)
- [S/390 assembler-language \(z/OS only\)](#)
- [Visual Basic language \(Windows only\)](#)

The additional data consists of the MQEPH structure followed by an array of PCF parameter structures. To include the MQEPH structure in a message, the *Format* parameter in the message descriptor is set to MQFMT_EMBEDDED.

StrucId

Description:	Structure identifier.
Data type:	MQCHAR4.
Value:	MQEPH_STRUC_ID Identifier for distribution header structure.

Version

Description:	Structure version number.
Data type:	MQLONG.
Value:	MQEPH_VERSION_1 Version number for embedded PCF header structure.

StrucLength

Description:	Structure length. This is the length in bytes of the MQEPH structure and is set to the amount of data preceding the next header structure.
Data type:	MQLONG.

Encoding

Description:	Numeric encoding. This specifies the numeric encoding of the data that follows the last PCF parameter structure.
Data type:	MQLONG.

CodedCharSetId

Description:	Coded character set identifier. This specifies the coded character set identifier of the data that follows the last PCF parameter structure.
Data type:	MQLONG.

Format

Description:	Format. This specifies the format name of the data that follows the last PCF parameter structure.
Data type:	MQCHAR8.

Flags

Description:	Flags. This is a reserved field.
Data type:	MQLONG.

Value: **MQEPH_NONE**
No flags have been specified.

MQEPH_CCSID_EMBEDDED

The character set of the parameters containing character data is specified individually within the CodedCharSetId field in each structure. The character set of the StrucId and Format fields is defined by the CodedCharSetId field in the header structure that precedes the MQEPH structure, or by the CodedCharSetId field in the MQMD if the MQEPH is at the start of the message.

PCFHeader

Description:	Command format header.
Data type:	MQCFH.

C language declaration

```
struct tagMQEPH {
    MQCHAR4 StrucId;           /* Structure identifier */
    MQLONG  Version;          /* Structure version number */
    MQLONG  StrucLength;      /* Structure length */
    MQLONG  Encoding;         /* Numeric encoding */
    MQLONG  CodedCharSetId;   /* Coded character set identifier */
    MQCHAR8 Format;           /* Data format */
    MQLONG  Flags;            /* Flags */
    MQCFH   PCFHeader;        /* PCF header */
} MQEPH;
```

COBOL language declaration

```
** MQEPH structure
10 MQEPH.
**   Structure identifier
15 MQEPH-STRUCID      PIC X(4).
**   Structure version number
15 MQEPH-VERSION     PIC S9(9) BINARY.
**   Structure length
15 MQEPH-STRUCLNGTH  PIC S9(9) BINARY.
**   Numeric encoding
15 MQEPH-ENCODING    PIC S9(9) BINARY.
**   Coded character set identifier
15 MQEPH-CODEDCHARSETID PIC S9(9) BINARY.
**   Data format
15 MQEPH-FORMAT      PIC X(8).
**   Flags
15 MQEPH-FLAGS       PIC S9(9) BINARY.
**   PCF header
15 MQEPH-PCFHEADER.
**   Structure type
20 MQEPH-PCFHEADER-TYPE PIC S9(9) BINARY.
**   Structure length
```

```

20 MQEPH-PCFHEADER-STRUCLength PIC S9(9) BINARY.
** Structure version number
20 MQEPH-PCFHEADER-VERSION PIC S9(9) BINARY.
** Command identifier
20 MQEPH-PCFHEADER-COMMAND PIC S9(9) BINARY.
** Message sequence number
20 MQEPH-PCFHEADER-MSGSEQNUMBER PIC S9(9) BINARY.
** Control options
20 MQEPH-PCFHEADER-CONTROL PIC S9(9) BINARY.
** Completion code
20 MQEPH-PCFHEADER-COMPCODE PIC S9(9) BINARY.
** Reason code qualifying completion code
20 MQEPH-PCFHEADER-REASON PIC S9(9) BINARY.
** Count of parameter structures
20 MQEPH-PCFHEADER-PARAMETERCOUNT PIC S9(9) BINARY.

```

PL/I language declaration (z/OS and Windows)

```

dcl
1 MQEPH based,
3 StrucId char(4), /* Structure identifier */
3 Version fixed bin(31), /* Structure version number */
3 StrucLength fixed bin(31), /* Structure length */
3 Encoding fixed bin(31), /* Numeric encoding */
3 CodedCharSetId fixed bin(31), /* Coded character set identifier */
3 Format char(8), /* Data format */
3 Flags fixed bin(31), /* Flags */
3 PCFHeader, /* PCF header */
5 Type fixed bin(31), /* Structure type */
5 StrucLength fixed bin(31), /* Structure length */
5 Version fixed bin(31), /* Structure version number */
5 Command fixed bin(31), /* Command identifier */
5 MsgSeqNumber fixed bin(31), /* Message sequence number */
5 Control fixed bin(31), /* Control options */
5 CompCode fixed bin(31), /* Completion code */
5 Reason fixed bin(31), /* Reason code qualifying completion
code */
5 ParameterCount fixed bin(31); /* Count of parameter structures */

```

RPG language declaration (IBM i only)

```

D*.1....:....2....:....3....:....4....:....5....:....6....:....7..
D* MQEPH Structure
D*
D* Structure identifier
D EPSID 1 4 INZ('EPH ')
D* Structure version number
D EPVER 5 8I 0 INZ(1)
D* Structure length
D EPLEN 9 12I 0 INZ(68)
D* Numeric encoding
D EPENC 13 16I 0 INZ(0)
D* Coded character set identifier
D EPCSI 17 20I 0 INZ(0)
D* Format name
D EPFMT 21 28I 0 INZ(' ')
D* Flags
D EPFLG 29 32I 0 INZ(0)
D* Programmable Command Format Header
D*
D* Structure type
D EP1TYPE 33 36I 0 INZ(0)
D* Structure length
D EP1LEN 37 40I 0 INZ(36)
D* Structure version number
D EP1VER 41 44I 0 INZ(3)
D* Command identifier
D EP1CMD 45 48I 0 INZ(0)
D* Message sequence number
D EP1SEQ 49 52I 0 INZ(1)
D* Control options
D EP1CTL 53 56I 0 INZ(1)
D* Completion code
D EP1CMP 57 60I 0 INZ(0)

```

```

D* Reason code qualifying completion code
D EP1REA          61      64I 0 INZ(0)
D* Count of parameter structures
D EP1CNT          65      68I 0 INZ(0)

```

S/390 assembler-language declaration (z/OS only)

```

MQEPH                                DSECT
MQEPH_STRUCID                        DS    CL4      Structure identifier
MQEPH_VERSION                        DS    F        Structure version number
MQEPH_STRUCLength                    DS    F        Structure length
MQEPH_ENCODING                       DS    F        Numeric encoding
MQEPH_CODEDCHARSETID                DS    F        Coded character set identifier
MQEPH_FORMAT                         DS    CL8      Data format
MQEPH_FLAGS                          DS    F        Flags
MQEPH_PCFHEADER                     DS    0F       Force fullword alignment
MQEPH_PCFHEADER_TYPE                 DS    F        Structure type
MQEPH_PCFHEADER_STRUCLength          DS    F        Structure length
MQEPH_PCFHEADER_VERSION              DS    F        Structure version number
MQEPH_PCFHEADER_COMMAND              DS    F        Command identifier
MQEPH_PCFHEADER_MSGSEQNUMBER         DS    F        Message sequence number
MQEPH_PCFHEADER_CONTROL              DS    F        Control options
MQEPH_PCFHEADER_COMPCODE             DS    F        Completion code
MQEPH_PCFHEADER_REASON               DS    F        Reason code qualifying completion code
MQEPH_PCFHEADER_PARAMETERCOUNT      DS    F        Count of parameter structures
MQEPH_PCFHEADER_LENGTH               EQU    *-MQEPH_PCFHEADER
                                      ORG    MQEPH_PCFHEADER
MQEPH_PCFHEADER_AREA                 DS    CL(MQEPH_PCFHEADER_LENGTH)
*
MQEPH_LENGTH                         EQU    *-MQEPH
                                      ORG    MQEPH
MQEPH_AREA                           DS    CL(MQEPH_LENGTH)

```

Visual Basic language declaration (Windows only)

```

Type MQEPH
  StructId As String*4      'Structure identifier
  Version As Long           'Structure version number
  StructLength As Long      'Structure length
  Encoding As Long         'Numeric encoding
  CodedCharSetId As Long   'Coded characetr set identifier
  Format As String*8        'Format name
  Flags As Long            'Flags
  Reason As Long           'Reason code qualifying completion code
  PCFHeader As MQCFH       'PCF header
End Type

```

Object attributes for event data

Use this page to view the object attributes that WebSphere MQ monitoring techniques can include in the configuration event data recorded in event messages. The amount of event data depends on the type of object to which the configuration event relates.

- [“Authentication information attributes” on page 75](#)
- [“CF structure attributes” on page 75](#)
- [“Communication information attributes” on page 76](#)
- [“Channel attributes” on page 78](#)
- [“Channel authentication attributes” on page 84](#)
- [“Listener attributes” on page 85](#)
- [“Namelist attributes” on page 86](#)
- [“Process attributes” on page 87](#)
- [“Queue attributes” on page 87](#)
- [“Queue manager attributes” on page 93](#)

- [“Storage class attributes” on page 103](#)
- [“Topic attributes” on page 104](#)

Authentication information attributes

Event messages relating to objects can include authentication information attributes

AlterationDate (MQCFST)

Alteration date (parameter identifier: MQCA_ALTERATION_DATE).

The date when the information was last altered.

AlterationTime (MQCFST)

Alteration time (parameter identifier: MQCA_ALTERATION_TIME).

The time when the information was last altered.

AuthInfoConnName (MQCFST)

Authentication information connection name (parameter identifier: MQCA_AUTH_INFO_CONN_NAME).

The maximum length of the string is 48.

AuthInfoDesc (MQCFST)

Authentication information description (parameter identifier: MQCA_AUTH_INFO_DESC).

The maximum length of the string is MQ_AUTH_INFO_DESC_LENGTH.

AuthInfoType (MQCFIN)

Authentication information type (parameter identifier: MQIA_AUTH_INFO_TYPE).

The value is MQAIT_CRL_LDAP.

LDAPPassword (MQCFST)

LDAP password (parameter identifier: MQCA_LDAP_PASSWORD).

The maximum length of the string is MQ_LDAP_PASSWORD_LENGTH.

LDAPUserName (MQCFST)

LDAP user name (parameter identifier: MQCA_LDAP_USER_NAME).

The maximum length of the string is 256.

CF structure attributes

Event messages relating to objects can include CF structure attributes

AlterationDate (MQCFST)

Alteration date (parameter identifier: MQCA_ALTERATION_DATE).

The date when the information was last altered.

AlterationTime (MQCFST)

Alteration time (parameter identifier: MQCA_ALTERATION_TIME).

The time when the information was last altered.

CFLevel (MQCFIN)

CF level (parameter identifier: MQIA_CF_LEVEL).

CFStrucDesc (MQCFST)

CF Structure description (parameter identifier: MQCA_CF_STRUC_DESC).

The maximum length of the string is MQCA_CF_STRUC_DESC_LENGTH.

Recovery (MQCFIN)

Recovery (parameter identifier: MQIA_CF_RECOVER).

Communication information attributes

AlterationDate (MQCFST)

Alteration date (parameter identifier: MQCA_ALTERATION_DATE).

The date when the information was last altered, in the form yyyy-mm-dd.

AlterationTime (MQCFST)

Alteration time (parameter identifier: MQCA_ALTERATION_TIME).

The time when the information was last altered, in the form hh.mm.ss.

Bridge (MQCFIN)

Bridge (parameter identifier: MQIA_MCAST_BRIDGE).

Specifies whether publications from applications not using Multicast are bridged to applications using multicast.

The value can be:

MQMCB_DISABLED

Bridging is disabled.

MQMCB_ENABLED

Bridging is enabled.

CCSID (MQCFIN)

Coded character set identifier (parameter identifier: MQIA_CODED_CHAR_SET_ID).

The CCSID that messages are transmitted on.

CommEvent (MQCFIN)

Communication event (parameter identifier: MQIA_COMM_EVENT).

Controls whether event messages are generated for multicast handles that are created using this COMMINFO object.

The value can be:

MQEVR_DISABLED

Event messages are not generated.

MQEVR_ENABLED

Event messages are generated.

MQEVR_EXCEPTION

Event messages are generated if the message reliability is below the reliability threshold.

CommInfoName (MQCFST)

Communication information name (parameter identifier: MQCA_COMM_INFO_NAME).

The name of the administrative communication information definition about which information is to be returned.

Description (MQCFST)

Description (parameter identifier: MQCA_COMM_INFO_DESC).

Plain-text comment that provides descriptive information about the communication information object.

Encoding (MQCFIN)

Encoding (parameter identifier: MQIACF_ENCODING).

The encoding that the messages are transmitted in.

The value can be:

MQENC_AS_PUBLISHED

MQENC_NORMAL

MQENC_REVERSED

MQENC_S390**MQENC_TNS****GrpAddress (MQCFST)**

Group address (parameter identifier: MQCACH_GROUP_ADDRESS).

The group IP address or DNS name.

MonitorInterval (MQCFIN)

Frequency of monitoring (parameter identifier: MQIA_MONITOR_INTERVAL).

How frequently, in seconds, monitoring information is updated and event messages are generated.

MulticastHeartbeat (MQCFIN)

Multicast heartbeat (parameter identifier: MQIACH_MC_HB_INTERVAL).

Heartbeat interval measured in milliseconds.

MulticastPropControl (MQCFIN)

Multicast properties control (parameter identifier: MQIACH_MULTICAST_PROPERTIES).

Controls how many of the MQMD properties and user properties flow with the message.

The value can be:

MQMCP_ALL

All properties are transmitted.

MQMCP_REPLY

Only user properties and MQMD fields that deal with replying to the messages are transmitted.

MQMCP_USER

Only user properties are transmitted.

MQMCP_NONE

No properties are transmitted.

MQMCP_COMPAT

Properties are transmitted in a format compatible with previous WebSphere MQ multicast clients.

MsgHistory (MQCFIN)

Message history (parameter identifier: MQIACH_MSG_HISTORY).

The amount of message history in kilobytes that is kept by the system to handle retransmissions in the case of NACKs.

NewSubHistory (MQCFIN)

New Subscriber History (parameter identifier: MQIACH_NEW_SUBSCRIBER_HISTORY).

Controls how much historical data a new subscriber receives. The value can be:

MQNSH_NONE

Only publications from the time of the subscription are sent.

MQNSH_ALL

As much history as is known is retransmitted.

PortNumber (MQCFIN)

Port Number (parameter identifier: MQIACH_PORT).

The port number to transmit on.

Type (MQCFIN)

Type (parameter identifier: MQIA_COMM_INFO_TYPE).

The type of the communications information object.

Channel attributes

Event messages relating to objects can include channel attributes

Only those attributes that apply to the type of channel in question are included in the event data.

AlterationDate (MQCFST)

Alteration date (parameter identifier: MQCA_ALTERATION_DATE).

The date when the information was last altered.

AlterationTime (MQCFST)

Alteration time (parameter identifier: MQCA_ALTERATION_TIME).

The time when the information was last altered.

BatchHeartbeat (MQCFIN)

The value being used for the batch heartbeating (parameter identifier: MQIACH_BATCH_HB).

The value can be in the range 0 through 999999. A value of 0 indicates heartbeating is not in use.

BatchInterval (MQCFIN)

Batch interval (parameter identifier: MQIACH_BATCH_INTERVAL).

BatchSize (MQCFIN)

Batch size (parameter identifier: MQIACH_BATCH_SIZE).

ChannelDesc (MQCFST)

Channel description (parameter identifier: MQCACH_DESC).

The maximum length of the string is MQ_CHANNEL_DESC_LENGTH.

ChannelMonitoring (MQCFIN)

Level of monitoring data collection for the channel (parameter identifier: MQIA_MONITORING_CHANNEL).

The value can be:

MQMON_OFF

Monitoring data collection is turned off.

MQMON_LOW

Monitoring data collection is turned on with a low ratio of data collection.

MQMON_MEDIUM

Monitoring data collection is turned on with a medium ratio of data collection.

MQMON_HIGH

Monitoring data collection is turned on with a high ratio of data collection.

MQMON_Q_MGR

The level of monitoring data collected is based on the queue manager attribute *ChannelMonitoring*.

ChannelName (MQCFST)

Channel name (parameter identifier: MQCACH_CHANNEL_NAME).

The maximum length of the string is MQ_CHANNEL_NAME_LENGTH.

ChannelStatistics (MQCFIN)

Level of statistics data collection for the channel (parameter identifier: MQIA_STATISTICS_CHANNEL).

The value can be any of the following values:

MQMON_OFF

Statistics data collection is turned off.

MQMON_LOW

Statistics data collection is turned on with a low ratio of data collection.

MQMON_MEDIUM

Statistics data collection is turned on with a medium ratio of data collection.

MQMON_HIGH

Statistics data collection is turned on with a high ratio of data collection.

MQMON_Q_MGR

The level of statistics data collected is based on the queue manager attribute **ChannelStatistics**.

ChannelType (MQCFIN)

Channel type (parameter identifier: MQIACH_CHANNEL_TYPE).

The value can be:

MQCHT_SENDER

Sender.

MQCHT_SERVER

Server.

MQCHT_RECEIVER

Receiver.

MQCHT_REQUESTER

Requester.

MQCHT_SVRCONN

Server-connection (for use by clients).

MQCHT_CLNTCONN

Client connection.

MQCHT_CLUSRCVR

Cluster-receiver.

MQCHT_CLUSSDR

Cluster-sender.

CipherSpec (MQCFST)

SSL cipher specification (parameter identifier: MQCACH_SSL_CIPHER_SPEC).

The maximum length of the string is MQ_SSL_CIPHER_SPEC_LENGTH.

ClusterName (MQCFST)

Cluster name (parameter identifier: MQCA_CLUSTER_NAME).

ClusterNameList (MQCFST)

Cluster namelist (parameter identifier: MQCA_CLUSTER_NAMELIST).

CLWLChannelPriority (MQCFIN)

Cluster workload channel priority (parameter identifier: MQIACH_CLWL_CHANNEL_PRIORITY).

CLWLChannelRank (MQCFIN)

Cluster workload channel rank (parameter identifier: MQIACH_CLWL_CHANNEL_RANK).

CLWLChannelWeight (MQCFIN)

Cluster workload channel weight (parameter identifier: MQIACH_CLWL_CHANNEL_WEIGHT).

ConnectionName (MQCFST)

Connection name (parameter identifier: MQCACH_CONNECTION_NAME).

The maximum length of the string is MQ_CONN_NAME_LENGTH.

DataConversion (MQCFIN)

Whether sender should convert application data (parameter identifier: MQIACH_DATA_CONVERSION).

The value can be:

MQCDC_NO_SENDER_CONVERSION

No conversion by sender.

MQCDC_SENDER_CONVERSION

Conversion by sender.

DiscInterval (MQCFIN)

Disconnection interval (parameter identifier: MQIACH_DISC_INTERVAL).

HeaderCompression (MQCFIL)

Header data compression techniques supported by the channel (parameter identifier: MQIACH_HDR_COMPRESSION).

For sender, server, cluster-sender, cluster-receiver, and client-connection channels, the values specified are in order of preference.

The value can be one, or more, of the following:

MQCOMPRESS_NONE

No header data compression is performed.

MQCOMPRESS_SYSTEM

Header data compression is performed.

HeartbeatInterval (MQCFIN)

Heartbeat interval (parameter identifier: MQIACH_HB_INTERVAL).

KeepAliveInterval (MQCFIN)

Keep alive interval (parameter identifier: MQIACH_KEEP_ALIVE_INTERVAL).

LocalAddress (MQCFST)

Local communications address for the channel (parameter identifier: MQCACH_LOCAL_ADDRESS).

The maximum length of the string is MQ_LOCAL_ADDRESS_LENGTH.

LongRetryCount (MQCFIN)

Long retry count (parameter identifier: MQIACH_LONG_RETRY).

LongRetryInterval (MQCFIN)

Long timer (parameter identifier: MQIACH_LONG_TIMER).

MaxMsgLength (MQCFIN)

Maximum message length (parameter identifier: MQIACH_MAX_MSG_LENGTH).

MCAName (MQCFST)

Message channel agent name (parameter identifier: MQCACH_MCA_NAME).

The maximum length of the string is MQ_MCA_NAME_LENGTH.

MCAType (MQCFIN)

Message channel agent type (parameter identifier: MQIACH_MCA_TYPE).

The value can be:

MQMCAT_PROCESS

Process

MQMCAT_THREAD

Thread

MCAUserIdentifier (MQCFST)

Message channel agent user identifier (parameter identifier: MQCACH_MCA_USER_ID).

The maximum length of the MCA user identifier is MQ_MCA_USER_ID_LENGTH.

MessageCompression (MQCFIL)

Message data compression techniques supported by the channel (parameter identifier: MQIACH_MSG_COMPRESSION).

For sender, server, cluster-sender, cluster-receiver, and client-connection channels, the values specified are in order of preference.

The value can be one, or more, of:

MQCOMPRESS_NONE

No message data compression is performed. This is the default value.

MQCOMPRESS_RLE

Message data compression is performed using run-length encoding.

MQCOMPRESS_ZLIBFAST

Message data compression is performed using ZLIB encoding with speed prioritized.

MQCOMPRESS_ZLIBHIGH

Message data compression is performed using ZLIB encoding with compression prioritized.

MQCOMPRESS_ANY

Any compression technique supported by the queue manager can be used. This is only valid for receiver, requester, and server-connection channels.

ModeName (MQCFST)

Mode name (parameter identifier: MQCACH_MODE_NAME).

The maximum length of the string is MQ_MODE_NAME_LENGTH.

MsgExit (MQCFSL)

Message exit name (parameter identifier: MQCACH_MSG_EXIT_NAME).

The number of names in the list is given by the *Count* field in the MQCFSL structure. It will be the same as the *Count* for *MsgUserData*. It may exceed the number of exit names specified for the channel, in which case the excess names are blank; the minimum is 1. The length of each name is given by the *StringLength* field in that structure.

The maximum length of the exit name is MQ_EXIT_NAME_LENGTH.

MsgRetryCount (MQCFIN)

Message retry count (parameter identifier: MQIACH_MR_COUNT).

Specifies the number of times that a failing message should be retried.

This parameter is only valid for receiver, cluster-receiver, and requester channels.

MsgRetryExit (MQCFST)

Message retry exit name (parameter identifier: MQCACH_MR_EXIT_NAME).

This parameter is only valid for receiver, cluster-receiver, and requester channels.

The maximum length of the string is MQ_MAX_EXIT_NAME_LENGTH.

MsgRetryInterval (MQCFIN)

Message retry interval (parameter identifier: MQIACH_MR_INTERVAL).

Specifies the minimum time interval in milliseconds between retries of failing messages.

This parameter is only valid for receiver, cluster-receiver, and requester channels.

MsgRetryUserData (MQCFST)

Message retry exit user data (parameter identifier: MQCACH_MR_EXIT_USER_DATA).

Specifies user data that is passed to the message retry exit.

This parameter is only valid for receiver, cluster-receiver, and requester channels.

The maximum length of the string is MQ_EXIT_DATA_LENGTH.

MsgUserData (MQCFSL)

Message exit user data (parameter identifier: MQCACH_MSG_EXIT_USER_DATA).

The number of names in the list is given by the *Count* field in the MQCFSL structure. It will be the same as the count for *MsgExit*. The length of each name is given by the *StringLength* field in that structure.

The maximum length of the string is MQ_EXIT_DATA_LENGTH.

NetworkPriority (MQCFIN)

Network priority (parameter identifier: MQIACH_NETWORK_PRIORITY).

NonPersistentMsgSpeed (MQCFIN)

Speed at which nonpersistent messages are to be sent (parameter identifier: MQIACH_NPM_SPEED).

The value can be:

MQNPMS_NORMAL

Normal speed.

MQNPMS_FAST

Fast speed.

Password (MQCFST)

Password (parameter identifier: MQCACH_PASSWORD).

The maximum length of the string is MQ_PASSWORD_LENGTH.

PeerName (MQCFST)

SSL peer name (parameter identifier: MQCACH_SSL_PEER_NAME).

The maximum length of the string is 256.

PutAuthority (MQCFIN)

Put authority (parameter identifier: MQIACH_PUT_AUTHORITY).

The value can be:

MQPA_DEFAULT

Default user identifier is used.

MQPA_CONTEXT

Context user identifier is used.

MQPA_ALTERNATE_OR_MCA

Alternate or MCA user identifier is used.

MQPA_ONLY_MCA

Only MCA user identifier is used.

QMgrName (MQCFST)

Queue manager name (parameter identifier: MQCA_Q_MGR_NAME).

The maximum length of the string is MQ_Q_MGR_NAME_LENGTH.

ReceiveExit (MQCFSL)

Receive exit name (parameter identifier: MQCACH_RCV_EXIT_NAME).

The number of names in the list is given by the *Count* field in the MQCFSL structure. It will be the same as the *Count* for *ReceiveUserData*. It may exceed the number of exit names specified for the channel, in which case the excess names are blank; the minimum is 1. The length of each name is given by the *StringLength* field in that structure.

For a client-connection channel the maximum length of the exit name is MQ_MAX_EXIT_NAME_LENGTH. For all other channels, the maximum length of the exit name is MQ_EXIT_NAME_LENGTH.

ReceiveUserData (MQCFSL)

Receive exit user data (parameter identifier: MQCACH_RCV_EXIT_USER_DATA).

The number of names in the list is given by the *Count* field in the MQCFSL structure. It will be the same as the count for *ReceiveExit*. The length of each name is given by the *StringLength* field in that structure.

The maximum length of the string is MQ_EXIT_DATA_LENGTH.

SecurityExit (MQCFST)

Security exit name (parameter identifier: MQCACH_SEC_EXIT_NAME).

For a client-connection channel the maximum length of the exit name is MQ_MAX_EXIT_NAME_LENGTH. For all other channels, the maximum length of the exit name is MQ_EXIT_NAME_LENGTH.

SecurityUserData (MQCFST)

Security exit user data (parameter identifier: MQCACH_SEC_EXIT_USER_DATA).

The maximum length of the string is MQ_EXIT_DATA_LENGTH.

SendExit (MQCFSL)

Send exit name (parameter identifier: MQCACH_SEND_EXIT_NAME).

The number of names in the list is given by the *Count* field in the MQCFSL structure. It will be the same as the *Count* for *SendUserData*. It may exceed the number of exit names specified for the channel, in which case the excess names are blank; the minimum is 1. The length of each name is given by the *StringLength* field in that structure.

For a client-connection channel the maximum length of the exit name is MQ_MAX_EXIT_NAME_LENGTH. For all other channels, the maximum length of the exit name is MQ_EXIT_NAME_LENGTH.

SendUserData (MQCFSL)

Send exit user data (parameter identifier: MQCACH_SEND_EXIT_USER_DATA).

The number of names in the list is given by the *Count* field in the MQCFSL structure. It will be the same as the count for *SendExit*. The length of each name is given by the *StringLength* field in that structure.

The maximum length of the string is MQ_EXIT_DATA_LENGTH.

SeqNumberWrap (MQCFIN)

Sequence wrap number (parameter identifier: MQIACH_SEQUENCE_NUMBER_WRAP).

ShortRetryCount (MQCFIN)

Short retry count (parameter identifier: MQIACH_SHORT_RETRY).

ShortRetryInterval (MQCFIN)

Short timer (parameter identifier: MQIACH_SHORT_TIMER).

SSLClientAuthentication (MQCFIN)

SSL client authentication (parameter identifier: MQIACH_SSL_CLIENT_AUTH).

The value can be:

MQSCA_REQUIRED

Certificate required.

MQSCA_OPTIONAL

Certificate optional.

TpName (MQCFST)

Transaction program name (parameter identifier: MQCACH_TP_NAME).

The maximum length of the string is MQ_TP_NAME_LENGTH.

TransportType (MQCFIN)

Transmission protocol type (parameter identifier: MQIACH_XMIT_PROTOCOL_TYPE).

The value may be:

MQXPT_LU62

LU 6.2.

MQXPT_TCP

TCP.

MQXPT_NETBIOS

NetBIOS.

MQXPT_SPX

SPX.

UserIdentifier (MQCFST)

Task user identifier (parameter identifier: MQCACH_USER_ID).

The maximum length of the string is MQ_USER_ID_LENGTH.

XmitQName (MQCFST)

Transmission queue name (parameter identifier: MQCACH_XMIT_Q_NAME).

The maximum length of the string is MQ_Q_NAME_LENGTH.

Channel authentication attributes

Event messages relating to objects can include channel authentication attributes

Only those attributes that apply to the type of channel in question are included in the event data.

ChannelProfile (MQCFST).

Channel Profile (parameter identifier: MQCACH_CHANNEL_NAME).

Maximum length is MQ_CHANNEL_NAME_LENGTH.

Returned: Always.

ChannelAuthType (MQCFIN).

Channel Authentication Type (parameter identifier: MQIACF_CHLAUTH_TYPE).

Returned: Always.

Warning (MQCFIN).

Warning (parameter identifier: MQIACH_WARNING).

Returned: Always.

connectionNameList (MQCFSL).

Connection Name List (parameter identifier: MQCACH_CONNECTION_NAME_LIST).

Element length: MQ_CONN_NAME_LENGTH.

Returned: Only when Channel Auth Type is MQAUT_BLOCKADDR.

MCAUserIdList (MQCFSL).

MCA User Id List (parameter identifier: MQCACH_MCA_USER_ID_LIST).

Element length: MQ_MCA_USER_ID_LENGTH

Returned: Only when Channel Auth Type is MQAUT_BLOCKUSER

MCAUser (MQCFST).

MCA User (parameter identifier: MQCACH_MCA_USER_ID).

Maximum length: MQ_MCA_USER_ID_LENGTH.

Returned: Only when Channel Auth Type is of a mapping type (MQCAUT_SSLPEERMAP, MQCAUT_ADDRESSMAP, MQCAUT_USERMAP or MQCAUT_QMGRMAP).

ConnectionName (MQCFST).

Connection Name (parameter identifier: MQCACH_CONNECTION_NAME).

Maximum length: MQ_CONN_NAME_LENGTH

Returned: Only when Channel Auth Type is of a mapping type (MQCAUT_SSLPEERMAP, MQCAUT_ADDRESSMAP, MQCAUT_USERMAP or MQCAUT_QMGRMAP).

UserSource (MQCFIN).

User Source (parameter identifier: MQIACH_USER_SOURCE).

Returned: Only when Channel Auth Type is of a mapping type (MQCAUT_SSLPEERMAP, MQCAUT_ADDRESSMAP, MQCAUT_USERMAP or MQCAUT_QMGRMAP).

SSLPeerName (MQCFST).

SSL Peer Name (parameter identifier: MQCACH_SSL_PEER_NAME).

Maximum length: MQ_SSL_PEER_NAME_LENGTH.

Returned: Only when Channel Auth Type is MQCAUT_SSLPEERMAP.

ClientUserId (MQCFST).

Client User Id (parameter identifier: MQCACH_CLIENT_USER_ID).

Maximum length: MQ_MCA_USER_ID_LENGTH.

Returned: Only when Channel Auth Type is MQCAUT_USERMAP.

RemoteQueueManagerName (MQCFST).

Remote Queue Manager Name (parameter identifier: MQCA_REMOTE_Q_MGR_NAME).

Maximum length: MQ_Q_MGR_NAME_LENGTH.

Returned: Only when Channel Auth Type is MQCAUT_QMGRMAP.

Listener attributes

AlterationDate (MQCFST)

Alteration date (parameter identifier: MQCA_ALTERATION_DATE).

The date, in the form yyyy-mm-dd, on which the information was last altered.

AlterationTime (MQCFST)

Alteration time (parameter identifier: MQCA_ALTERATION_TIME).

The time, in the form hh.mm.ss, at which the information was last altered.

Adapter (MQCIN)

Adapter number (parameter identifier: MQIACH_ADAPTER).

The adapter number on which NetBIOS listens. This parameter is valid only on Windows.

Backlog (MQCIN)

Backlog (parameter identifier: MQIACH_BACKLOG).

The number of concurrent connection requests that the listener supports.

Commands (MQCIN)

Adapter number (parameter identifier: MQIACH_COMMAND_COUNT).

The number of commands that the listener can use. This parameter is valid only on Windows.

IPAddress (MQCFST)

IP address (parameter identifier: MQCACH_IP_ADDRESS).

IP address for the listener specified in IPv4 dotted decimal, IPv6 hexadecimal notation, or alphanumeric host name form.

ListenerDesc (MQCFST)

Description of listener definition (parameter identifier: MQCACH_LISTENER_DESC).

ListenerName (MQCFST)

Name of listener definition (parameter identifier: MQCACH_LISTENER_NAME).

LocalName (MQCFST)

NetBIOS local name (parameter identifier: MQCACH_LOCAL_NAME).

The NetBIOS local name that the listener uses. This parameter is valid only on Windows.

NetbiosNames (MQCFIN)

NetBIOS names (parameter identifier: MQIACH_NAME_COUNT).

The number of names that the listener supports. This parameter is valid only on Windows.

Port (MQCFIN)

Port number (parameter identifier: MQIACH_PORT).

The port number for TCP/IP. This parameter is valid only if the value of TransportType is MQXPT_TCP.

Sessions (MQCFIN)

NetBIOS sessions (parameter identifier: MQIACH_SESSION_COUNT).

The number of sessions that the listener can use. This parameter is valid only on Windows.

Socket (MQCFIN)

SPX socket number (parameter identifier: MQIACH_SOCKET).

The SPX socket on which to listen. This parameter is valid only if the value of TransportType is MQXPT_SPX.

StartMode (MQCFIN)

Service mode (parameter identifier: MQIACH_LISTENER_CONTROL).

Specifies how the listener is to be started and stopped. The value can be:

MQSVC_CONTROL_MANUAL

The listener is started and stopped manually, by user command.

MQSVC_CONTROL_Q_MGR

The listener is started and stopped when the queue manager starts and stops.

MQSVC_CONTROL_Q_MGR_START

The listener is started when the queue manager starts, but does not stop when the queue manager stops.

TPName (MQCFST)

Transaction program name (parameter identifier: MQCACH_TP_NAME).

The LU 6.2 transaction program name. This parameter is valid only on Windows.

TransportType (MQCFIN)

Transmission protocol (parameter identifier: MQIACH_XMIT_PROTOCOL_TYPE).

The value can be:

MQXPT_TCP

TCP

MQXPT_LU62

LU 6.2

MQXPT_NETBIOS

NetBIOS

MQXPT_SPX

SPX

Namelist attributes

Event messages relating to objects can include namelist attributes

AlterationDate (MQCFST)

Alteration date (parameter identifier: MQCA_ALTERATION_DATE).

The date when the information was last altered.

AlterationTime (MQCFST)

Alteration time (parameter identifier: MQCA_ALTERATION_TIME).

The time when the information was last altered.

NameCount (MQCFIN)

Number of names in the namelist (parameter identifier: MQIA_NAME_COUNT).

The number of names contained in the namelist.

***NamelistDesc* (MQCFST)**

Description of namelist definition (parameter identifier: MQCA_NAMELIST_DESC).

The maximum length of the string is MQ_NAMELIST_DESC_LENGTH.

***NamelistName* (MQCFST)**

The name of the namelist definition (parameter identifier: MQCA_NAMELIST_NAME).

The maximum length of the string is MQ_NAMELIST_NAME_LENGTH.

***NamelistType* (MQCFIN)**

Namelist type (parameter identifier: MQIA_NAMELIST_TYPE).

***Names* (MQCFSL)**

The names contained in the namelist (parameter identifier: MQCA_NAMES).

The number of names in the list is given by the *Count* field in the MQCFSL structure. The length of each name is given by the *StringLength* field in that structure. The maximum length of a name is MQ_OBJECT_NAME_LENGTH.

Process attributes

Event messages relating to objects can include process attributes

***AlterationDate* (MQCFST)**

Alteration date (parameter identifier: MQCA_ALTERATION_DATE).

The date when the information was last altered.

***AlterationTime* (MQCFST)**

Alteration time (parameter identifier: MQCA_ALTERATION_TIME).

The time when the information was last altered.

***ApplId* (MQCFST)**

Application identifier (parameter identifier: MQCA_APPL_ID).

The maximum length of the string is MQ_PROCESS_APPL_ID_LENGTH.

***ApplType* (MQCFIN)**

Application type (parameter identifier: MQIA_APPL_TYPE).

***EnvData* (MQCFST)**

Environment data (parameter identifier: MQCA_ENV_DATA).

The maximum length of the string is MQ_PROCESS_ENV_DATA_LENGTH.

***ProcessDesc* (MQCFST)**

Description of process definition (parameter identifier: MQCA_PROCESS_DESC).

The maximum length of the string is MQ_PROCESS_DESC_LENGTH.

***ProcessName* (MQCFST)**

The name of the process definition (parameter identifier: MQCA_PROCESS_NAME).

The maximum length of the string is MQ_PROCESS_NAME_LENGTH.

***UserData* (MQCFST)**

User data (parameter identifier: MQCA_USER_DATA).

The maximum length of the string is MQ_PROCESS_USER_DATA_LENGTH.

Queue attributes

Event messages relating to objects can include queue attributes

Only those attributes that apply to the type of queue in question are included in the event data.

***AlterationDate* (MQCFST)**

Alteration date (parameter identifier: MQCA_ALTERATION_DATE).

The date when the information was last altered.

AlterationTime (MQCFST)

Alteration time (parameter identifier: MQCA_ALTERATION_TIME).

The time when the information was last altered.

BackoutRequeueName (MQCFST)

Excessive backout requeue name (parameter identifier: MQCA_BACKOUT_REQ_Q_NAME).

The maximum length of the string is MQ_Q_NAME_LENGTH.

BackoutThreshold (MQCFIN)

Backout threshold (parameter identifier: MQIA_BACKOUT_THRESHOLD).

BaseQName (MQCFST)

Queue name to which the alias resolves (parameter identifier: MQCA_BASE_Q_NAME).

This is the name of a queue that is defined to the local queue manager.

The maximum length of the string is MQ_Q_NAME_LENGTH.

CFstructure (MQCFST)

CF structure name (parameter identifier: MQCA_CF_STRUC_NAME).

The maximum length of the string is MQ_CF_STRUC_NAME_LENGTH.

ClusterName (MQCFST)

Cluster name (parameter identifier: MQCA_CLUSTER_NAME).

ClusterNameList (MQCFST)

Cluster namelist (parameter identifier: MQCA_CLUSTER_NAMELIST).

CLWLQueuePriority (MQCFIN)

Queue priority (parameter identifier: MQIA_CLWL_Q_PRIORITY).

CLWLQueueRank (MQCFIN)

Queue rank (parameter identifier: MQIA_CLWL_Q_RANK).

CLWLUseQ (MQCFIN)

This defines the behavior of an MQPUT when the target queue has both a local instance and at least one remote cluster instance (parameter identifier: MQIA_CLWL_USEQ).

The value can be:

MQCLWL_USEQ_ANY

Use remote and local queues.

MQCLWL_USEQ_LOCAL

Do not use remote queues.

MQCLWL_USEQ_AS_Q_MGR

Inherit definition from the queue manager attribute *CLWLUseQ*.

CreationDate (MQCFST)

Queue creation date (parameter identifier: MQCA_CREATION_DATE).

The maximum length of the string is MQ_CREATION_DATE_LENGTH.

CreationTime (MQCFST)

Creation time (parameter identifier: MQCA_CREATION_TIME).

The maximum length of the string is MQ_CREATION_TIME_LENGTH.

DefBind (MQCFIN)

Default binding (parameter identifier: MQIA_DEF_BIND).

The value can be:

MQBND_BIND_ON_OPEN

Binding fixed by MQOPEN call.

MQBND_BIND_NOT_FIXED

Binding not fixed.

MQBND_BIND_ON_GROUP

Allows an application to request that a group of messages are all allocated to the same destination instance.

DefinitionType (MQCFIN)

Queue definition type (parameter identifier: MQIA_DEFINITION_TYPE).

The value can be:

MQQDT_PREDEFINED

Predefined permanent queue.

MQQDT_PERMANENT_DYNAMIC

Dynamically defined permanent queue.

MQQDT_SHARED_DYNAMIC

Dynamically defined permanent queue that is shared.

DefInputOpenOption (MQCFIN)

Default input open option for defining whether queues can be shared (parameter identifier: MQIA_DEF_INPUT_OPEN_OPTION).

The value can be:

MQOO_INPUT_EXCLUSIVE

Open queue to get messages with exclusive access.

MQOO_INPUT_SHARED

Open queue to get messages with shared access.

DefPersistence (MQCFIN)

Default persistence (parameter identifier: MQIA_DEF_PERSISTENCE).

The value can be:

MQPER_PERSISTENT

Message is persistent.

MQPER_NOT_PERSISTENT

Message is not persistent.

DefPriority (MQCFIN)

Default priority (parameter identifier: MQIA_DEF_PRIORITY).

HardenGetBackout (MQCFIN)

Whether to harden backout (parameter identifier: MQIA_HARDEN_GET_BACKOUT).

The value can be:

MQQA_BACKOUT_HARDENED

Backout count remembered.

MQQA_BACKOUT_NOT_HARDENED

Backout count may not be remembered.

IndexType (MQCFIN)

Index type (parameter identifier: MQIA_INDEX_TYPE).

InhibitGet (MQCFIN)

Whether get operations are allowed (parameter identifier: MQIA_INHIBIT_GET).

The value can be:

MQQA_GET_ALLOWED

Get operations are allowed.

MQQA_GET_INHIBITED

Get operations are inhibited.

InhibitPut (MQCFIN)

Whether put operations are allowed (parameter identifier: MQIA_INHIBIT_PUT).

The value can be:

MQQA_PUT_ALLOWED

Put operations are allowed.

MQQA_PUT_INHIBITED

Put operations are inhibited.

InitiationQName (MQCFST)

Initiation queue name (parameter identifier: MQCA_INITIATION_Q_NAME).

The maximum length of the string is MQ_Q_NAME_LENGTH.

MaxMsgLength (MQCFIN)

Maximum message length (parameter identifier: MQIA_MAX_MSG_LENGTH).

MaxQDepth (MQCFIN)

Maximum queue depth (parameter identifier: MQIA_MAX_Q_DEPTH).

MsgDeliverySequence (MQCFIN)

Whether priority is relevant (parameter identifier: MQIA_MSG_DELIVERY_SEQUENCE).

The value can be:

MQMDS_PRIORITY

Messages are returned in priority order.

MQMDS_FIFO

Messages are returned in FIFO order (first in, first out).

ProcessName (MQCFST)

Name of process definition for queue (parameter identifier: MQCA_PROCESS_NAME).

The maximum length of the string is MQ_PROCESS_NAME_LENGTH.

QDepthHiEvent (MQCFIN)

Controls whether Queue Depth High events are generated. (parameter identifier: MQIA_Q_DEPTH_HIGH_EVENT).

The value can be:

MQEVR_ENABLED

Queue depth high events are enabled.

MQEVR_DISABLED

Queue depth high events are disabled.

QDepthHighLimit (MQCFIN)

High limit for queue depth (parameter identifier: MQIA_Q_DEPTH_HIGH_LIMIT).

The threshold against which the queue depth is compared to generate a Queue Depth High event.

QDepthLoEvent (MQCFIN)

Controls whether Queue Depth Low events are generated. (parameter identifier: MQIA_Q_DEPTH_LOW_EVENT).

The value can be:

MQEVR_ENABLED

Queue depth low events are enabled.

MQEVR_DISABLED

Queue depth low events are disabled.

QDepthLowLimit (MQCFIN)

Low limit for queue depth (parameter identifier: MQIA_Q_DEPTH_LOW_LIMIT).

The threshold against which the queue depth is compared to generate a Queue Depth Low event.

QDepthMaxEvent (MQCFIN)

Controls whether Queue Full events are generated. (parameter identifier: MQIA_Q_DEPTH_MAX_EVENT).

The value can be:

MQEVR_ENABLED

Queue depth full events are enabled.

MQEVR_DISABLED

Queue depth full events are disabled.

QDesc (MQCFST)

Queue description (parameter identifier: MQCA_Q_DESC).

The maximum length of the string is MQ_Q_DESC_LENGTH.

QName (MQCFST)

Queue name (parameter identifier: MQCA_Q_NAME).

The maximum length of the string is MQ_Q_NAME_LENGTH.

QServiceInterval (MQCFIN)

Target for queue service interval (parameter identifier: MQIA_Q_SERVICE_INTERVAL).

The service interval used for comparison to generate Queue Service Interval High and Queue Service Interval OK events.

QType (MQCFIN)

Queue type (parameter identifier: MQIA_Q_TYPE).

The value can be:

MQQT_ALIAS

Alias queue definition.

MQQT_LOCAL

Local queue.

MQQT_REMOTE

Local definition of a remote queue.

MQQT_MODEL

Model queue definition.

QueueAccounting (MQCFIN)

Specifies whether accounting information is collected (parameter identifier: MQIA_ACCOUNTING_Q).

The value can be:

MQMON_ON

Accounting information is collected for the queue.

MQMON_OFF

Accounting information is not collected for the queue.

MQMON_Q_MGR

The collection of accounting information for this queue is based on the queue manager attribute *QueueAccounting*.

QueueMonitoring (MQCFIN)

Level of monitoring data collection for the queue (parameter identifier: MQIA_MONITORING_Q).

The value can be:

MQMON_OFF

Monitoring data collection is turned off.

MQMON_LOW

Monitoring data collection is turned on with a low ratio of data collection.

MQMON_MEDIUM

Monitoring data collection is turned on with a moderate ratio of data collection.

MQMON_HIGH

Monitoring data collection is turned on with a high ratio of data collection.

MQMON_Q_MGR

The level of monitoring data collected is based on the queue manager attribute *QueueMonitoring*.

RemoteQMgrName (MQCFST)

Name of remote queue manager (parameter identifier: MQCA_REMOTE_Q_MGR_NAME).

The maximum length of the string is MQ_Q_MGR_NAME_LENGTH.

RemoteQName (MQCFST)

Name of remote queue as known locally on the remote queue manager (parameter identifier: MQCA_REMOTE_Q_NAME).

The maximum length of the string is MQ_Q_NAME_LENGTH.

RetentionInterval (MQCFIN)

Retention interval (parameter identifier: MQIA_RETENTION_INTERVAL).

ServiceIntervalEvent (MQCFIN)

Controls whether Service Interval High or Service Interval OK events are generated. .

The value can be:

MQSIE_NONE

No service interval events are generated.

MQSIE_OK

Service interval OK events are generated.

MQSIE_HIGH

Service interval high events are generated.

Shareability (MQCFIN)

Whether queue can be shared (parameter identifier: MQIA_SHAREABILITY).

The value can be:

MQQA_SHAREABLE

Queue is shareable.

MQQA_NOT_SHAREABLE

Queue is not shareable.

StorageClass (MQCFST)

Storage class name (parameter identifier: MQCA_STORAGE_CLASS).

The maximum length of the string is MQ_STORAGE_CLASS_LENGTH.

TriggerControl (MQCFIN)

Trigger control (parameter identifier: MQIA_TRIGGER_CONTROL).

The value can be:

MQTC_OFF

Trigger messages not required.

MQTC_ON

Trigger messages required.

TriggerData (MQCFST)

Trigger data (parameter identifier: MQCA_TRIGGER_DATA).

The maximum length of the string is MQ_TRIGGER_DATA_LENGTH.

TriggerDepth (MQCFIN)

Trigger depth (parameter identifier: MQIA_TRIGGER_DEPTH).

TriggerMsgPriority (MQCFIN)

Threshold message priority for triggers (parameter identifier: MQIA_TRIGGER_MSG_PRIORITY).

TriggerType (MQCFIN)

Trigger type (parameter identifier: MQIA_TRIGGER_TYPE).

The value can be:

MQTT_NONE

No trigger messages.

MQTT_FIRST

Trigger message when queue depth goes from 0 to 1.

MQTT EVERY

Trigger message for every message.

MQTT_DEPTH

Trigger message when depth threshold exceeded.

Usage (MQCFIN)

Usage (parameter identifier: MQIA_USAGE).

The value can be:

MQUS_NORMAL

Normal usage.

MQUS_TRANSMISSION

Transmission queue.

XmitQName (MQCFST)

Transmission queue name (parameter identifier: MQCA_XMIT_Q_NAME).

The maximum length of the string is MQ_Q_NAME_LENGTH.

Queue manager attributes

Event messages relating to objects can include queue manager attributes.

ActivityRecording (MQCFIN)

Specifies whether activity recording is enabled or disabled (parameter identifier: MQIA_ACTIVITY_RECORDING).

The value can be:

MQRECORDING_MSG

Activity recording is enabled. Activity reports are delivered to the reply-to queue specified in the message descriptor of the message.

MQRECORDING_Q

Activity recording is enabled. Activity reports are delivered to a fixed name queue.

MQRECORDING_DISABLED.

Activity recording is disabled.

AdoptNewMCACheck (MQCFIN)

Procedure to determine if an existing receiver MCA is to be adopted when an inbound channel is detected of the same name (parameter identifier: MQIA_ADOPTNEWMCA_CHECK).

The value can be:

MQADOPT_CHECK_Q_MGR_NAME

Compare the receiver MCA and the inbound channel. If the queue manager names match, the existing receiver MCA is adopted providing it is active. If they don't match, the existing receiver MCA is canceled, and a new MCA is created.

MQADOPT_CHECK_NET_ADDR

Compare the receiver MCA and the inbound channel. If the network addresses match, the existing receiver MCA is adopted providing it is active. If they don't match, the existing receiver MCA is canceled, and a new MCA is created.

MQADOPT_CHECK_ALL

Compare the receiver MCA and the inbound channel. If both the queue manager names, and the network addresses match, the existing receiver MCA is adopted providing it is active. If they don't match, the existing receiver MCA is canceled, and a new MCA is created.

MQADOPT_CHECK_NONE

If the existing receiver MCA is active it is adopted with no checks.

AdoptNewMCAType (MQCFIN)

Specifies whether orphaned receiver MCAs are to be restarted when an inbound channel matching the *AdoptNewMCACheck* procedure is detected (parameter identifier: MQIA_ADOPTNEWMCA_TYPE).

The value can be:

MQADOPT_TYPE_NO

Do not restart and adopt orphaned receiver MCAs.

MQADOPT_TYPE_ALL

Restart and adopt orphaned receiver MCAs.

AlterationDate (MQCFST)

Alteration date (parameter identifier: MQCA_ALTERATION_DATE).

The date when the information was last altered.

AlterationTime (MQCFST)

Alteration time (parameter identifier: MQCA_ALTERATION_TIME).

The time when the information was last altered.

AuthorityEvent (MQCFIN)

Controls whether authorization (Not Authorized) events are generated (parameter identifier: MQIA_AUTHORITY_EVENT).

The value can be:

MQEVR_DISABLED

Event reporting disabled.

BridgeEvent (MQCFIN)

Determines whether IMS bridge events are generated (parameter identifier: MQIA_BRIDGE_EVENT).

The value can be:

MQEVR_ENABLED

All IMS bridge events are enabled.

MQEVR_DISABLED

All IMS bridge events are disabled.

ChannelAuthenticationRecords (MQCFIN)

Controls whether channel authentication records are used (parameter identifier: MQIA_CHLAUTH_RECORDS).

Channel authentication records can be set and displayed regardless of the value of this attribute.

The value can be any of the following values:

MQCHLA_DISABLED

Channel authentication records are not checked.

MQCHLA_ENABLED

Channel authentication records are checked.

ChannelAutoDefExit (MQCFST)

Channel auto-definition exit name (parameter identifier: MQCA_CHANNEL_AUTO_DEF_EXIT).

The maximum length of the exit name is MQ_EXIT_NAME_LENGTH.

This parameter is supported only in the environments in which an MQSeries® Version 5.1 product, or later, is available.

ChannelEvent (MQCFIN)

Determines whether channel events are generated (parameter identifier: MQIA_CHANNEL_EVENT).

The value can be:

MQEVR_ENABLED

All channel events are enabled.

MQEVR_EXCEPTION

Only the following channels events are enabled:

- MQRC_CHANNEL_ACTIVATED
- MQRC_CHANNEL_CONV_ERROR
- MQRC_CHANNEL_NOT_ACTIVATED
- MQRC_CHANNEL_STOPPED

MQEVR_DISABLED

All channel events are disabled.

ChannelMonitoring (MQCFIN)

Level of real-time monitoring data collection for channels (parameter identifier: MQIA_MONITORING_CHANNEL).

The value can be:

MQMON_NONE

Monitoring data collection is disabled, regardless of the setting for the *ChannelMonitoring* channel attribute.

MQMON_OFF

Monitoring data collection is turned off for channels specifying MQMON_Q_MGR in the *ChannelMonitoring* channel attribute.

MQMON_LOW

Monitoring data collection is turned on with a low ratio of data collection for channels specifying MQMON_Q_MGR in the *ChannelMonitoring* channel attribute.

MQMON_MEDIUM

Monitoring data collection is turned on with a moderate ratio of data collection for channels specifying MQMON_Q_MGR in the *ChannelMonitoring* channel attribute.

MQMON_HIGH

Monitoring data collection is turned on with a high ratio of data collection for channels specifying MQMON_Q_MGR in the *ChannelMonitoring* channel attribute.

ChinitAdapters (MQCFIN)

Number of channel initiator adapter subtasks to use for processing WebSphere MQ calls (parameter identifier: MQIA_CHINIT_ADAPTERS).

This value must be in the range 0 through 9999.

ChinitDispatchers (MQCFIN)

Number of dispatchers to use for the channel initiator (parameter identifier: MQIA_CHINIT_DISPATCHERS).

ChinitServiceParm (MQCFST)

This attribute is reserved for use by IBM (parameter identifier: MQCA_CHINIT_SERVICE_PARM).

ChinitTraceAutoStart (MQCFIN)

Specifies whether the channel initiator trace should start automatically (parameter identifier: MQIA_CHINIT_TRACE_AUTO_START).

The value can be:

MQTRAXSTR_YES

Channel initiator trace starts automatically.

MQTRAXSTR_NO

Channel initiator trace does not start automatically.

ChinitTraceTableSize (MQCFIN)

Size of the channel initiator's trace data space, in MB (parameter identifier: MQIA_CHINIT_TRACE_TABLE_SIZE).

ClusterSenderMonitoring (MQCFIN)

Level of real-time monitoring data collection for auto-defined cluster sender channels (parameter identifier: MQIA_MONITORING_AUTO_CLUSSDR).

The value can be:

MQMON_Q_MGR

The collection of monitoring data is inherited from the setting of the *ChannelMonitoring* attribute in the queue manager object.

MQMON_OFF

Monitoring data collection is disabled.

MQMON_LOW

Monitoring data collection is turned on with a low ratio of data collection.

MQMON_MEDIUM

Monitoring data collection is turned on with a moderate ratio of data collection.

MQMON_HIGH

Monitoring data collection is turned on with a high ratio of data collection.

ClusterWorkLoadData (MQCFST)

Data passed to the cluster workload exit (parameter identifier: MQCA_CLUSTER_WORKLOAD_DATA).

ClusterWorkLoadExit (MQCFST)

Name of the cluster workload exit (parameter identifier: MQCA_CLUSTER_WORKLOAD_EXIT).

The maximum length of the exit name is MQ_EXIT_NAME_LENGTH.

ClusterWorkLoadLength (MQCFIN)

Cluster workload length (parameter identifier: MQIA_CLUSTER_WORKLOAD_LENGTH).

The maximum length of the message passed to the cluster workload exit.

CLWLMRUChannels (MQCFIN)

Maximum number of most recently used channels for cluster workload balancing (parameter identifier: MQIA_CLWL_MRU_CHANNELS).

CLWLUseQ (MQCFIN)

This defines the behavior of an MQPUT when the target queue has both a local instance and at least one remote cluster instance (parameter identifier: MQIA_CLWL_USEQ).

The value can be:

MQCLWL_USEQ_ANY

Use remote and local queues.

MQCLWL_USEQ_LOCAL

Do not use remote queues.

CodedCharSetId (MQCFIN)

Coded character set identifier (parameter identifier: MQIA_CODED_CHAR_SET_ID).

CommandEvent (MQCFIN)

Controls whether command events are generated (parameter identifier: MQIA_COMMAND_EVENT).

The value can be:

MQEVR_DISABLED

Command event generation disabled.

MQEVR_ENABLED

Command event generation enabled.

MQEVR_NO_DISPLAY

Command events are generated for all commands other than MQSC DISPLAY commands and PCF Inquire commands.

CommandInputQName (MQCFST)

Command input queue name (parameter identifier: MQCA_COMMAND_INPUT_Q_NAME).

The maximum length of the string is MQ_Q_NAME_LENGTH.

CommandLevel (MQCFIN)

Command level supported by queue manager (parameter identifier: MQIA_COMMAND_LEVEL).

ConfigurationEvent (MQCFIN)

Controls whether configuration events are generated (parameter identifier: MQIA_CONFIGURATION_EVENT).

The value can be:

MQEVR_DISABLED

Configuration event generation disabled.

MQEVR_ENABLED

Configuration event generation enabled.

CPILevel (MQCFIN)

CPI level (parameter identifier: MQIA_CPI_LEVEL).

DeadLetterQName (MQCFST)

Dead letter (undelivered message) queue name (parameter identifier: MQCA_DEAD_LETTER_Q_NAME).

Specifies the name of the local queue that is to be used for undelivered messages. Messages are put on this queue if they cannot be routed to their correct destination.

The maximum length of the string is MQ_Q_NAME_LENGTH.

DefXmitQName (MQCFST)

Default transmission queue name (parameter identifier: MQCA_DEF_XMIT_Q_NAME).

This is the name of the default transmission queue that is used for the transmission of messages to remote queue managers, if there is no other indication of which transmission queue to use.

The maximum length of the string is MQ_Q_NAME_LENGTH.

DNSGroup (MQCFST)

The name of the group that the TCP listener that handles inbound transmissions for the queue sharing group must join when using Workload Manager for Dynamic Domain Name Services (parameter identifier: MQCA_DNS_GROUP).

The maximum length of this name is MQ_DNS_GROUP_NAME_LENGTH.

DNSWLM (MQCFIN)

Specifies whether the TCP listener that handles inbound transmissions for the queue sharing group will register with the Workload Manager for Dynamic Domain Name Services (parameter identifier: MQIA_DNS_WLM).

The value can be:

MQDNSWLM_YES

Register with the Workload Manager for Dynamic Domain Name Services.

MQDNSWLM_NO

Do not register with the Workload Manager for Dynamic Domain Name Services.

ExpiryInterval (MQCFIN)

Expiry interval (parameter identifier: MQIA_EXPIRY_INTERVAL).

GroupUR (MQCFIN)

Controls whether XA client applications can establish transactions with a GROUP unit of recovery disposition.

The value can be:

MQGUR_DISABLED

XA client applications must connect using a queue manager name.

MQGUR_ENABLED

XA client applications can establish transactions with a group unit of recovery disposition by specifying a QSG name when they connect.

IGQPutAuthority (MQCFIN)

IGQ put authority (parameter identifier: MQIA_IGQ_PUT_AUTHORITY).

IGQUserId (MQCFST)

IGQ user identifier (parameter identifier: MQCA_IGQ_USER_ID).

The maximum length of the **string** is MQ_USER_ID_LENGTH.

InhibitEvent (MQCFIN)

Controls whether inhibit (Inhibit Get and Inhibit Put) events are generated (parameter identifier: MQIA_INHIBIT_EVENT).

The value can be:

MQEVR_DISABLED

Event reporting disabled.

MQEVR_ENABLED

Event reporting enabled.

IntraGroupQueueing (MQCFIN)

Intra group queueing (parameter identifier: MQIA_INTRA_GROUP_QUEUEING).

IPAddressVersion (MQCFIN)

Specifies the IP version to be used (parameter identifier: MQIA_IP_ADDRESS_VERSION).

The value can be:

MQIPADDR_IPV4

The IPv4 stack is used.

MQIPADDR_IPV6

The IPv6 stack is used.

ListenerTimer (MQCFIN)

The time interval, in seconds, between attempts to restart a listener following an APPC or TCP/IP failure (parameter identifier: MQCA_LISTENER_TIMER).

LocalEvent (MQCFIN)

Controls whether local error events are generated (parameter identifier: MQIA_LOCAL_EVENT).

The value can be:

MQEVR_DISABLED

Event reporting disabled.

MQEVR_ENABLED

Event reporting enabled.

LU62ARMSuffix (MQCFST)

The suffix of the SYS1.PARMLIB member APPCPMxx, that nominates the LUADD for this channel initiator (parameter identifier: MQCA_LU62_ARM_SUFFIX).

The maximum length of this name is MQ_ARM_SUFFIX_LENGTH.

LU62Channels (MQCFIN)

Maximum number of current channels that use the LU 6.2 transmission protocol, including clients connected to server connection channels (parameter identifier: MQIA_LU62_CHANNELS).

LUGroupName (MQCFST)

The generic LU name that the LU 6.2 listener that handles inbound transmissions for the queue sharing group is to use. This name must be the same as *LUName* (parameter identifier: MQCA_LU_GROUP_NAME).

The maximum length of this name is MQ_LU_NAME_LENGTH.

LUName (MQCFST)

The LU name that the LU 6.2 listener that handles outbound transmissions is to use. This name must be the same as *LUGroupName* (parameter identifier: MQCA_LU_NAME).

The maximum length of this name is MQ_LU_NAME_LENGTH.

MaxActiveChannels (MQCFIN)

Maximum number of channels that can be active at the same time (parameter identifier: MQIA_ACTIVE_CHANNELS).

MaxChannels (MQCFIN)

Maximum number of current channels, including clients connected to server connection channels (parameter identifier: MQIA_MAX_CHANNELS).

MaxHandles (MQCFIN)

Maximum number of handles (parameter identifier: MQIA_MAX_HANDLES).

Specifies the maximum number of handles that any one job can have open at the same time.

MaxMsgLength (MQCFIN)

Maximum message length (parameter identifier: MQIA_MAX_MSG_LENGTH).

MaxPriority (MQCFIN)

Maximum priority (parameter identifier: MQIA_MAX_PRIORITY).

MaxUncommittedMsgs (MQCFIN)

Maximum number of uncommitted messages within a unit of work (parameter identifier: MQIA_MAX_UNCOMMITTED_MSGS).

That is:

- The number of messages that can be retrieved, plus
- The number of messages that can be put on a queue, plus
- Any trigger messages generated within this unit of work

under any one syncpoint. This limit does not apply to messages that are retrieved or put outside syncpoint.

OutboundPortMax (MQCFIN)

Outbound port range maximum (parameter identifier: MQIA_OUTBOUND_PORT_MAX).

The upper limit for the range of port numbers used when binding outgoing channels.

OutboundPortMin (MQCFIN)

Outbound port range minimum (parameter identifier: MQIA_OUTBOUND_PORT_MIN).

The lower limit for the range of port numbers used when binding outgoing channels.

PerformanceEvent (MQCFIN)

Controls whether performance-related events are generated (parameter identifier: MQIA_PERFORMANCE_EVENT).

The value can be:

MQEVR_DISABLED

Event reporting disabled.

MQEVR_ENABLED

Event reporting enabled.

Platform (MQCFIN)

Platform on which the queue manager resides (parameter identifier: MQIA_PLATFORM).

QMgrDesc (MQCFST)

Queue manager description (parameter identifier: MQCA_Q_MGR_DESC).

The maximum length of the string is MQ_Q_MGR_DESC_LENGTH.

QMgrIdentifier (MQCFST)

Queue manager identifier (parameter identifier: MQCA_Q_MGR_IDENTIFIER).

The unique identifier of the queue manager.

QMgrName (MQCFST)

Name of local queue manager (parameter identifier: MQCA_Q_MGR_NAME).

The maximum length of the string is MQ_Q_MGR_NAME_LENGTH.

QSGName (MQCFST)

Queue sharing group name (parameter identifier: MQCA_QSG_NAME).

The maximum length of the string is MQ_QSG_NAME_LENGTH.

QueueAccounting (MQCFIN)

Specifies whether accounting information is collected for queues (parameter identifier: MQIA_ACCOUNTING_Q).

The value can be:

MQMON_ON

For all queues that have the queue parameter *QueueAccounting* specified as MQMON_Q_MGR, accounting information is collected.

MQMON_OFF

For all queues that have the queue parameter *QueueAccounting* specified as MQMON_Q_MGR, accounting information is not collected.

MQMON_NONE

Accounting information is not collected for queues.

QueueMonitoring (MQCFIN)

Level of real-time monitoring data collection for queues (parameter identifier: MQIA_MONITORING_Q).

The value can be:

MQMON_NONE

Monitoring data collection is disabled, regardless of the setting for the *QueueMonitoring* queue attribute.

MQMON_OFF

Monitoring data collection is turned off for queues specifying MQMON_Q_MGR in the *QueueMonitoring* queue attribute.

MQMON_LOW

Monitoring data collection is turned on with a low ratio of data collection for queues specifying MQMON_Q_MGR in the *QueueMonitoring* queue attribute.

MQMON_MEDIUM

Monitoring data collection is turned on with a moderate ratio of data collection for queues specifying MQMON_Q_MGR in the *QueueMonitoring* queue attribute.

MQMON_HIGH

Monitoring data collection is turned on with a high ratio of data collection for queues specifying MQMON_Q_MGR in the *QueueMonitoring* queue attribute.

ReceiveTimeout (MQCFIN)

In conjunction with *ReceiveTimeoutType* specifies how long a TCP/IP channel will wait to receive data, including heartbeats, from its partner before returning to the inactive state (parameter identifier: MQIA_RECEIVE_TIMEOUT).

ReceiveTimeoutMin (MQCFIN)

The minimum time, in seconds, that a TCP/IP channel will wait to receive data, including heartbeats, from its partner before returning to the inactive state (parameter identifier: MQIA_RECEIVE_TIMEOUT_MIN).

ReceiveTimeoutType (MQCFIN)

In conjunction with *ReceiveTimeout* specifies how long a TCP/IP channel will wait to receive data, including heartbeats, from its partner before returning to the inactive state (parameter identifier: MQIA_RECEIVE_TIMEOUT_TYPE).

The value can be:

MQRCVTIME_MULTIPLY

The *ReceiveTimeout* value is a multiplier to be applied to the negotiated value of *HeartbeatInterval* to determine how long a channel will wait. This is the queue manager's initial default value.

MQRCVTIME_ADD

ReceiveTimeout is a value, in seconds, to be added to the negotiated value of *HeartbeatInterval* to determine how long a channel will wait.

MQRCVTIME_EQUAL

ReceiveTimeout is a value, in seconds, representing how long a channel will wait.

RemoteEvent (MQCFIN)

Controls whether remote error events are generated (parameter identifier: MQIA_REMOTE_EVENT).

The value can be:

MQEVR_DISABLED

Event reporting disabled.

MQEVR_ENABLED

Event reporting enabled.

RepositoryName (MQCFST)

Repository name (parameter identifier: MQCA_REPOSITORY_NAME).

The name of a cluster for which this queue manager is to provide a repository service.

RepositoryNameList (MQCFST)

Repository name list (parameter identifier: MQCA_REPOSITORY_NAMELIST).

The name of a list of clusters for which this queue manager is to provide a repository service.

SharedQueueQueueManagerName (MQCFIN)

Specifies how messages are put on a shared queue that specifies another queue manager from a queue sharing group as the object queue manager (parameter identifier: MQIA_SHARED_Q_Q_MGR_NAME).

The value can be:

MQSQM_USE

Messages are delivered to the object queue manager before being put on the shared queue.

MQSQM_IGNORE

Messages are put directly on the shared queue.

SSLCRLNameList (MQCFST)

SSL CRL name list (parameter identifier: MQCA_SSL_CRL_NAMELIST).

The maximum length of the string is MQ_NAMELIST_NAME_LENGTH.

SSLEvent (MQCFIN)

Determines whether IMS bridge events are generated (parameter identifier: MQIA_SSL_EVENT).

The value can be:

MQEVR_ENABLED

All SSL events are enabled.

MQEVR_DISABLED

All SSL events are disabled.

SSLKeyRepository (MQCFST)

SSL key repository (parameter identifier: MQCA_SSL_KEY_REPOSITORY).

The maximum length of the string is MQ_SSL_KEY_REPOSITORY_LENGTH.

SSLKeyResetCount (MQCFIN)

SSL key reset count (parameter identifier: MQIA_SSL_RESET_COUNT).

The maximum length of the string is MQ_SSL_KEY_REPOSITORY_LENGTH.

SSLTasks (MQCFIN)

SSL tasks (parameter identifier: MQIA_SSL_TASKS).

StartStopEvent (MQCFIN)

Controls whether start and stop events are generated (parameter identifier: MQIA_START_STOP_EVENT).

The value can be:

MQEVR_DISABLED

Event reporting disabled.

MQEVR_ENABLED

Event reporting enabled.

SyncPoint (MQCFIN)

Syncpoint availability (parameter identifier: MQIA_SYNCPOINT).

TCPChannels (MQCFIN)

Maximum number of current channels that use the TCP/IP transmission protocol, including clients connected to server connection channels (parameter identifier: MQIA_TCP_CHANNELS).

TCPKeepAlive (MQCFIN)

Specifies whether to use the TCP KEEPALIVE facility to check whether the MCA at the opposite end of a channel is available (parameter identifier: MQIA_TCP_KEEP_ALIVE).

The value can be:

MQTCPKEEP_YES

Use the TCP KEEPALIVE facility as specified in the TCP profile configuration data set.

MQTCPKEEP_NO

Do not use the TCP KEEPALIVE facility.

TCPName (MQCFST)

TCP name (parameter identifier: MQIA_TCP_NAME).

The name of the current TCP/IP system in use.

The maximum length of this value is MQ_TCP_NAME_LENGTH.

TCPStackType (MQCFIN)

TCP stack type (parameter identifier: MQIA_TCP_STACK_TYPE).

Specifies whether the channel initiator uses the TCP/IP address space specified in TCPNAME only, or whether it can bind to any selected TCP/IP address.

The value can be:

MQTCPSTACK_SINGLE

The channel initiator uses the TCP/IP address space specified in TCPNAME only.

MQTCPSTACK_MULTIPLE

The initiator can use any TCP/IP address space available to it. If no other address spaces are available, the address space specified in TCPNAME is used.

TraceRouteRecording (MQCFIN)

Specifies whether trace-route messaging is enabled or disabled (parameter identifier: MQIA_TRACE_ROUTE_RECORDING).

The value can be:

MQRECORDING_MSG

Trace-route messaging is enabled. Trace-route reply messages are delivered to the reply-to queue specified in the message descriptor of the message.

MQRECORDING_Q

Trace-route messaging is enabled. Trace-route reply messages are delivered to a fixed name queue.

MQRECORDING_DISABLED.

Trace-route messaging is disabled.

TriggerInterval (MQCFIN)

Trigger interval (parameter identifier: MQIA_TRIGGER_INTERVAL).

Specifies the trigger time interval, expressed in milliseconds, for use only with queues where *TriggerType* has a value of MQTT_FIRST.

Storage class attributes

Event messages relating to objects can include storage class attributes

AlterationDate (MQCFST)

Alteration date (parameter identifier: MQCA_ALTERATION_DATE).

The date when the information was last altered.

AlterationTime (MQCFST)

Alteration time (parameter identifier: MQCA_ALTERATION_TIME).

The time when the information was last altered.

PageSetId (MQCFIN)

Page set identifier (parameter identifier: MQIA_PAGESET_ID).

PassTicketApplication (MQCFST)

Name of the application used to authenticate IMS bridge passtickets (parameter identifier: MQCA_PASS_TICKET_APPL).

The maximum length of the string is MQ_PASS_TICKET_APPL_LENGTH.

StgClassDesc (MQCFST)

Storage class description (parameter identifier: MQCA_STORAGE_CLASS_DESC).

The maximum length of the string is MQ_STORAGE_CLASS_DESC_LENGTH.

XCFGroupName (MQCFST)

XCF group name (parameter identifier: MQCA_XCF_GROUP_NAME).

The maximum length of the string is MQ_XCF_GROUP_NAME_LENGTH.

XCFMemberName (MQCFST)

XCF member name (parameter identifier: MQCA_XCF_MEMBER_NAME).

The maximum length of the string is MQ_XCF_MEMBER_NAME_LENGTH.

Topic attributes

Event messages relating to objects can include topic attributes

AlterationDate (MQCFST)

Alteration date (parameter identifier: MQCA_ALTERATION_DATE).

The date when the information was last altered, in the form yyyy-mm-dd.

AlterationTime (MQCFST)

Alteration time (parameter identifier: MQCA_ALTERATION_TIME).

The time when the information was last altered, in the form hh.mm.ss.

ClusterName (MQCFST)

The name of the cluster to which this topic belongs (parameter identifier: MQCA_CLUSTER_NAME).

The maximum length of the string is MQ_CLUSTER_NAME_LENGTH.

The value can be as follows:

Blank

This topic does not belong to a cluster. Publications and subscriptions for this topic are not propagated to publish/subscribe cluster-connected queue managers.

This is the default value for this parameter if no value is specified.

String

This topic belongs to the indicated cluster.

Additionally, if PublicationScope or SubscriptionScope is set to MQSCOPE_ALL, this cluster is to be used for the propagation of publications and subscriptions, for this topic, to publish/subscribe cluster-connected queue managers.

DefPersistence (MQCFIN)

Default persistence (parameter identifier: MQIA_TOPIC_DEF_PERSISTENCE).

The value can be:

MQPER_PERSISTENCE_AS_PARENT

The default persistence is based on the setting of the closest parent administrative topic object in the topic tree.

MQPER_PERSISTENT

Message is persistent.

MQPER_NOT_PERSISTENT

Message is not persistent.

DefPriority (MQCFIN)

Default priority (parameter identifier: MQIA_DEF_PRIORITY).

DefPutResponse (MQCFIN)

Default put response (parameter identifier: MQIA_DEF_PUT_RESPONSE_TYPE).

The value can be:

MQPRT_ASYNC_RESPONSE

The put operation is issued asynchronously, returning a subset of MQMD fields.

MQPRT_RESPONSE_AS_PARENT

The default put response is based on the setting of the closest parent administrative topic object in the topic tree.

MQPRT_SYNC_RESPONSE

The put operation is issued synchronously, returning a response.

DurableModelQName (MQCFST)

Name of the model queue to be used for durable managed subscriptions (parameter identifier: MQCA_MODEL_DURABLE_Q).

The maximum length of the string is MQ_Q_NAME_LENGTH.

DurableSubscriptions (MQCFIN)

Whether applications are permitted to make durable subscriptions (parameter identifier: MQIA_DURABLE_SUB).

The value can be:

MQSUB_DURABLE_AS_PARENT

Whether durable subscriptions are permitted is based on the setting of the closest parent administrative topic object in the topic tree.

MQSUB_DURABLE

Durable subscriptions are permitted.

MQSUB_NON_DURABLE

Durable subscriptions are not permitted.

InhibitPublications (MQCFIN)

Whether publications are allowed for this topic (parameter identifier: MQIA_INHIBIT_PUB).

The value can be:

MQTA_PUB_AS_PARENT

Whether messages can be published to this topic is based on the setting of the closest parent administrative topic object in the topic tree.

MQTA_PUB_INHIBITED

Publications are inhibited for this topic.

MQTA_PUB_ALLOWED

Publications are allowed for this topic.

InhibitSubscriptions (MQCFIN)

Whether subscriptions are allowed for this topic (parameter identifier: MQIA_INHIBIT_SUB).

The value can be:

MQTA_SUB_AS_PARENT

Whether applications can subscribe to this topic is based on the setting of the closest parent administrative topic object in the topic tree.

MQTA_SUB_INHIBITED

Subscriptions are inhibited for this topic.

MQTA_SUB_ALLOWED

Subscriptions are allowed for this topic.

NonDurableModelQName (MQCFST)

Name of the model queue to be used for non durable managed subscriptions (parameter identifier: MQCA_MODEL_NON_DURABLE_Q).

The maximum length of the string is MQ_Q_NAME_LENGTH.

NonPersistentMsgDelivery (MQCFIN)

The delivery mechanism for non-persistent messages published to this topic (parameter identifier: MQIA_NPM_DELIVERY).

The value can be:

MQDLV_AS_PARENT

The delivery mechanism used is based on the setting of the first parent administrative node found in the topic tree relating to this topic.

MQDLV_ALL

Non-persistent messages must be delivered to all subscribers, irrespective of durability for the MQPUT call to report success. If a delivery failure to any subscriber occurs, no other subscribers receive the message and the MQPUT fails.

MQDLV_ALL_DUR

Non-persistent messages must be delivered to all durable subscribers. Failure to deliver a non-persistent message to any non-durable subscribers does not return an error to the MQPUT call. If a delivery failure to a durable subscriber occurs, no other subscribers receive the message and the MQPUT fails.

MQDLV_ALL_AVAIL

Non-persistent messages are delivered to all subscribers that can accept the message. Failure to deliver the message to any subscriber does not prevent other subscribers from receiving the message.

PersistentMsgDelivery (MQCFIN)

The delivery mechanism for persistent messages published to this topic (parameter identifier: MQIA_PM_DELIVERY).

The value can be:

MQDLV_AS_PARENT

The delivery mechanism used is based on the setting of the first parent administrative node found in the topic tree relating to this topic.

MQDLV_ALL

Persistent messages must be delivered to all subscribers, irrespective of durability for the MQPUT call to report success. If a delivery failure to any subscriber occurs, no other subscribers receive the message and the MQPUT fails.

MQDLV_ALL_DUR

Persistent messages must be delivered to all durable subscribers. Failure to deliver a persistent message to any non-durable subscribers does not return an error to the MQPUT call. If a delivery failure to a durable subscriber occurs, no other subscribers receive the message and the MQPUT fails.

MQDLV_ALL_AVAIL

Persistent messages are delivered to all subscribers that can accept the message. Failure to deliver the message to any subscriber does not prevent other subscribers from receiving the message.

ProxySubscriptions (MQCFIN)

Whether a proxy subscription is to be sent for this topic, even if no local subscriptions exist, to directly connected queue managers (parameter identifier: MQIA_PROXY_SUB).

The value can be:

MQTA_PROXY_SUB_FORCE

A proxy subscription is sent to connected queue managers even if no local subscriptions exist.

MQTA_PROXY_SUB_FIRSTUSE

A proxy subscription is sent for this topic only when a local subscription exists.

PublicationScope (MQCFIN)

Whether this queue manager propagates publications to queue managers as part of a hierarchy or as part of a publish/subscribe cluster (parameter identifier: MQIA_PUB_SCOPE).

The value can be:

MQSCOPE_ALL

Publications for this topic are propagated to hierarchically connected queue managers and to publish/subscribe cluster-connected queue managers.

MQSCOPE_AS_PARENT

Whether this queue manager will propagate publications to queue managers as part of a hierarchy or as part of a publish/subscribe cluster is based on the setting of the first parent administrative node found in the topic tree relating to this topic.

This is the default value for this parameter if no value is specified.

MQSCOPE_QMGR

Publications for this topic are not propagated to other queue managers.

Note: You can override this behavior on a publication-by-publication basis, using MQPMO_SCOPE_QMGR on the Put Message Options.

QMgrName (MQCFST)

Name of local queue manager (parameter identifier: MQCA_CLUSTER_Q_MGR_NAME).

The maximum length of the string is MQ_Q_MGR_NAME_LENGTH

SubscriptionScope (MQCFIN)

Whether this queue manager propagates subscriptions to queue managers as part of a hierarchy or as part of a publish/subscribe cluster (parameter identifier: MQIA_SUB_SCOPE).

The value can be:

MQSCOPE_ALL

Subscriptions for this topic are propagated to hierarchically connected queue managers and to publish/subscribe cluster-connected queue managers.

MQSCOPE_AS_PARENT

Whether this queue manager will propagate subscriptions to queue managers as part of a hierarchy or as part of a publish/subscribe cluster is based on the setting of the first parent administrative node found in the topic tree relating to this topic.

This is the default value for this parameter if no value is specified.

MQSCOPE_QMGR

Subscriptions for this topic are not propagated to other queue managers.

Note: You can override this behavior on a subscription-by-subscription basis, using MQSO_SCOPE_QMGR on the Subscription Descriptor or SUBSCOPE(QMGR) on DEFINE SUB.

TopicDesc (MQCFST)

Topic description (parameter identifier: MQCA_TOPIC_DESC).

The maximum length is MQ_TOPIC_DESC_LENGTH.

TopicName (MQCFST)

Topic object name (parameter identifier: MQCA_TOPIC_NAME).

The maximum length of the string is MQ_TOPIC_NAME_LENGTH

TopicString (MQCFST)

The topic string (parameter identifier: MQCA_TOPIC_STRING).

The '/' character within this string has special meaning. It delimits the elements in the topic tree. A topic string can start with the '/' character but is not required to. A string starting with the '/' character is not the same as the string which starts without the '/' character. A topic string cannot end with the '/' character.

The maximum length of the string is MQ_TOPIC_STR_LENGTH.

TopicType (MQCFIN)

Whether this object is a local or cluster topic (parameter identifier: MQIA_TOPIC_TYPE).

The value can be:

MQTOPT_LOCAL

This object is a local topic.

MQTOPT_CLUSTER

This object is a cluster topic.

WildcardOperation (MQCFIN)

Behavior of subscriptions including wildcards made to this topic (parameter identifier: MQIA_WILDCARD_OPERATION).

The value can be:

MQTA_PASSTHRU

Subscriptions made using wildcard topic names that are less specific than the topic string at this topic object will receive publications made to this topic and to topic strings more specific than this topic. This is the default supplied with WebSphere MQ.

MQTA_BLOCK

Subscriptions made using wildcard topic names that are less specific than the topic string at this topic object will not receive publications made to this topic or to topic strings more specific than this topic.

Event message reference

Use this page to obtain an overview of information about the format of event messages.

For each instrumentation event, information is returned in both the message descriptor and message data parts of the events messages.

Related concepts

[“Event message descriptions” on page 116](#)

The event message data contains information specific to the event that was generated. This data includes the name of the queue manager and, where appropriate, the name of the queue.

[Instrumentation events](#)

Related reference

[“Event message format” on page 108](#)

Event messages are standard WebSphere MQ messages containing a message descriptor and message data.

[“Event message MQMD \(message descriptor\)” on page 110](#)

The message descriptor for an event message contains information that a system monitoring application can use, such as the message type and format, and the date and time that the message was put on the event queue.

[“Event message MQCFH \(PCF header\)” on page 114](#)

The message data in event messages is in programmable command format (PCF), as used in PCF command inquiries and responses. The message data consists of two parts: the event header and the event data.

Event message format

Event messages are standard WebSphere MQ messages containing a message descriptor and message data.

Table 2 on page 109 shows the basic structure of event messages and, in the Event data column, the names of the fields in an event message for queue service interval events.

Table 2. Event message structure for queue service interval events

Message descriptor	Message data	
MQMD structure	PCF header MQCFH structure	Event data ¹
Structure identifier Structure version Report options Message type Expiration time Feedback code Encoding Coded character set ID Message format Message priority Persistence Message identifier Correlation identifier Backout count Reply-to queue Reply-to queue manager User identifier Accounting token Application identity data Application type Application name Put date Put time Application origin data Group identifier Message sequence number Offset Message flags Original length	Structure type Structure length Structure version Command identifier Message sequence number Control options Completion code Reason code Parameter count	Queue manager name Queue name Time since last reset Maximum number of messages on queue Number of messages put to queue Number of messages retrieved from queue
<p>Note:</p> <p>1. The parameters shown are those returned for a queue service interval event. The actual event data depends on the specific event.</p>		

In general, you need only a subset of this information for any system management programs that you write. For example, your application might need the following data:

- The name of the application causing the event
- The name of the queue manager on which the event occurred
- The queue on which the event was generated
- The event statistics

Event message MQMD (message descriptor)

The message descriptor for an event message contains information that a system monitoring application can use, such as the message type and format, and the date and time that the message was put on the event queue.

The information in the descriptor informs a system management application that the message type is MQMT_DATAGRAM, and the message format is MQFMT_EVENT.

Many of the fields in an event message contain fixed data, which is supplied by the queue manager that generated the message. The MQMD also specifies the name of the queue manager (truncated to 28 characters) that put the message.

For an event message, the MQMD structure contains the following values:

StrucId

Description: Structure identifier.
Data type: MQCHAR4.
Value: MQMD_STRUC_ID

Version

Description: Structure version number.
Data type: MQLONG.
Values: **MQMD_VERSION_1**
Version-1 message descriptor structure, supported in all environments.
MQMD_VERSION_2
Version-2 message descriptor structure, supported on AIX, HP-UX, z/OS, IBM i, Solaris, Linux, Windows, and all WebSphere MQ MQI clients connected to these systems.

Report

Description: Options for report messages.
Data type: MQLONG.
Value: **MQRO_NONE**
No reports required.

MsgType

Description: Indicates type of message.
Data type: MQLONG.
Value: MQMT_DATAGRAM.

Expiry

Description: Message lifetime.
Data type: MQLONG.
Value: **MQEI_UNLIMITED**
The message does not have an expiry time.

Feedback

Description: Feedback or reason code.

Data type: MQLONG.
Value: MQFB_NONE.

Encoding

Description: Numeric encoding of message data.
Data type: MQLONG.
Value: MQENC_NATIVE.

CodedCharSetId

Description: Character set identifier of event message data.
Data type: MQLONG.
Value: Coded character set ID (CCSID) of the queue manager generating the event.

Format

Description: Format name of message data.
Data type: MQCHAR8.
Value: **MQFMT_EVENT**
Event message.

Priority

Description: Message priority.
Data type: MQLONG.
Value: **MQPRI_PRIORITY_AS_Q_DEF**
The priority is that of the event queue.

Persistence

Description: Message persistence.
Data type: MQLONG.
Value: **MQPER_PERSISTENCE_AS_Q_DEF**
The priority is that of the event queue.

MsgId

Description: Message identifier.
Data type: MQBYTE24.
Value: A unique value generated by the queue manager.

CorrelId

Description: Correlation identifier.
Data type: MQBYTE24.

Value: For performance, queue manager, logger, channel, bridge, and SSL events:

MQCI_NONE

No correlation identifier is specified. This is for private queues only.

For such events on a shared queue, a nonzero correlation identifier is set. This parameter is set so that you can track multiple event messages from different queue managers. The characters are specified in the following way:

- 1-4 Product identifier ('CSQ')
- 5-8 Queue-sharing group name
- 9 Queue manager identifier
- 10-17 Time stamp
- 18-24 Nulls

For configuration and command events:

A unique nonzero correlation identifier

All messages relating to the same event have the same CorrelId.

BackoutCount

Description: Backout counter.
Data type: MQLONG.
Value: 0.

ReplyToQ

Description: Name of reply queue.
Data type: MQCHAR48.
Values: Blank.

ReplyToQMgr

Description: Name of reply queue manager.
Data type: MQCHAR48.
Value: The queue manager name at the originating system.

UserIdentifier

Description: Identifies the application that originated the message.
Data type: MQCHAR12.
Value: Blank.

AccountingToken

Description: Accounting token that allows an application to charge for work done as a result of the message.
Data type: MQBYTE32.
Value: MQACT_NONE.

ApplIdentityData

Description: Application data relating to identity.
Data type: MQCHAR32.
Values: Blank.

PutApplType

Description: Type of application that put the message.
Data type: MQLONG.
Value: **MQAT_QMGR**
Queue manager generated message.

PutApplName

Description: Name of application that put the message.
Data type: MQCHAR28.
Value: The queue manager name at the originating system.

PutDate

Description: Date when message was put.
Data type: MQCHAR8.
Value: As generated by the queue manager.

PutTime

Description: Time when message was put.
Data type: MQCHAR8.
Value: As generated by the queue manager.

ApplOriginData

Description: Application data relating to origin.
Data type: MQCHAR4.
Value: Blank.

Note: If *Version* is MQMD_VERSION_2, the following additional fields are present:

GroupId

Description: Identifies to which message group or logical message the physical message belongs.
Data type: MQBYTE24.
Value: **MQGI_NONE**
No group identifier specified.

MsgSeqNumber

Description: Sequence number of logical message within group.
Data type: MQLONG.

Value: 1.

Offset

Description: Offset of data in physical message from start of logical message.

Data type: MQLONG.

Value: 0.

MsgFlags

Description: Message flags that specify attributes of the message or control its processing.

Data type: MQLONG.

Value: MQMF_NONE.

OriginalLength

Description: Length of original message.

Data type: MQLONG.

Value: MQOL_UNDEFINED.

Event message MQCFH (PCF header)

The message data in event messages is in programmable command format (PCF), as used in PCF command inquiries and responses. The message data consists of two parts: the event header and the event data.

The MQCFH header specifies the following information:

- The category of event: whether the event is a queue manager, performance, channel, configuration, command, or logger event.
- A reason code specifying the cause of the event. For events caused by MQI calls, this reason code is the same as the reason code for the MQI call.

Reason codes have names that begin with the characters MQRC_. For example, the reason code MQRC_PUT_INHIBITED is generated when an application attempts to put a message on a queue that is not enabled for puts.

For an event, the MQCFH structure contains the following values:

Type

Description: Structure type that identifies the content of the message.

Data type: MQLONG.

Value: **MQCFT_EVENT**
Message is reporting an event.

StrucLength

Description: Structure length.

Data type: MQLONG.

Value: **MQCFH_STRUC_LENGTH**
Length in bytes of MQCFH structure.

Version

Description: Structure version number.

Data type: MQLONG.

Values:

- MQCFH_VERSION_1**
Version-1 in all events except configuration and command events.
- MQCFH_VERSION_2**
Version-2 for configuration events.
- MQCFH_VERSION_3**
Version-3 for command events.

Command

Description: Command identifier. This identifies the event category.

Data type: MQLONG.

Values:

- MQCMD_Q_MGR_EVENT**
Queue manager event.
- MQCMD_PERFM_EVENT**
Performance event.
- MQCMD_CHANNEL_EVENT**
Channel event.
- MQCMD_CONFIG_EVENT**
Configuration event.
- MQCMD_COMMAND_EVENT**
Command event.
- MQCMD_LOGGER_EVENT**
Logger event.

MsgSeqNumber

Description: Message sequence number. This is the sequence number of the message within a group of related messages.

Data type: MQLONG.

Values:

- 1**
For change object configuration events with attribute values before the changes, and for all other types of events.
- 2**
For change object configuration events with the attribute values after the changes

Control

Description: Control options.

Data type: MQLONG.

Values: **MQCFC_LAST**
For change object configuration events with attribute values after the changes, and for all other types of events.

MQCFC_NOT_LAST
For Change Object configurations events only, with the attribute values from before the changes.

CompCode

Description: Completion code.

Data type: MQLONG.

Values: **MQCC_OK**
Event reporting OK condition.

MQCC_WARNING
Event reporting warning condition. All events have this completion code, unless otherwise specified.

Reason

Description: Reason code qualifying completion code.

Data type: MQLONG.

Values: MQRC_* Dependent on the event being reported.

Note: Events with the same reason code are further identified by the *ReasonQualifier* parameter in the event data.

ParameterCount

Description: Count of parameter structures. This is the number of parameter structures that follow the MQCFH structure. A group structure (MQCFGR), and its included parameter structures, are counted as one structure only.

Data type: MQLONG.

Values: 0 or greater.

Event message descriptions

The event message data contains information specific to the event that was generated. This data includes the name of the queue manager and, where appropriate, the name of the queue.

The data structures returned depend on which particular event was generated. In addition, for some events, certain parameters of the structures are optional, and are returned only if they contain information that is relevant to the circumstances giving rise to the event. The values in the data structures depend on the circumstances that caused the event to be generated.

Note:

1. The PCF structures in the message data are not returned in a defined order. They must be identified from the parameter identifiers shown in the description.
2. Events are available on all platforms, unless specific limitations are shown at the start of an event description.

Alias Base Queue Type Error

Event name:	Alias Base Queue Type Error.
Reason code in MQCFH:	MQRC_ALIAS_BASE_Q_TYPE_ERROR (2001, X'7D1'). Alias base queue not a valid type.
Event description:	An MQOPEN or MQPUT1 call was issued specifying an alias queue as the destination, but the <i>BaseObjectName</i> in the alias queue definition resolves to a queue that is not a local queue, or local definition of a remote queue.
Event type:	Local.
Platforms:	All.
Event queue:	SYSTEM.ADMIN.QMGR.EVENT.

Event data

QMgrName

Description:	Name of the queue manager generating the event.
Identifier:	MQCA_Q_MGR_NAME.
Data type:	MQCFST.
Maximum length:	MQ_Q_MGR_NAME_LENGTH.
Returned:	Always.

QName

Description:	Queue name from object descriptor (MQOD).
Identifier:	MQCA_Q_NAME.
Data type:	MQCFST.
Maximum length:	MQ_Q_NAME_LENGTH.
Returned:	Always.

BaseObjectName

Description:	Object name to which the alias resolves.
Identifier:	MQCA_BASE_OBJECT_NAME. For compatibility with existing applications you can still use MQCA_BASE_Q_NAME.
Data type:	MQCFST.
Maximum length:	MQ_Q_NAME_LENGTH.
Returned:	Always.

QType

Description:	Type of queue to which the alias resolves.
Identifier:	MQIA_Q_TYPE.
Data type:	MQCFIN.

Values: **MQQT_ALIAS**
Alias queue definition.
MQQT_MODEL
Model queue definition.

Returned: Always.

ApplType

Description: Type of the application making the call that caused the event.
Identifier: MQIA_APPL_TYPE.
Data type: MQCFIN.
Returned: Always.

ApplName

Description: Name of the application making the call that caused the event.
Identifier: MQCACF_APPL_NAME.
Data type: MQCFST.
Maximum length: MQ_APPL_NAME_LENGTH.
Returned: Always.

ObjectQMgrName

Description: Name of the object queue manager.
Identifier: MQCACF_OBJECT_Q_MGR_NAME.
Data type: MQCFST.
Maximum length: MQ_Q_MGR_NAME_LENGTH.
Returned: If the *ObjectName* in the object descriptor (MQOD), when the object was opened, is not the queue manager currently connected.

ConnName

Description: Connection name for client connection.
Identifier: MQCACH_CONNECTION_NAME.
Data type: MQCFST.
Maximum length: MQ_CONN_NAME_LENGTH.
Returned: If the application making the MQI call that caused the event is a client attached application.

ChannelName

Description: Channel name for client connection.
Identifier: MQCACH_CHANNEL_NAME.
Data type: MQCFST.
Maximum length: MQ_CHANNEL_NAME_LENGTH.
Returned: If the application making the MQI call that caused the event is a client attached application.

Bridge Started

Event name:	Bridge Started.
Reason code in MQCFH:	MQRC_BRIDGE_STARTED (2125, X'84D'). Bridge started.
Event description:	The IMS bridge has been started.
Event type:	IMS Bridge.
Platforms:	WebSphere MQ for z/OS only.
Event queue:	SYSTEM.ADMIN.CHANNEL.EVENT.

Event data

QMgrName

Description:	Name of the queue manager generating the event.
Identifier:	MQCA_Q_MGR_NAME.
Data type:	MQCFST.
Maximum length:	MQ_Q_MGR_NAME_LENGTH.
Returned:	Always.

BridgeType

Description:	Bridge type.
Identifier:	MQIACF_BRIDGE_TYPE.
Data type:	MQCFIN.
Values:	MQBT_OTMA OTMA bridge.
Returned:	Always.

BridgeName

Description:	Bridge name. For bridges of type MQBT_OTMA, the name is of the form XCFgroupXCFmember, where XCFgroup is the XCF group name to which both IMS and WebSphere MQ belong. XCFmember is the XCF member name of the IMS system.
Identifier:	MQCACF_BRIDGE_NAME.
Data type:	MQCFST.
Maximum length:	MQ_BRIDGE_NAME_LENGTH.
Returned:	Always.

Bridge Stopped

Event name:	Bridge Stopped.
Reason code in MQCFH:	MQRC_BRIDGE_STOPPED (2126, X'84E'). Bridge stopped.

Event description:	The IMS bridge has been stopped.
Event type:	IMS Bridge.
Platforms:	WebSphere MQ for z/OS only.
Event queue:	SYSTEM.ADMIN.CHANNEL.EVENT.

Event data

QMgrName

Description:	Name of the queue manager generating the event.
Identifier:	MQCA_Q_MGR_NAME.
Data type:	MQCFST.
Maximum length:	MQ_Q_MGR_NAME_LENGTH.
Returned:	Always.

ReasonQualifier

Description:	Identifier that qualifies the reason code in MQCFH.
Identifier:	MQIACF_REASON_QUALIFIER.
Data type:	MQCFIN.
Values:	<p>MQRQ_BRIDGE_STOPPED_OK Bridge has been stopped with either a zero return code or a warning return code. For MQBT_OTMA bridges, one side or the other issued a normal IXCLEAVE request.</p> <p>MQRQ_BRIDGE_STOPPED_ERROR Bridge has been stopped but there is an error reported.</p>
Returned:	Always.

BridgeType

Description:	Bridge type.
Identifier:	MQIACF_BRIDGE_TYPE.
Data type:	MQCFIN.
Value:	<p>MQBT_OTMA OTMA bridge.</p>
Returned:	Always.

BridgeName

Description:	Bridge name. For bridges of type MQBT_OTMA, the name is of the form XCFgroupXCFmember, where XCFgroup is the XCF group name to which both IMS and WebSphere MQ belong. XCFmember is the XCF member name of the IMS system.
Identifier:	MQCACF_BRIDGE_NAME.
Data type:	MQCFST.
Maximum length:	MQ_BRIDGE_NAME_LENGTH.
Returned:	Always.

ErrorIdentifier

Description:	When a bridge is stopped because of an error, this code identifies the error. If the event reports a bridge stop failure, the IMS sense code is set.
Identifier:	MQIACF_ERROR_IDENTIFIER.
Data type:	MQCFIN.
Returned:	If <i>ReasonQualifier</i> is MQRQ_BRIDGE_STOPPED_ERROR.

Change object

Event name:	Change object.
Reason code in MQCFH:	MQRC_CONFIG_CHANGE_OBJECT (2368, X'940'). Existing object changed.
Event description:	An ALTER or DEFINE REPLACE command or an MQSET call was issued that successfully changed an existing object.
Event type:	Configuration.
Platforms:	All.
Event queue:	SYSTEM.ADMIN.CONFIG.EVENT.

Note: Two event messages are generated for the change object event. The first has the object attribute values **before** the change, the second has the attribute values **after** the change.

Event data

EventUserId

Description:	The user id that issued the command or call that generated the event. (This is the same user id that is used to check the authority to issue the command or call; for commands received from a queue, this is also the user identifier (UserIdentifier) from the MQMD of the command message).
Identifier:	MQCACF_EVENT_USER_ID.
Datatype:	MQCFST.
Maximum length:	MQ_USER_ID_LENGTH.
Returned:	Always.

EventOrigin

Description:	The origin of the action causing the event.
Identifier:	MQIACF_EVENT_ORIGIN.
Datatype:	MQCFIN.

Values:	<p>MQEVO_CONSOLE Console command.</p> <p>MQEVO_INIT Initialization input data set command.</p> <p>MQEVO_INTERNAL Directly by queue manager.</p> <p>MQEVO_MQSET MQSET call.</p> <p>MQEVO_MSG Command message on SYSTEM.COMMAND.INPUT.</p> <p>MQEVO_OTHER None of the above.</p>
Returned:	Always.

EventQMgr

Description:	The queue manager where the command or call was entered. (The queue manager where the command is executed and that generates the event is in the MQMD of the event message).
Identifier:	MQCACF_EVENT_Q_MGR.
Datatype:	MQCFST.
Maximum length:	MQ_Q_MGR_NAME_LENGTH.
Returned:	Always.

EventAccountingToken

Description:	For commands received as a message (MQEVO_MSG), the accounting token (AccountingToken) from the MQMD of the command message.
Identifier:	MQBACF_EVENT_ACCOUNTING_TOKEN.
Datatype:	MQCFBS.
Maximum length:	MQ_ACCOUNTING_TOKEN_LENGTH.
Returned:	Only if EventOrigin is MQEVO_MSG.

EventApplIdentity

Description:	For commands received as a message (MQEVO_MSG), application identity data (ApplIdentityData) from the MQMD of the command message.
Identifier:	MQCACF_EVENT_APPL_IDENTITY.
Datatype:	MQCFST.
Maximum length:	MQ_APPL_IDENTITY_DATA_LENGTH.
Returned:	Only if EventOrigin is MQEVO_MSG.

EventApplType

Description:	For commands received as a message (MQEVO_MSG), the type of application (PutApplType) from the MQMD of the command message.
Identifier:	MQIACF_EVENT_APPL_TYPE.
Datatype:	MQCFIN.

Returned: Only if EventOrigin is MQEVO_MSG.

EventApplName

Description: For commands received as a message (MQEVO_MSG), the name of the application (PutApplName) from the MQMD of the command message.

Identifier: MQCACF_EVENT_APPL_NAME.

Datatype: MQCFST.

Maximum length: MQ_APPL_NAME_LENGTH.

Returned: Only if EventOrigin is MQEVO_MSG.

EventApplOrigin

Description: For commands received as a message (MQEVO_MSG), the application origin data (ApplOriginData) from the MQMD of the command message.

Identifier: MQCACF_EVENT_APPL_ORIGIN.

Datatype: MQCFST.

Maximum length: MQ_APPL_ORIGIN_DATA_LENGTH.

Returned: Only if EventOrigin is MQEVO_MSG.

ObjectType

Description: Object type:

Identifier: MQIACF_OBJECT_TYPE.

Datatype: MQCFIN.

Values:

MQOT_CHANNEL
Channel.

MQOT_CHLAUTH
Channel authentication record.

MQOT_NAMELIST
Namelist.

MQOT_NONE
No object.

MQOT_PROCESS
Process.

MQOT_Q
Queue.

MQOT_Q_MGR
Queue manager.

MQOT_STORAGE_CLASS
Storage class.

MQOT_AUTH_INFO
Authentication information.

MQOT_CF_STRUC
CF structure.

MQOT_TOPIC
Topic.

MQOT_COMM_INFO
Communication information.

MQOT_LISTENER
Channel Listener.

Returned: Always.

ObjectName

Description: Object name:

Identifier : Identifier will be according to object type.

- MQCACH_CHANNEL_NAME
- MQCA_NAMELIST_NAME
- MQCA_PROCESS_NAME
- MQCA_Q_NAME
- MQCA_Q_MGR_NAME
- MQCA_STORAGE_CLASS
- MQCA_AUTH_INFO_NAME
- MQCA_CF_STRUC_NAME
- MQCA_TOPIC_NAME
- MQCA_COMM_INFO_NAME
- MQCACH_LISTENER_NAME

Note: MQCACH_CHANNEL_NAME can also be used for channel authentication.

Datatype: MQCFST.

Maximum length: MQ_OBJECT_NAME_LENGTH.

Returned: Always

Disposition

Description: Object disposition:

Identifier: MQIA_QSG_DISP.

Datatype: MQCFIN.

Values: **MQQSGD_Q_MGR**
Object resides on page set of queue manager.

MQQSGD_SHARED
Object resides in shared repository and messages are shared in coupling facility.

MQQSGD_GROUP
Object resides in shared repository.

MQQSGD_COPY
Object resides on page set of queue manager and is a local copy of a GROUP object.

Returned: Always, except for queue manager and CF structure objects.

Object attributes

A parameter structure is returned for each attribute of the object. The attributes returned depend on the object type. For more information see [“Object attributes for event data” on page 74.](#)

Channel Activated

Event name: Channel Activated.

Reason code in MQCFH: MQRC_CHANNEL_ACTIVATED (2295, X'8F7').
Channel activated.

Event description: This condition is detected when a channel that has been waiting to become active, and for which a Channel Not Activated event has been generated, is now able to become active, because an active slot has been released by another channel.

This event is not generated for a channel that is able to become active without waiting for an active slot to be released.

Event type: Channel.

Platforms: All.

Event queue: SYSTEM.ADMIN.CHANNEL.EVENT.

Event data

QMgrName

Description: Name of the queue manager generating the event.

Identifier: MQCA_Q_MGR_NAME.

Data type: MQCFST.

Maximum length: MQ_Q_MGR_NAME_LENGTH.

Returned: Always.

ChannelName

Description: Channel Name.
Identifier: MQCACH_CHANNEL_NAME.
Data type: MQCFST.
Maximum length: MQ_CHANNEL_NAME_LENGTH.
Returned: Always.

XmitQName

Description: Transmission queue name.
Identifier: MQCACH_XMIT_Q_NAME.
Data type: MQCFST.
Maximum length: MQ_Q_NAME_LENGTH.
Returned: For sender, server, cluster-sender, and cluster-receiver channels only.

ConnectionName

Description: If the channel has successfully established a TCP connection, this is the Internet address. Otherwise it is the contents of the *ConnectionName* field in the channel definition.
Identifier: MQCACH_CONNECTION_NAME.
Data type: MQCFST.
Maximum length: MQ_CONN_NAME_LENGTH.
Returned: Only for commands that do not contain a generic name.

Channel Auto-definition Error

Event name:	Channel Auto-definition Error.
Reason code in MQCFH:	MQRC_CHANNEL_AUTO_DEF_ERROR (2234, X'8BA'). Automatic channel definition failed.
Event description:	This condition is detected when the automatic definition of a channel fails; this may be because an error occurred during the definition process, or because the channel automatic-definition exit inhibited the definition. Additional information indicating the reason for the failure is returned in the event message.
Event type:	Channel.
Platforms:	All, except WebSphere MQ for z/OS.
Event queue:	SYSTEM.ADMIN.CHANNEL.EVENT.

Event data

QMgrName

Description: Name of the queue manager generating the event.

Identifier: MQCA_Q_MGR_NAME.
Data type: MQCFST.
Maximum length: MQ_Q_MGR_NAME_LENGTH.
Returned: Always.

ChannelName

Description: Name of the channel for which the auto-definiton has failed.
Identifier: MQCACH_CHANNEL_NAME.
Data type: MQCFST.
Maximum length: MQ_CHANNEL_NAME_LENGTH.
Returned: Always.

ChannelType

Description: Channel Type. This specifies the type of channel for which the auto-definition has failed.
Identifier: MQIACH_CHANNEL_TYPE.
Data type: MQCFIN.
Values: **MQCHT_RECEIVER**
Receiver.
MQCHT_SVRCONN
Server-connection (for use by clients).
MQCHT_CLUSSDR
Cluster-sender.
Returned: Always.

ErrorIdentifier

Description: Identifier of the cause of the error. This contains either the reason code (MQRC_* or MQRCCF_*) resulting from the channel definition attempt or the value MQRCCF_SUPPRESSED_BY_EXIT if the attempt to create the definition was disallowed by the exit.
Identifier: MQIACF_ERROR_IDENTIFIER.
Data type: MQCFIN.
Returned: Always.

ConnectionName

Description: Name of the partner attempting to establish connection.
Identifier: MQCACH_CONNECTION_NAME.
Data type: MQCFST.
Maximum length: MQ_CONN_NAME_LENGTH.
Returned: Always.

AuxErrorDataInt1

Description:	Auxiliary error data. This contains the value returned by the exit in the <i>Feedback</i> field of the MQCXP to indicate why the auto definition has been disallowed.
Identifier:	MQIACF_AUX_ERROR_DATA_INT_1.
Data type:	MQCFIN.
Returned:	Only if <i>ErrorIdentifier</i> contains MQRCCF_SUPPRESSED_BY_EXIT.

Channel Auto-definition OK

Event name:	Channel Auto-definition OK.
Reason code in MQCFH:	MQRChannel_AUTO_DEF_OK (2233, X'8B9'). Automatic channel definition succeeded.
Event description:	This condition is detected when the automatic definition of a channel is successful. The channel is defined by the MCA.
Event type:	Channel.
Platforms:	All, except WebSphere MQ for z/OS.
Event queue:	SYSTEM.ADMIN.CHANNEL.EVENT.

Event data

QMgrName

Description:	Name of the queue manager generating the event.
Identifier:	MQCA_Q_MGR_NAME.
Data type:	MQCFST.
Maximum length:	MQ_Q_MGR_NAME_LENGTH.
Returned:	Always.

ChannelName

Description:	Name of the channel being defined.
Identifier:	MQCACH_CHANNEL_NAME.
Data type:	MQCFST.
Maximum length:	MQ_CHANNEL_NAME_LENGTH.
Returned:	Always.

ChannelType

Description:	Type of channel being defined.
Identifier:	MQIACH_CHANNEL_TYPE.
Data type:	MQCFIN.

Values: **MQCHT_RECEIVER**
Receiver.
MQCHT_SVRCONN
Server-connection (for use by clients).
MQCHT_CLUSSDR
Cluster-sender.

Returned: Always.

ConnectionName

Description: Name of the partner attempting to establish connection.
Identifier: MQCACH_CONNECTION_NAME.
Data type: MQCFST.
Maximum length: MQ_CONN_NAME_LENGTH.
Returned: Always.

Channel Blocked

Event name:	Channel Blocked.
Reason code in MQCFH:	MQRC_CHANNEL_BLOCKED Channel blocked. MQRC_CHANNEL_BLOCKED_WARNING Channel blocked - warning mode.
Event description:	This event is issued when an attempt to start an inbound channel is blocked. For MQRC_CHANNEL_BLOCKED_WARNING, temporary access has been granted to the channel because the channel authentication record is defined with WARN set to YES.
Event type:	Channel.
Platforms:	All.
Event queue:	SYSTEM.ADMIN.CHANNEL.EVENT

Event data

QMgrName

Description: Name of the queue manager generating the event.
Identifier: MQCA_Q_MGR_NAME.
Data type: MQCFST.
Maximum length: MQ_Q_MGR_NAME_LENGTH.
Returned: Always.

Reason qualifier

Description: Identifier that qualifies the reason code
Identifier: MQIACF_REASON_QUALIFIER
Data type: MQCFIN.

Values:

- MQRQ_CHANNEL_BLOCKED_ADDRESS**
Channel was blocked due to its IP address being in the list to be refused
- MQRQ_CHANNEL_BLOCKED_USERID**
Channel was blocked due to its asserted or mapped user ID being in the list to be refused.
- MQRQ_CHANNEL_BLOCKED_NOACCESS**
Channel was blocked due to its IP address; SSL Peer name; remote queue manager name or client user ID being mapped to have no access.

Returned: Always.

ChannelName

Description: Channel Name.

Identifier: MQCACH_CHANNEL_NAME.

Data type: MQCFST.

Maximum length: MQ_CHANNEL_NAME_LENGTH.

Returned: If the Reason Qualifier is not MQRQ_CHANNEL_BLOCKED_ADDRESS. In that case the inbound connection is blocked before the channel name is known.

UserIdentifier

Description: User identifier that was blocked.

Identifier: MQCACF_USER_IDENTIFIER

Data type: MQCFST.

Maximum length: MQ_USER_ID_LENGTH

Returned: Only if the Reason Qualifier is MQRQ_CHANNEL_BLOCKED_USERID

ConnectionName

Description: Address of the partner attempting to establish connection

Identifier: MQCACH_CONNECTION_NAME.

Data type: MQCFST.

Maximum length: MQ_CONN_NAME_LENGTH.

Returned: Always

RemoteQMgrName

Description: Name of the partner queue manager attempting to establish connection.

Identifier: MQCA_REMOTE_Q_MGR_NAME

Data type: MQCFST.

Maximum length: MQ_Q_MGR_NAME_LENGTH

Returned: Only for inbound queue manager connections.

SSLPeerName

Description: The Distinguished Name in the certificate sent from the remote system.

Identifier: MQCACH_SSL_PEER_NAME

Data type: MQCFST.

Maximum length: MQ_DISTINGUISHED_NAME_LENGTH
Returned: Whenever the channel is using SSL and the client has not connected anonymously.

ClientUserIdentifier

Description: Client side user identifier of the partner attempting to establish connection.
Identifier: MQCACH_CLIENT_USER_ID
Data type: MQCFST.
Maximum length: MQ_USER_ID_LENGTH
Returned: Only for inbound client connections, if the Reason Qualifier is not MQRQ_CHANNEL_BLOCKED_ADDRESS. In that case the inbound connection is blocked before the client user Id name is known.

ApplType

Description: Type of application that made the API call.
Identifier: MQIA_APPL_TYPE
Data type: MQCFIN.
Returned: Only for inbound client connections. If the Reason Qualifier is not MQRQ_CHANNEL_BLOCKED_ADDRESS. In that case the inbound connection is blocked before the application name is known.

ApplName

Description: Name of the application that made the API call.
Identifier: MQCACF_APPL_NAME
Data type: MQCFST.
Maximum length: MQ_APPL_NAME_LENGTH
Returned: Only for inbound client connections. If the Reason Qualifier is not MQRQ_CHANNEL_BLOCKED_ADDRESS. In that case the inbound connection is blocked before the application name is known.

Channel Conversion Error

Event name:	Channel Conversion Error.
Reason code in MQCFH:	MQRC_CHANNEL_CONV_ERROR (2284, X'8EC'). Channel conversion error.
Event description:	This condition is detected when a channel is unable to carry out data conversion and the MQGET call to get a message from the transmission queue resulted in a data conversion error. The reason for the failure is identified by <i>ConversionReasonCode</i> .
Event type:	Channel.
Platforms:	All.
Event queue:	SYSTEM.ADMIN.CHANNEL.EVENT.

Event data

QMgrName

Description: Name of the queue manager generating the event.
Identifier: MQCA_Q_MGR_NAME.
Data type: MQCFST.
Maximum length: MQ_Q_MGR_NAME_LENGTH.
Returned: Always.

ConversionReasonCode

Description: Identifier of the cause of the conversion error.
Identifier: MQIACF_CONV_REASON_CODE.
Data type: MQCFIN.
Values: **MQRC_CONVERTED_MSG_TOO_BIG (2120, X'848')**
Converted message too big for application buffer.
MQRC_FORMAT_ERROR (2110, X'83E')
Message format not valid.
MQRC_NOT_CONVERTED (2119, X'847')
Application message data not converted.
MQRC_SOURCE_CCSID_ERROR (2111, X'83F')
Source coded character set identifier not valid.
MQRC_SOURCE_DECIMAL_ENC_ERROR (2113, X'841')
Packed-decimal encoding in message not recognized.
MQRC_SOURCE_FLOAT_ENC_ERROR (2114, X'842')
Floating-point encoding in message not recognized.
MQRC_SOURCE_INTEGER_ENC_ERROR (2112, X'840')
Integer encoding in message not recognized.
MQRC_TARGET_CCSID_ERROR (2115, X'843')
Target coded character set identifier not valid.
MQRC_TARGET_DECIMAL_ENC_ERROR (2117, X'845')
Packed-decimal encoding specified by receiver not recognized.
MQRC_TARGET_FLOAT_ENC_ERROR (2118, X'846')
Floating-point encoding specified by receiver not recognized.
MQRC_TARGET_INTEGER_ENC_ERROR (2116, X'844')
Integer encoding specified by receiver not recognized.
MQRC_TRUNCATED_MSG_ACCEPTED (2079, X'81F')
Truncated message returned (processing completed).
MQRC_TRUNCATED_MSG_FAILED (2080, X'820')
Truncated message returned (processing not completed).
Returned: Always.

ChannelName

Description: Channel name.
Identifier: MQCACH_CHANNEL_NAME.
Data type: MQCFST.

Maximum length: MQ_CHANNEL_NAME_LENGTH.

Returned: Always.

Format

Description: Format name.

Identifier: MQCACH_FORMAT_NAME.

Data type: MQCFST.

Maximum length: MQ_FORMAT_LENGTH.

Returned: Always.

XmitQName

Description: Transmission queue name.

Identifier: MQCACH_XMIT_Q_NAME.

Data type: MQCFST.

Maximum length: MQ_Q_NAME_LENGTH.

Returned: Always.

ConnectionName

Description: If the channel has successfully established a TCP connection, this is the Internet address. Otherwise it is the contents of the *ConnectionName* field in the channel definition.

Identifier: MQCACH_CONNECTION_NAME.

Data type: MQCFST.

Maximum length: MQ_CONN_NAME_LENGTH.

Returned: Always.

Channel Not Activated

Event name: Channel Not Activated.

Reason code in MQCFH: MQRC_CHANNEL_NOT_ACTIVATED (2296, X'8F8').
Channel cannot be activated.

Event description: This condition is detected when a channel is required to become active, either because it is starting, or because it is about to make another attempt to establish connection with its partner. However, it is unable to do so because the limit on the number of active channels has been reached. See the following:

- MaxActiveChannels parameter in the qm.ini file for AIX, HP-UX, and Solaris
- MaxActiveChannels parameter in the Registry for Windows.
- ACTCHL parameter on the ALTER QMGR command for z/OS

The channel waits until it is able to take over an active slot released when another channel ceases to be active. At that time a Channel Activated event is generated.

Event type: Channel.

Platforms:	All.
Event queue:	SYSTEM.ADMIN.CHANNEL.EVENT.

Event data

QMgrName

Description:	Name of the queue manager generating the event.
Identifier:	MQCA_Q_MGR_NAME.
Data type:	MQCFST.
Maximum length:	MQ_Q_MGR_NAME_LENGTH.
Returned:	Always.

ChannelName

Description:	Channel name.
Identifier:	MQCACH_CHANNEL_NAME.
Data type:	MQCFST.
Maximum length:	MQ_CHANNEL_NAME_LENGTH.
Returned:	Always.

XmitQName

Description:	Transmission queue name.
Identifier:	MQCACH_XMIT_Q_NAME.
Data type:	MQCFST.
Maximum length:	MQ_Q_NAME_LENGTH.
Returned:	For sender, server, cluster-sender, and cluster-receiver channel types only.

ConnectionName

Description:	If the channel has successfully established a TCP connection, this is the Internet address. Otherwise it is the contents of the <i>ConnectionName</i> field in the channel definition.
Identifier:	MQCACH_CONNECTION_NAME.
Data type:	MQCFST.
Maximum length:	MQ_CONN_NAME_LENGTH.
Returned:	Only for commands that do not contain a generic name.

Channel Not Available

Event name:	Channel Not Available.
Reason code in MQCFH:	MQRC_CHANNEL_NOT_AVAILABLE (2537, X'9E9'). Channel not available.
Event description:	This is issued when an attempt to start an inbound channel is rejected.
Event type:	Channel.

Platforms: All.
Event queue: SYSTEM.ADMIN.CHANNEL.EVENT.

Event data

QMgrName

Description: Name of the queue manager generating the event.
Identifier: MQCA_Q_MGR_NAME.
Data type: MQCFST.
Maximum length: MQ_Q_MGR_NAME_LENGTH.
Returned: Always.

ReasonQualifier

Description: Identifier that qualifies the reason code.
Identifier: MQIACF_REASON_QUALIFIER.
Data type: MQCFIN.
Values: **MQRQ_MAX_ACTIVE_CHANNELS**
Channel was unavailable due to maximum active channel instances (MaxActiveChannels qm.ini stanza on distributed or ACTCHL MQSC keyword on z/OS) limit being reached for the queue manager.
MQRQ_MAX_CHANNELS
Channel was unavailable due to maximum channel instances (MaxChannels qm.ini stanza on distributed or MAXCHL MQSC keyword on z/OS) limit being reached for the queue manager.
MQRQ_SVRCONN_INST_LIMIT
Channel was unavailable due to maximum active channel instances (MAXINST) limit being reached for the channel.
MQRQ_CLIENT_INST_LIMIT
Channel was unavailable due to maximum active channel instances (MAXINSTC) limit being reached for the client for the channel.
MQRQ_CAF_NOT_INSTALLED (z/OS only)
Channel was unavailable due to the client attach feature not being installed.
Returned: Always.

ChannelName

Description: Channel name.
Identifier: MQCACH_CHANNEL_NAME.
Data type: MQCFST.
Maximum length: MQ_CHANNEL_NAME_LENGTH.
Returned: Always.

ConnectionName

Description: Address of the partner attempting to establish connection.
Identifier: MQCACH_CONNECTION_NAME.
Data type: MQCFST.

Maximum length: MQ_CONN_NAME_LENGTH.

Returned: Always.

MaximumActiveChannels

Description: Maximum active channels.

Identifier: MQIA_ACTIVE_CHANNELS

Data type: MQCFIN.

Returned: Only where reason qualifier MQRQ_MAX_ACTIVE_CHANNELS.

MaximumChannels

Description: Maximum channels.

Identifier: MQIA_MAX_CHANNELS

Data type: MQCFIN

Returned: Only where reason qualifier MQRQ_MAX_CHANNELS.

MaximumInstances

Description: Maximum channel instances.

Identifier: MQIACH_MAX_INSTANCES

Data type: MQCFIN

Returned: Only where reason qualifier MQRQ_SVRCONN_INST_LIMIT.

MaximumClientInstances

Description: Maximum channel instances per client.

Identifier: MQIACH_MAX_INSTS_PER_CLIENT

Data type: MQCFIN

Returned: Only where reason qualifier MQRQ_CLIENT_INST_LIMIT.

Channel SSL Error

Event name: Channel SSL Error.

Reason code in MQCFH: MQRC_CHANNEL_SSL_ERROR (2371, X'943').
Channel SSL Error.

Event description: This condition is detected when a channel using Secure Sockets Layer (SSL) or Transport Layer Security (TLS) fails to establish a connection. *ReasonQualifier* identifies the nature of the error.

Event type: SSL.

Platforms: All.

Event queue: SYSTEM.ADMIN.CHANNEL.EVENT.

Event data

QMgrName

Description: Name of the queue manager generating the event.

Identifier: MQCA_Q_MGR_NAME.
Data type: MQCFST.
Maximum length: MQ_Q_MGR_NAME_LENGTH.
Returned: Always.

ReasonQualifier

Description: Identifier that qualifies the reason code.

Identifier: MQIACF_REASON_QUALIFIER.

Data type: MQCFIN.

Values:

MQRQ_SSL_HANDSHAKE_ERROR

The key exchange / authentication failure arose during the SSL or TLS handshake.

MQRQ_SSL_CIPHER_SPEC_ERROR

This error can mean any one of the following:

- The SSL or TLS client CipherSpec does not match that on the SSL or TLS server channel definition.
- An invalid CipherSpec has been specified.
- A CipherSpec has only been specified on one end of the SSL or TLS channel.

MQRQ_SSL_PEER_NAME_ERROR

The Distinguished Name in the certificate sent by one end of the SSL or TLS channel does not match the peer name on the end of the channel definition at the other end of the SSL or TLS channel.

MQRQ_SSL_CLIENT_AUTH_ERROR

The SSL or TLS server channel definition specified either SSLCAUTH(REQUIRED) or a SSLPEER value that was not blank, but the SSL or TLS client did not provide a certificate.

Returned: Always.

ChannelName

Description: Channel Name.

Identifier: MQCACH_CHANNEL_NAME.

Data type: MQCFST.

Maximum length: MQ_CHANNEL_NAME_LENGTH.

Returned: The *ChannelName* might not be available if the channel has not yet got far enough through its start-up process, in this case the channel name will not be returned. Otherwise always.

XmitQName

Description: Transmission queue name.

Identifier: MQCACH_XMIT_Q_NAME.

Data type: MQCFST.

Returned: For sender, server, cluster-sender and cluster-receiver channels only.

ConnectionName

Description:	If the channel has successfully established a TCP connection, this is the Internet address. Otherwise it is the contents of the ConnectionName field in the channel definition.
Identifier:	MQCACH_CONNECTION_NAME.
Data type:	MQCFST.
Maximum length:	MQ_CONN_NAME_LENGTH.
Returned:	The <i>ConnectionName</i> might not be available if the channel has not yet got far enough through its start-up process, in this case the connection name will not be returned. Otherwise always.

SSLHandshakeStage

Description:	Information about the SSL or TLS function call giving the error. For z/OS, details of function names can be found in the <i>System Secure Sockets Layer Programming Guide and Reference SC24-5877</i> .
Identifier:	MQCACH_SSL_HANDSHAKE_STAGE.
Data type:	MQCFST.
Maximum length:	MQ_SSL_HANDSHAKE_STAGE_LENGTH.
Returned:	This field is only present if <i>ReasonQualifier</i> is set to MQRQ_SSL_HANDSHAKE_ERROR.

SSLReturnCode

Description:	A numeric return code from a failing SSL or TLS call. Details of SSL or TLS Return Codes for specific platforms can be found as follows: <ul style="list-style-type: none">• For platforms other than z/OS, see Secure Sockets Layer (SSL) return codes.
Identifier:	MQIACH_SSL_RETURN_CODE.
Data type:	MQCFIN.
Returned:	This field is only present if <i>ReasonQualifier</i> is set to MQRQ_SSL_HANDSHAKE_ERROR.

SSLPeerName

Description:	The Distinguished Name in the certificate sent from the remote system.
Identifier:	MQCACH_SSL_PEER_NAME.
Data type:	MQCFST.
Maximum length:	MQ_DISTINGUISHED_NAME_LENGTH.
Returned:	This field is only present if <i>ReasonQualifier</i> is set to MQRQ_SSL_PEER_NAME_ERROR and is not always present for this reason qualifier.

Channel SSL Warning

Event name: Channel SSL Warning.

Reason code in MQCFH:	MQRC_CHANNEL_SSL_WARNING (2552, X'9F8'). Channel SSL Warning.
Event description:	This condition is detected when a channel using Secure Sockets Layer (SSL) or Transport Layer Security (TLS) experiences a problem that does not cause it to fail to establish an SSL or TLS connection. <i>ReasonQualifier</i> identifies the nature of the event.
Event type:	SSL.
Platforms:	All.
Event queue:	SYSTEM.ADMIN.CHANNEL.EVENT.

Event data

QMgrName

Description:	Name of the queue manager generating the event.
Identifier:	MQCA_Q_MGR_NAME.
Data type:	MQCFST.
Maximum length:	MQ_Q_MGR_NAME_LENGTH.
Returned:	Always.

ReasonQualifier

Description:	Identifier that qualifies the reason code.
Identifier:	MQIACF_REASON_QUALIFIER.
Data type:	MQCFIN.
Values:	MQRQ_SSL_UNKNOWN_REVOCATION An OCSP responder returned a response of Unknown. WebSphere MQ is configured to produce warnings but allow the connection to continue.
Returned:	Always.

ChannelName

Description:	Channel Name.
Identifier:	MQCACH_CHANNEL_NAME.
Data type:	MQCFST.
Maximum length:	MQ_CHANNEL_NAME_LENGTH.
Returned:	The <i>ChannelName</i> might not be available if the channel has not yet got far enough through its start-up process, in this case the channel name will not be returned. Otherwise always.

XmitQName

Description:	Transmission queue name.
Identifier:	MQCACH_XMIT_Q_NAME.
Data type:	MQCFST.
Returned:	For sender, server, cluster-sender and cluster-receiver channels only.

ConnectionName

Description:	If the channel has successfully established a TCP connection, this is the Internet address. Otherwise it is the contents of the ConnectionName field in the channel definition.
Identifier:	MQCACH_CONNECTION_NAME.
Data type:	MQCFST.
Maximum length:	MQ_CONN_NAME_LENGTH.
Returned:	The <i>ConnectionName</i> may not be available if the channel has not yet got far enough through its start-up process, in this case the connection name will not be returned. Otherwise always.

Channel Started

Event name:	Channel Started.
Reason code in MQCFH:	MQRC_CHANNEL_STARTED (2282, X'8EA'). Channel started.
Event description:	Either an operator has issued a Start Channel command, or an instance of a channel has been successfully established. This condition is detected when Initial Data negotiation is complete and resynchronization has been performed where necessary, such that message transfer can proceed.
Event type:	Channel.
Platforms:	All. Client connections do not produce this event.
Event queue:	SYSTEM.ADMIN.CHANNEL.EVENT.

Event data

QMgrName

Description:	Name of the queue manager generating the event.
Identifier:	MQCA_Q_MGR_NAME.
Data type:	MQCFST.
Maximum length:	MQ_Q_MGR_NAME_LENGTH.
Returned:	Always.

ChannelName

Description:	Channel name.
Identifier:	MQCACH_CHANNEL_NAME.
Data type:	MQCFST.
Maximum length:	MQ_CHANNEL_NAME_LENGTH.
Returned:	Always.

XmitQName

Description:	Transmission queue name.
Identifier:	MQCACH_XMIT_Q_NAME.

Data type: MQCFST.
 Maximum length: MQ_Q_NAME_LENGTH.
 Returned: For sender, server, cluster-sender, and cluster-receiver channels only.

ConnectionName

Description: If the channel has successfully established a TCP connection, this is the Internet address. Otherwise it is the contents of the *ConnectionName* field in the channel definition.
 Identifier: MQCACH_CONNECTION_NAME.
 Data type: MQCFST.
 Maximum length: MQ_CONN_NAME_LENGTH.
 Returned: Only for commands that do not contain a generic name.

Channel Stopped

Event name:	Channel Stopped.
Reason code in MQCFH:	MQRC_CHANNEL_STOPPED (2283, X'8EB'). Channel stopped.
Event description:	This is issued when a channel instance stops. It will only be issued if the channel instance previously issued a channel started event.
Event type:	Channel.
Platforms:	All. Client connections do not produce this event.
Event queue:	SYSTEM.ADMIN.CHANNEL.EVENT.

Event data

QMgrName

Description: Name of the queue manager generating the event.
 Identifier: MQCA_Q_MGR_NAME.
 Data type: MQCFST.
 Maximum length: MQ_Q_MGR_NAME_LENGTH.
 Returned: Always.

ReasonQualifier

Description: Identifier that qualifies the reason code.
 Identifier: MQIACF_REASON_QUALIFIER.
 Data type: MQCFIN.

Values:

MQRQ_CHANNEL_STOPPED_OK
Channel has been closed with either a zero return code or a warning return code.

MQRQ_CHANNEL_STOPPED_ERROR
Channel has been closed but there is an error reported and the channel is not in stopped or retry state.

MQRQ_CHANNEL_STOPPED_RETRY
Channel has been closed and it is in retry state.

MQRQ_CHANNEL_STOPPED_DISABLED
Channel has been closed and it is in a stopped state.

Returned: Always.

ChannelName

Description: Channel name.

Identifier: MQCACH_CHANNEL_NAME.

Data type: MQCFST.

Maximum length: MQ_CHANNEL_NAME_LENGTH.

Returned: Always.

ErrorIdentifier

Description: Identifier of the cause of the error. If a channel is stopped due to an error, this is the code that identifies the error. If the event message is because of a channel stop failure, the following fields are set:

1. *ReasonQualifier*, containing the value MQRQ_CHANNEL_STOPPED_ERROR
2. *ErrorIdentifier*, containing the code number of an error message that describes the error
3. *AuxErrorDataInt1*, containing error message integer insert 1
4. *AuxErrorDataInt2*, containing error message integer insert 2
5. *AuxErrorDataStr1*, containing error message string insert 1
6. *AuxErrorDataStr2*, containing error message string insert 2
7. *AuxErrorDataStr3*, containing error message string insert 3

The meanings of the error message inserts depend on the code number of the error message. Details of error-message code numbers and the inserts for specific platforms can be found as follows:

- For platforms other than z/OS, the last four digits of *ErrorIdentifier* when displayed in hexadecimal notation indicate the decimal code number of the error message.

For example, if *ErrorIdentifier* has the value X'xxxxyyyy', the message code of the error message explaining the error is AMQyyyy. See [“Diagnostic messages: AMQ4000-9999” on page 230](#) for a description of these error messages.

Identifier: MQIACF_ERROR_IDENTIFIER.

Data type: MQCFIN.

Returned: Always.

AuxErrorDataInt1

Description: First integer of auxiliary error data for channel errors. If a channel is stopped due to an error, this is the first integer parameter that qualifies the error. This information is for use by IBM service personnel; include it in any problem report that you submit to IBM regarding this event message.

Identifier: MQIACF_AUX_ERROR_DATA_INT_1.

Data type: MQCFIN.

Returned: Always.

AuxErrorDataInt2

Description: Second integer of auxiliary error data for channel errors. If a channel is stopped due to an error, this is the second integer parameter that qualifies the error. This information is for use by IBM service personnel; include it in any problem report that you submit to IBM regarding this event message.

Identifier: MQIACF_AUX_ERROR_DATA_INT_2.

Data type: MQCFIN.

Returned: Always.

AuxErrorDataStr1

Description: First string of auxiliary error data for channel errors. If a channel is stopped due to an error, this is the first string parameter that qualifies the error. This information is for use by IBM service personnel; include it in any problem report that you submit to IBM regarding this event message.

Identifier: MQCACF_AUX_ERROR_DATA_STR_1.

Data type: MQCFST.

Returned: Always.

AuxErrorDataStr2

Description: Second string of auxiliary error data for channel errors. If a channel is stopped due to an error, this is the second string parameter that qualifies the error. This information is for use by IBM service personnel; include it in any problem report that you submit to IBM regarding this event message.

Identifier: MQCACF_AUX_ERROR_DATA_STR_2.

Data type: MQCFST.

Returned: Always.

AuxErrorDataStr3

Description: Third string of auxiliary error data for channel errors. If a channel is stopped due to an error, this is the third string parameter that qualifies the error. This information is for use by IBM service personnel; include it in any problem report that you submit to IBM regarding this event message.

Identifier: MQCACF_AUX_ERROR_DATA_STR_3.

Data type: MQCFST.

Returned: Always.

XmitQName

Description:	Transmission queue name.
Identifier:	MQCACH_XMIT_Q_NAME.
Data type:	MQCFST.
Maximum length:	MQ_Q_NAME_LENGTH.
Returned:	For sender, server, cluster-sender, and cluster-receiver channels only.

ConnectionName

Description:	If the channel has successfully established a TCP connection, this is the Internet address. Otherwise it is the contents of the <i>ConnectionName</i> field in the channel definition.
Identifier:	MQCACH_CONNECTION_NAME.
Data type:	MQCFST.
Maximum length:	MQ_CONN_NAME_LENGTH.
Returned:	Only for commands that do not contain a generic name.

Channel Stopped By User

Event name:	Channel Stopped By User.
Reason code in MQCFH:	MQRC_CHANNEL_STOPPED_BY_USER (2279, X'8E7'). Channel stopped by user.
Event description:	This is issued when a user issues a STOP CHL command. <i>ReasonQualifier</i> identifies the reasons for stopping.
Event type:	Channel.
Platforms:	All.
Event queue:	SYSTEM.ADMIN.CHANNEL.EVENT.

Event data

QMgrName

Description:	Name of the queue manager generating the event.
Identifier:	MQCA_Q_MGR_NAME.
Data type:	MQCFST.
Maximum length:	MQ_Q_MGR_NAME_LENGTH.
Returned:	Always.

ReasonQualifier

Description:	Identifier that qualifies the reason code.
Identifier:	MQIACF_REASON_QUALIFIER.
Data type:	MQCFIN.
Values:	MQRQ_CHANNEL_STOPPED_DISABLED Channel has been closed and it is in a stopped state.

Returned: Always.

ChannelName

Description: Channel name.
Identifier: MQCACH_CHANNEL_NAME.
Data type: MQCFST.
Maximum length: MQ_CHANNEL_NAME_LENGTH.
Returned: Always.

Command

Event name:	Command.
Reason code in MQCFH:	MQRC_COMMAND_MQSC (2412, X'96C'). MQSC command successfully issued, or, MQRC_COMMAND_PCF (2413, X'96D'). PCF command successfully issued.
Event description:	Command successfully issued.
Event type:	Command.
Platforms:	All.
Event queue:	SYSTEM.ADMIN.COMMAND.EVENT.

Event data

The event data consists of two groups, *CommandContext* and *CommandData*.

CommandContext

Description: PCF group containing the elements related to the context of the issued command.

Identifier: MQGACF_COMMAND_CONTEXT.

Data type: MQCFGR.

PCF elements in group:

- *EventUserId*
- *EventSecurityId*
- *EventOrigin*
- *EventQMgr*
- *EventAccountingToken*
- *EventIdentityData*
- *EventApplType*
- *EventApplName*
- *EventApplOrigin*
- *Command*

Returned: Always.

EventUserId

Description:	The user ID that issued the command or call that generated the event. (This is the same user ID that is used to check the authority to issue the command; for commands received from a queue, this is also the user identifier (UserIdentifier) from the MQMD of the command message).
Identifier:	MQCACF_EVENT_USER_ID.
Data type:	MQCFST.
Maximum length:	MQ_USER_ID_LENGTH.
Returned:	Always.

Windows EventSecurityId

Description:	The security ID (an extension to the user ID) that issued the command or call that generated the event.
Identifier:	MQBACF_EVENT_SECURITY_ID.
Data type:	MQCFBS.
Maximum length:	MQ_SECURITY_ID_LENGTH.
Returned:	Only on Windows.

EventOrigin

Description:	The origin of the action causing the event.
Identifier:	MQIACF_EVENT_ORIGIN.
Data type:	MQCFIN.
Values:	MQEVO_CONSOLE Console command. MQEVO_INIT Initialization input data set command. MQEVO_MSG Command message on SYSTEM.COMMAND.INPUT. MQEVO_INTERNAL Directly by queue manager. MQEVO_OTHER None of the above.
Returned:	Always.

EventQMGr

Description:	The queue manager where the command was entered. (The queue manager where the command is executed and that generates the event is in the MQMD of the event message).
Identifier:	MQCACF_EVENT_Q_MGR.
Data type:	MQCFST.
Maximum length:	MQ_Q_MGR_NAME_LENGTH.
Returned:	Always.

EventAccountingToken

Description: For commands received as a message (MQEVO_MSG), the accounting token (AccountingToken) from the MQMD of the command message.

Identifier: MQBACF_EVENT_ACCOUNTING_TOKEN.

Data type: MQCFBS.

Maximum length: MQ_ACCOUNTING_TOKEN_LENGTH.

Returned: Only if EventOrigin is MQEVO_MSG.

EventIdentityData

Description: For commands received as a message (MQEVO_MSG), application identity data (ApplIdentityData) from the MQMD of the command message.

Identifier: MQCACF_EVENT_APPL_IDENTITY.

Data type: MQCFST.

Maximum length: MQ_APPL_IDENTITY_DATA_LENGTH.

Returned: Only if EventOrigin is MQEVO_MSG.

EventApplType

Description: For commands received as a message (MQEVO_MSG), the type of application (PutApplType) from the MQMD of the command message.

Identifier: MQIACF_EVENT_APPL_TYPE.

Data type: MQCFIN.

Returned: Only if EventOrigin is MQEVO_MSG.

EventApplName

Description: For commands received as a message (MQEVO_MSG), the name of the application (PutApplName) from the MQMD of the command message.

Identifier: MQCACF_EVENT_APPL_NAME.

Data type: MQCFST.

Maximum length: MQ_APPL_NAME_LENGTH.

Returned: Only if EventOrigin is MQEVO_MSG.

EventApplOrigin

Description: For commands received as a message (MQEVO_MSG), the application origin data (ApplOriginData) from the MQMD of the command message.

Identifier: MQCACF_EVENT_APPL_ORIGIN.

Data type: MQCFST.

Maximum length: MQ_APPL_ORIGIN_DATA_LENGTH.

Returned: Only if EventOrigin is MQEVO_MSG.

Command

Description: The command code.

Identifier: MQIACF_COMMAND.

Data type: MQCFIN.

- Values:
- If the event relates to a PCF command, then the value is that of the Command parameter in the MQCFH structure in the command message.
 - If the event relates to an MQSC command, then the value is as follows:

MQCMD_ARCHIVE_LOG
ARCHIVE LOG

MQCMD_BACKUP_CF_STRUC
BACKUP CFSTRUCT

MQCMD_CHANGE_AUTH_INFO
ALTER AUTHINFO

MQCMD_CHANGE_BUFFER_POOL
ALTER BUFFPOOL

MQCMD_CHANGE_CF_STRUC
ALTER CFSTRUCT

MQCMD_CHANGE_CHANNEL
ALTER CHANNEL

MQCMD_CHANGE_COMM_INFO
ALTER COMMINFO

MQCMD_CHANGE_LISTENER
ALTER LISTENER

MQCMD_CHANGE_NAMELIST
ALTER NAMELIST

MQCMD_CHANGE_PAGE_SET
ALTER PSID

MQCMD_CHANGE_PROCESS
ALTER PROCESS

MQCMD_CHANGE_Q
ALTER QLOCAL/QREMOTE/QALIAS/QMODEL

MQCMD_CHANGE_Q_MGR
ALTER QMGR, DEFINE MAXSMSGS

MQCMD_CHANGE_SECURITY
ALTER SECURITY

MQCMD_CHANGE_SERVICE
ALTER SERVICE

MQCMD_CHANGE_STG_CLASS
ALTER STGCLASS

MQCMD_CHANGE_SUBSCRIPTION
ALTER SUBSCRIPTION

MQCMD_CHANGE_TOPIC
ALTER TOPIC

MQCMD_CHANGE_TRACE
ALTER TRACE

MQCMD_CLEAR_Q
CLEAR QLOCAL

MQCMD_CLEAR_TOPIC_STRING
CLEAR TOPICSTR

MQCMD_CREATE_AUTH_INFO
DEFINE AUTHINFO

MQCMD_CREATE_BUFFER_POOL
DEFINE BUFFPOOL

MQCMD_CREATE_CF_STRUC
DEFINE CFSTRUCT

MQCMD_CREATE_CHANNEL
DEFINE CHANNEL

MQCMD_CREATE_COMM_INFO
DEFINE COMMINFO

MQCMD_CREATE_LISTENER
DEFINE LISTENER

MQCMD_CREATE_NAMELIST
DEFINE NAMELIST

MQCMD_CREATE_PAGE_SET
DEFINE PSID

MQCMD_CREATE_PROCESS
DEFINE PROCESS

MQCMD_CREATE_Q
DEFINE QLOCAL/QREMOTE/QALIAS/QMODEL

MQCMD_CREATE_SERVICE
DEFINE SERVICE

MQCMD_CREATE_STG_CLASS
DEFINE STGCLASS

MQCMD_CREATE_SUBSCRIPTION
DEFINE SUB

MQCMD_CREATE_TOPIC
DEFINE TOPIC

MQCMD_DELETE_AUTH_INFO
DELETE AUTHINFO

MQCMD_DELETE_CF_STRUC
DELETE CFSTRUCT

MQCMD_DELETE_CHANNEL
DELETE CHANNEL

MQCMD_DELETE_COMM_INFO
DELETE COMMINFO

MQCMD_DELETE_LISTENER
DELETE LISTENER

MQCMD_DELETE_NAMELIST
DELETE NAMELIST

MQCMD_DELETE_PAGE_SET
DELETE PSID

MQCMD_DELETE_PROCESS
DELETE PROCESS

MQCMD_DELETE_Q
DELETE QLOCAL/QREMOTE/QALIAS/QMODEL

MQCMD_DELETE_SERVICE
DELETE SERVICE

MQCMD_DELETE_STG_CLASS
DELETE STGCLASS

MQCMD_DELETE_SUBSCRIPTION
DELETE SUBSCRIPTION

MQCMD_DELETE_TOPIC
DELETE TOPIC

MQCMD_INQUIRE_ARCHIVE
DISPLAY ARCHIVE

MQCMD_INQUIRE_AUTH_INFO
DISPLAY AUTHINFO

MQCMD_INQUIRE_CF_STRUC
DISPLAY CFSTRUCT

MQCMD_INQUIRE_CF_STRUC_STATUS
DISPLAY CFSTATUS

MQCMD_INQUIRE_CHANNEL
DISPLAY CHANNEL

MQCMD_INQUIRE_CHANNEL_INIT
DISPLAY CHINIT

MQCMD_INQUIRE_CHANNEL_STATUS
DISPLAY CHSTATUS

MQCMD_INQUIRE_CHLAUTH_RECS
DISPLAY CHLAUTH

MQCMD_INQUIRE_CLUSTER_Q_MGR
DISPLAY CLUSQMGR

MQCMD_INQUIRE_CMD_SERVER
DISPLAY CMDSERV

MQCMD_INQUIRE_COMM_INFO
DISPLAY COMMINFO

MQCMD_INQUIRE_CONNECTION
DISPLAY CONN

MQCMD_INQUIRE_LISTENER
DISPLAY LISTENER

MQCMD_INQUIRE_LOG
DISPLAY LOG

MQCMD_INQUIRE_NAMELIST
DISPLAY NAMELIST

MQCMD_INQUIRE_PROCESS
DISPLAY PROCESS

MQCMD_INQUIRE_PUBSUB_STATUS
DISPLAY PUBSUB

MQCMD_INQUIRE_Q
DISPLAY QUEUE

MQCMD_INQUIRE_Q_MGR
DISPLAY QMGR, DISPLAY MAXSMSGS

MQCMD_INQUIRE_QSG
DISPLAY GROUP

MQCMD_INQUIRE_Q_STATUS
DISPLAY QSTATUS

MQCMD_INQUIRE_SECURITY
DISPLAY SECURITY

MQCMD_INQUIRE_SERVICE
DISPLAY SERVICE

MQCMD_INQUIRE_STG_CLASS
DISPLAY STGCLASS

MQCMD_INQUIRE_SUBSCRIPTION
DISPLAY SUB

MQCMD_INQUIRE_SUB_STATUS
DISPLAY SBSTATUS

MQCMD_INQUIRE_SYSTEM
DISPLAY SYSTEM

MQCMD_INQUIRE_THREAD
DISPLAY THREAD

MQCMD_INQUIRE_TOPIC
DISPLAY TOPIC

MQCMD_INQUIRE_TOPIC_STATUS
DISPLAY TPSTATUS

MQCMD_INQUIRE_TRACE
DISPLAY TRACE

MQCMD_INQUIRE_USAGE
DISPLAY USAGE

MQCMD_MOVE_Q
MOVE QLOCAL

MQCMD_PING_CHANNEL
PING CHANNEL

MQCMD_RECOVER_BSDS
RECOVER BSDS

MQCMD_RECOVER_CF_STRUC
RECOVER CFSTRUCT

MQCMD_REFRESH_CLUSTER
REFRESH CLUSTER

MQCMD_REFRESH_Q_MGR
REFRESH QMGR

MQCMD_REFRESH_SECURITY
REFRESH SECURITY

MQCMD_RESET_CHANNEL
RESET CHANNEL

MQCMD_RESET_CLUSTER
RESET CLUSTER

MQCMD_RESET_Q_MGR
RESET QMGR

MQCMD_RESET_Q_STATS
RESET QSTATS

MQCMD_RESET_TPIPE
RESET TPIPE

MQCMD_RESOLVE_CHANNEL
RESOLVE CHANNEL

MQCMD_RESOLVE_INDOUBT
RESOLVE INDOUBT

MQCMD_RESUME_Q_MGR
RESUME QMGR other than CLUSTER/CLUSNL

MQCMD_RESUME_Q_MGR_CLUSTER
RESUME QMGR CLUSTER/CLUSNL

MQCMD_REVERIFY_SECURITY
REVERIFY SECURITY

MQCMD_SET_ARCHIVE
SET ARCHIVE

MQCMD_SET_CHLAUTH_REC
SET CHLAUTH

MQCMD_SET_LOG
SET LOG

MQCMD_SET_SYSTEM
SET SYSTEM

MQCMD_START_CHANNEL
START CHANNEL

MQCMD_START_CHANNEL_INIT
START CHINIT

MQCMD_START_CHANNEL_LISTENER
START LISTENER

MQCMD_START_CMD_SERVER
START CMDSERV

MQCMD_START_SERVICE
START SERVICE

MQCMD_START_TRACE
START TRACE

MQCMD_STOP_CHANNEL
STOP CHANNEL

MQCMD_STOP_CHANNEL_INIT
STOP CHINIT

MQCMD_STOP_CHANNEL_LISTENER
STOP LISTENER

MQCMD_STOP_CMD_SERVER
STOP CMDSERV

MQCMD_STOP_CONNECTION
STOP CONN

MQCMD_STOP_SERVICE
STOP SERVICE

MQCMD_STOP_TRACE
STOP TRACE

MQCMD_SUSPEND_Q_MGR
SUSPEND QMGR other than CLUSTER/CLUSNL

MQCMD_SUSPEND_Q_MGR_CLUSTER
SUSPEND QMGR CLUSTER/CLUSNL

Returned: Always.

CommandData

Description: PCF group containing the elements related to the command data.

Identifier: MQGACF_COMMAND_DATA.

Data type: MQCFGR.

PCF elements in group:

- If generated for an MQSC command, this group only contains the PCF element *CommandMQSC*.
- If generated for a PCF command, this group contains the PCF elements that make up the PCF command, exactly as in the command message.

Returned: Always.

CommandMQSC

Description: The text of the MQSC command.

Identifier: MQCACF_COMMAND_MQSC.

Data type: MQCFST.

Maximum length: MQ_COMMAND_MQSC_LENGTH.

Returned: Only if Reason in the message descriptor is MQRC_COMMAND_MQSC.

Create object

Event name: Create object.

Reason code in MQCFH: MQRC_CONFIG_CREATE_OBJECT (2367, X'93F').
New object created.

Event description: A DEFINE or DEFINE REPLACE command was issued which successfully created a new object.

Event type: Configuration.

Platforms: All.

Event queue: SYSTEM.ADMIN.CONFIG.EVENT.

Event data

EventUserId

Description: The user id that issued the command or call that generated the event. (This is the same user id that is used to check the authority to issue the command or call; for commands received from a queue, this is also the user identifier (UserIdentifier) from the MQMD of the command message).

Identifier: MQCACF_EVENT_USER_ID.

Data type: MQCFST.

Maximum length: MQ_USER_ID_LENGTH.

Returned: Always.

EventOrigin

Description:	The origin of the action causing the event.
Identifier:	MQIACF_EVENT_ORIGIN.
Data type:	MQCFIN.
Values:	MQEVO_CONSOLE Console command. MQEVO_INIT Initialization input data set command. MQEVO_INTERNAL Directly by queue manager. MQEVO_MQSET MQSET call. MQEVO_MSG Command message on SYSTEM.COMMAND.INPUT. MQEVO_OTHER None of the above.
Returned:	Always.

EventQMgr

Description:	The queue manager where the command or call was entered. (The queue manager where the command is executed and that generates the event is in the MQMD of the event message).
Identifier:	MQCACF_EVENT_Q_MGR.
Data type:	MQCFST.
Maximum length:	MQ_Q_MGR_NAME_LENGTH.
Returned:	Always.

EventAccountingToken

Description:	For commands received as a message (MQEVO_MSG), the accounting token (AccountingToken) from the MQMD of the command message.
Identifier:	MQBACF_EVENT_ACCOUNTING_TOKEN.
Data type:	MQCFBS.
Maximum length:	MQ_ACCOUNTING_TOKEN_LENGTH.
Returned:	Only if EventOrigin is MQEVO_MSG.

EventApplIdentity

Description:	For commands received as a message (MQEVO_MSG), application identity data (ApplIdentityData) from the MQMD of the command message.
Identifier:	MQCACF_EVENT_APPL_IDENTITY.
Data type:	MQCFST.
Maximum length:	MQ_APPL_IDENTITY_DATA_LENGTH.
Returned:	Only if EventOrigin is MQEVO_MSG.

EventApplType

Description:	For commands received as a message (MQEVO_MSG), the type of application (PutApplType) from the MQMD of the command message.
Identifier:	MQIACF_EVENT_APPL_TYPE.
Data type:	MQCFIN.
Returned:	Only if EventOrigin is MQEVO_MSG.

EventApplName

Description:	For commands received as a message (MQEVO_MSG), the name of the application (PutApplName) from the MQMD of the command message.
Identifier:	MQCACF_EVENT_APPL_NAME.
Data type:	MQCFST.
Maximum length:	MQ_APPL_NAME_LENGTH.
Returned:	Only if EventOrigin is MQEVO_MSG.

EventApplOrigin

Description:	For commands received as a message (MQEVO_MSG), the application origin data (ApplOriginData) from the MQMD of the command message.
Identifier:	MQCACF_EVENT_APPL_ORIGIN.
Data type:	MQCFST.
Maximum length:	MQ_APPL_ORIGIN_DATA_LENGTH.
Returned:	Only if EventOrigin is MQEVO_MSG.

ObjectType

Description:	Object type:
Identifier:	MQIACF_OBJECT_TYPE.
Data type:	MQCFIN.

Values:

- MQOT_CHANNEL**
Channel.
- MQOT_CHLAUTH**
Channel authentication record.
- MQOT_NAMELIST**
Namelist.
- MQOT_NONE**
No object.
- MQOT_PROCESS**
Process.
- MQOT_Q**
Queue.
- MQOT_STORAGE_CLASS**
Storage class.
- MQOT_AUTH_INFO**
Authentication information.
- MQOT_CF_STRUC**
CF structure.
- MQOT_TOPIC**
Topic.
- MQOT_COMM_INFO**
Communication information.
- MQOT_LISTENER**
Channel Listener.

Returned: Always.

ObjectName

Description: Object name:
Identifier : Identifier will be according to object type.

- MQCACH_CHANNEL_NAME
- MQCA_NAMELIST_NAME
- MQCA_PROCESS_NAME
- MQCA_Q_NAME
- MQCA_STORAGE_CLASS
- MQCA_AUTH_INFO_NAME
- MQCA_CF_STRUC_NAME
- MQCA_TOPIC_NAME
- MQCA_COMM_INFO_NAME
- MQCACH_LISTENER_NAME

Note: MQCACH_CHANNEL_NAME can also be used for channel authentication.

Data type: MQCFST.
Maximum length: MQ_OBJECT_NAME_LENGTH.
Returned: Always

Disposition

Description:	Object disposition:
Identifier:	MQIA_QSG_DISP.
Data type:	MQCFIN.
Values:	MQQSGD_Q_MGR Object resides on page set of queue manager. MQQSGD_SHARED Object resides in shared repository and messages are shared in coupling facility. MQQSGD_GROUP Object resides in shared repository. MQQSGD_COPY Object resides on page set of queue manager and is a local copy of a GROUP object.
Returned:	Always, except for CF structure objects.

Object attributes

A parameter structure is returned for each attribute of the object. The attributes returned depend on the object type. For more information see [“Object attributes for event data” on page 74](#)

Default Transmission Queue Type Error

Event name:	Default Transmission Queue Type Error.
Reason code in MQCFH:	MQRC_DEF_XMIT_Q_TYPE_ERROR (2198, X'896'). Default transmission queue not local.
Event description:	An MQOPEN or MQPUT1 call was issued specifying a remote queue as the destination. Either a local definition of the remote queue was specified, or a queue-manager alias was being resolved, but in either case the <i>XmitQName</i> attribute in the local definition is blank. No transmission queue is defined with the same name as the destination queue manager, so the local queue manager has attempted to use the default transmission queue. However, although there is a queue defined by the <i>DefXmitQName</i> queue-manager attribute, it is not a local queue. See Defining a transmission queue for more information about transmission queues.
Event type:	Remote.
Platforms:	All.
Event queue:	SYSTEM.ADMIN.QMGR.EVENT.

Event data

QMgrName

Description:	Name of the queue manager generating the event.
Identifier:	MQCA_Q_MGR_NAME.
Data type:	MQCFST.
Maximum length:	MQ_Q_MGR_NAME_LENGTH.

Returned: Always.

QName

Description: Queue name from object descriptor (MQOD).

Identifier: MQCA_Q_NAME.

Data type: MQCFST.

Maximum length: MQ_Q_NAME_LENGTH.

Returned: Always.

XmitQName

Description: Default transmission queue name.

Identifier: MQCA_XMIT_Q_NAME.

Data type: MQCFST.

Maximum length: MQ_Q_NAME_LENGTH.

Returned: Always.

QType

Description: Type of default transmission queue.

Identifier: MQIA_Q_TYPE.

Data type: MQCFIN.

Values: **MQQT_ALIAS**
Alias queue definition.
MQQT_REMOTE
Local definition of a remote queue.

Returned: Always.

ApplType

Description: Type of application making the MQI call that caused the event.

Identifier: MQIA_APPL_TYPE.

Data type: MQCFIN.

Returned: Always.

ApplName

Description: Name of the application making the MQI call that caused the event.

Identifier: MQCACF_APPL_NAME.

Data type: MQCFST.

Maximum length: MQ_APPL_NAME_LENGTH.

Returned: Always.

ObjectQMgrName

Description: Name of the object queue manager.

Identifier: MQCACF_OBJECT_Q_MGR_NAME.

Data type: MQCFST.
 Maximum length: MQ_Q_MGR_NAME_LENGTH.
 Returned: If the *ObjectName* in the object descriptor (MQOD), when the object was opened, is not the queue manager currently connected.

ConnName

Description: Connection name for client connection.
 Identifier: MQCACH_CONNECTION_NAME.
 Data type: MQCFST.
 Maximum length: MQ_CONN_NAME_LENGTH.
 Returned: If the application making the MQI call that caused the event is a client attached application.

ChannelName

Description: Channel name for client connection.
 Identifier: MQCACH_CHANNEL_NAME.
 Data type: MQCFST.
 Maximum length: MQ_CHANNEL_NAME_LENGTH
 Returned: If the application making the MQI call that caused the event is a client attached application.

Related reference

[DefXmitQName \(MQCHAR48\)](#)

Related information

[Defining a transmission queue](#)

[DefaultTransmissionQueueName property](#)

Default Transmission Queue Usage Error

Event name:	Default Transmission Queue Usage Error.
Reason code in MQCFH:	MQRC_DEF_XMIT_Q_USAGE_ERROR (2199, X'897'). Default transmission queue usage error.
Event description:	An MQOPEN or MQPUT1 call was issued specifying a remote queue as the destination. Either a local definition of the remote queue was specified, or a queue-manager alias was being resolved, but in either case the <i>XmitQName</i> attribute in the local definition is blank. No transmission queue is defined with the same name as the destination queue manager, so the local queue manager has attempted to use the default transmission queue. However, the queue defined by the <i>DefXmitQName</i> queue-manager attribute does not have a <i>Usage</i> attribute of MQUS_TRANSMISSION. See the Defining a transmission queue for more information about default transmission queues.
Event type:	Remote.
Platforms:	All.
Event queue:	SYSTEM.ADMIN.QMGR.EVENT.

Event data

QMgrName

Description: Name of the queue manager generating the event.
Identifier: MQCA_Q_MGR_NAME.
Data type: MQCFST.
Maximum length: MQ_Q_MGR_NAME_LENGTH.
Returned: Always.

QName

Description: Queue name from object descriptor (MQOD).
Identifier: MQCA_Q_NAME.
Data type: MQCFST.
Maximum length: MQ_Q_NAME_LENGTH.
Returned: Always.

XmitQName

Description: Default transmission queue name.
Identifier: MQCA_XMIT_Q_NAME.
Data type: MQCFST.
Maximum length: MQ_Q_NAME_LENGTH.
Returned: Always.

ApplType

Description: Type of application making the MQI call that caused the event.
Identifier: MQIA_APPL_TYPE.
Data type: MQCFIN.
Returned: Always.

ApplName

Description: Name of the application making the MQI call that caused the event.
Identifier: MQCACF_APPL_NAME.
Data type: MQCFST.
Maximum length: MQ_APPL_NAME_LENGTH.
Returned: Always.

ObjectQMgrName

Description: Name of the object queue manager.
Identifier: MQCACF_OBJECT_Q_MGR_NAME.
Data type: MQCFST.
Maximum length: MQ_Q_MGR_NAME_LENGTH.

Returned: If the *ObjectName* in the object descriptor (MQOD), when the object was opened, is not the queue manager currently connected.

ConnName

Description: Connection name for client connection.

Identifier: MQCACH_CONNECTION_NAME.

Data type: MQCFST.

Maximum length: MQ_CONN_NAME_LENGTH.

Returned: If the application making the MQI call that caused the event is a client attached application.

ChannelName

Description: Channel name for client connection.

Identifier: MQCACH_CHANNEL_NAME.

Data type: MQCFST.

Maximum length: MQ_CHANNEL_NAME_LENGTH

Returned: If the application making the MQI call that caused the event is a client attached application.

Related concepts

[DefaultTransmissionQueueName property](#)

Related tasks

[Defining a transmission queue](#)

Related reference

[DefXmitQName \(MQCHAR48\)](#)

Delete object

Event name: Delete object.

Reason code in MQCFH: MQRC_CONFIG_DELETE_OBJECT (2369, X'941').
Object deleted.

Event description: A DELETE command or MQCLOSE call was issued that successfully deleted an object.

Event type: Configuration.

Platforms: All.

Event queue: SYSTEM.ADMIN.CONFIG.EVENT.

Event data

EventUserId

Description: The user id that issued the command or call that generated the event. (This is the same user id that is used to check the authority to issue the command or call; for commands received from a queue, this is also the user identifier (UserIdentifier) from the MQMD of the command message).

Identifier: MQCACF_EVENT_USER_ID.

Data type: MQCFST.
Maximum length: MQ_USER_ID_LENGTH.
Returned: Always.

EventOrigin

Description: The origin of the action causing the event.
Identifier: MQIACF_EVENT_ORIGIN.
Data type: MQCFIN.
Values: **MQEVO_CONSOLE**
Console command.
MQEVO_INIT
Initialization input data set command.
MQEVO_INTERNAL
Directly by queue manager.
MQEVO_MSG
Command message on SYSTEM.COMMAND.INPUT.
MQEVO_OTHER
None of the above.
Returned: Always.

EventQMgr

Description: The queue manager where the command or call was entered. (The queue manager where the command is executed and that generates the event is in the MQMD of the event message).
Identifier: MQCACF_EVENT_Q_MGR.
Data type: MQCFST.
Maximum length: MQ_Q_MGR_NAME_LENGTH.
Returned: Always.

EventAccountingToken

Description: For commands received as a message (MQEVO_MSG), the accounting token (AccountingToken) from the MQMD of the command message.
Identifier: MQBACF_EVENT_ACCOUNTING_TOKEN.
Data type: MQCFBS.
Maximum length: MQ_ACCOUNTING_TOKEN_LENGTH.
Returned: Only if EventOrigin is MQEVO_MSG.

EventApplIdentity

Description: For commands received as a message (MQEVO_MSG), application identity data (ApplIdentityData) from the MQMD of the command message.
Identifier: MQCACF_EVENT_APPL_IDENTITY.
Data type: MQCFST.
Maximum length: MQ_APPL_IDENTITY_DATA_LENGTH.

Returned: Only if EventOrigin is MQEVO_MSG.

EventApplType

Description: For commands received as a message (MQEVO_MSG), the type of application (PutApplType) from the MQMD of the command message.

Identifier: MQIACF_EVENT_APPL_TYPE.

Data type: MQCFIN.

Returned: Only if EventOrigin is MQEVO_MSG.

EventApplName

Description: For commands received as a message (MQEVO_MSG), the name of the application (PutApplName) from the MQMD of the command message.

Identifier: MQCACF_EVENT_APPL_NAME.

Data type: MQCFST.

Maximum length: MQ_APPL_NAME_LENGTH.

Returned: Only if EventOrigin is MQEVO_MSG.

EventApplOrigin

Description: For commands received as a message (MQEVO_MSG), the application origin data (ApplOriginData) from the MQMD of the command message.

Identifier: MQCACF_EVENT_APPL_ORIGIN.

Data type: MQCFST.

Maximum length: MQ_APPL_ORIGIN_DATA_LENGTH.

Returned: Only if EventOrigin is MQEVO_MSG.

ObjectType

Description: Object type:

Identifier: MQIACF_OBJECT_TYPE.

Data type: MQCFIN.

Values:

- MQOT_CHANNEL**
Channel.
- MQOT_CHLAUTH**
Channel authentication record.
- MQOT_NAMELIST**
Namelist.
- MQOT_NONE**
No object.
- MQOT_PROCESS**
Process.
- MQOT_Q**
Queue.
- MQOT_STORAGE_CLASS**
Storage class.
- MQOT_AUTH_INFO**
Authentication information.
- MQOT_CF_STRUC**
CF structure.
- MQOT_TOPIC**
Topic.
- MQOT_COMM_INFO**
Communication information.
- MQOT_LISTENER**
Channel Listener.

Returned: Always.

ObjectName

Description: Object name:
Identifier : Identifier will be according to object type.

- MQCACH_CHANNEL_NAME
- MQCA_NAMELIST_NAME
- MQCA_PROCESS_NAME
- MQCA_Q_NAME
- MQCA_STORAGE_CLASS
- MQCA_AUTH_INFO_NAME
- MQCA_CF_STRUC_NAME
- MQCA_TOPIC_NAME
- MQCA_COMM_INFO_NAME
- MQCACH_LISTENER_NAME

Note: MQCACH_CHANNEL_NAME can also be used for channel authentication.

Data type: MQCFST.
Maximum length: MQ_OBJECT_NAME_LENGTH.
Returned: Always

Disposition

Description:	Object disposition:
Identifier:	MQIA_QSG_DISP.
Data type:	MQCFIN.
Values:	MQQSGD_Q_MGR Object resides on page set of queue manager. MQQSGD_SHARED Object resides in shared repository and messages are shared in coupling facility. MQQSGD_GROUP Object resides in shared repository. MQQSGD_COPY Object resides on page set of queue manager and is a local copy of a GROUP object.
Returned:	Always, except for CF structure objects.

Object attributes

A parameter structure is returned for each attribute of the object. The attributes returned depend on the object type. For more information see [“Object attributes for event data” on page 74.](#)

Get Inhibited

Event name:	Get Inhibited.
Reason code in MQCFH:	MQRC_GET_INHIBITED (2016, X'7E0'). Gets inhibited for the queue.
Event description:	MQGET calls are currently inhibited for the queue (see InhibitGet (MQLONG) for the <i>InhibitGet</i> queue attribute) or for the queue to which this queue resolves.
Event type:	Inhibit.
Platforms:	All.
Event queue:	SYSTEM.ADMIN.QMGR.EVENT.

Event data

QMgrName

Description:	Name of the queue manager generating the event.
Identifier:	MQCA_Q_MGR_NAME.
Data type:	MQCFST.
Maximum length:	MQ_Q_MGR_NAME_LENGTH.
Returned:	Always.

QName

Description:	Queue name from object descriptor (MQOD).
Identifier:	MQCA_Q_NAME.

Data type: MQCFST.
Maximum length: MQ_Q_NAME_LENGTH.
Returned: Always.

ApplType

Description: Type of application that issued the get.
Identifier: MQIA_APPL_TYPE.
Data type: MQCFIN.
Returned: Always.

ApplName

Description: Name of the application that issued the get.
Identifier: MQCACF_APPL_NAME.
Data type: MQCFST.
Maximum length: MQ_APPL_NAME_LENGTH.
Returned: Always.

ConnName

Description: Connection name for client connection.
Identifier: MQCACH_CONNECTION_NAME.
Data type: MQCFST.
Maximum length: MQ_CONN_NAME_LENGTH.
Returned: If the application making the MQI call that caused the event is a client attached application.

ChannelName

Description: Channel name for client connection.
Identifier: MQCACH_CHANNEL_NAME.
Data type: MQCFST.
Maximum length: MQ_CHANNEL_NAME_LENGTH
Returned: If the application making the MQI call that caused the event is a client attached application.

Related concepts

[InhibitGet property](#)

Related tasks

[Setting queue attributes](#)

Logger

Event name:	Logger.
Reason code in MQCFH:	MQRC_LOGGER_STATUS (2411, X'96B') New log extent started.

Event description:	Issued when a queue manager starts writing to a new log extent.
Event type:	Logger.
Platforms:	All, except WebSphere MQ for z/OS.
Event queue:	SYSTEM.ADMIN.LOGGER.EVENT.

Event data

QMgrName

Description:	Name of the queue manager generating the event.
Identifier:	MQCA_Q_MGR_NAME.
Data type:	MQCFST.
Maximum length:	MQ_Q_MGR_NAME_LENGTH.
Returned:	Always.

CurrentLogExtent

Description:	Name of the log extent.
Identifier:	MQCACF_CURRENT_LOG_EXTENT_NAME.
Data type:	MQCFST.
Maximum length:	MQ_LOG_EXTENT_NAME_LENGTH.
Returned:	Always.

RestartRecoveryLogExtent

Description:	Name of the oldest log extent.
Identifier:	MQCACF_RESTART_LOG_EXTENT_NAME.
Data type:	MQCFST.
Maximum length:	MQ_LOG_EXTENT_NAME_LENGTH.
Returned:	Always.

MediaRecoveryLogExtent

Description:	Name of the oldest log extent.
Identifier:	MQCACF_MEDIA_LOG_EXTENT_NAME.
Data type:	MQCFST.
Maximum length:	MQ_LOG_EXTENT_NAME_LENGTH.
Returned:	Always.

LogPath

Description:	The directory where log files are created by the queue manager.
Identifier:	MQCACF_LOG_PATH.
Data type:	MQCFST.
Maximum length:	MQ_LOG_PATH_LENGTH.
Returned:	Always.

Not Authorized (type 1)

Event name:	Not Authorized (type 1).
Reason code in MQCFH:	MQRC_NOT_AUTHORIZED (2035, X'7F3'). Not authorized for access.
Event description:	On an MQCONN or system connection call, the user is not authorized to connect to the queue manager. <i>ReasonQualifier</i> identifies the nature of the error.
Event type:	Authority.
Platforms:	All, except WebSphere MQ for z/OS.
Event queue:	SYSTEM.ADMIN.QMGR.EVENT.

Event data

QMgrName

Description:	Name of the queue manager generating the event.
Identifier:	MQCA_Q_MGR_NAME.
Data type:	MQCFST.
Maximum length:	MQ_Q_MGR_NAME_LENGTH.
Returned:	Always.

ReasonQualifier

Description:	Identifier for type 1 authority events.
Identifier:	MQIACF_REASON_QUALIFIER.
Data type:	MQCFIN.
Values:	MQRQ_CONN_NOT_AUTHORIZED Connection not authorized. MQRQ_SYS_CONN_NOT_AUTHORIZED Missing system authority.
Returned:	Always.

UserIdentifier

Description:	User identifier that caused the authorization check.
Identifier:	MQCACF_USER_IDENTIFIER.
Data type:	MQCFST.
Maximum length:	MQ_USER_ID_LENGTH.
Returned:	Always.

ApplType

Description:	Type of application causing the event.
Identifier:	MQIA_APPL_TYPE.
Data type:	MQCFIN.

Returned: Always.

ApplName

Description: Name of the application causing the event.

Identifier: MQCACF_APPL_NAME.

Data type: MQCFST.

Maximum length: MQ_APPL_NAME_LENGTH.

Returned: Always.

ConnName

Description: Connection name for client connection.

Identifier: MQCACH_CONNECTION_NAME.

Data type: MQCFST.

Maximum length: MQ_CONN_NAME_LENGTH.

Returned: If the application making the MQI call that caused the event is a client attached application.

ChannelName

Description: Channel name for client connection.

Identifier: MQCACH_CHANNEL_NAME.

Data type: MQCFST.

Maximum length: MQ_CHANNEL_NAME_LENGTH.

Returned: If the application making the MQI call that caused the event is a client attached application.

Not Authorized (type 2)

Event name: Not Authorized (type 2).

Reason code in MQCFH: MQRC_NOT_AUTHORIZED (2035, X'7F3').
Not authorized for access.

Event description: On an MQOPEN or MQPUT1 call, the user is not authorized to open the object for the options specified.

Event type: Authority.

Platforms: All, except WebSphere MQ for z/OS.

Event queue: SYSTEM.ADMIN.QMGR.EVENT.

Event data

QMGrName

Description: Name of the queue manager generating the event.

Identifier: MQCA_Q_MGR_NAME.

Data type: MQCFST.

Maximum length: MQ_Q_MGR_NAME_LENGTH.

Returned: Always.

ReasonQualifier

Description: Identifier for type 2 authority events.

Identifier: MQIACF_REASON_QUALIFIER.

:

Data type: MQCFIN.

:

Values: MQRQ_OPEN_NOT_AUTHORIZED Open not authorized.

Returned: Always.

:

Options

Description: Options specified on the MQOPEN call.

Identifier: MQIACF_OPEN_OPTIONS.

Data type: MQCFIN.

Returned: Always.

UserIdentifier

Description: User identifier that caused the authorization check.

Identifier: MQCACF_USER_IDENTIFIER.

Data type: MQCFST.

Maximum length: MQ_USER_ID_LENGTH.

Returned: Always.

ApplType

Description: Type of application that caused the authorization check.

Identifier: MQIA_APPL_TYPE.

Data type: MQCFIN.

Returned: Always.

ApplName

Description: Name of the application that caused the authorization check.

Identifier: MQCACF_APPL_NAME.

Data type: MQCFST.

Maximum length: MQ_APPL_NAME_LENGTH.

Returned: Always.

ObjectQMgrName

Description: Object queue manager name from object descriptor (MQOD).

Identifier: MQCACF_OBJECT_Q_MGR_NAME.

Data type: MQCFST.
Maximum length: MQ_Q_MGR_NAME_LENGTH.
Returned: If the *ObjectQMgrName* in the object descriptor (MQOD) when the object was opened is not the queue manager currently connected.

QName

Description: Object name from object descriptor (MQOD).
Identifier: MQCA_Q_NAME.
Data type: MQCFST.
Maximum length: MQ_Q_NAME_LENGTH.
Returned: If the object opened is a queue object.

ProcessName

Description: Name of process object from object descriptor (MQOD).
Identifier: MQCA_PROCESS_NAME.
Data type: MQCFST.
Maximum length: MQ_PROCESS_NAME_LENGTH.
Returned: If the object opened is a process object.

TopicString

Description: Topic string being subscribed to, or opened.
Identifier: MQCA_TOPIC_STRING.
Data type: MQCFST.
Maximum length: MQ_TOPIC_STR_LENGTH.
Returned: If the object opened is a topic object.

AdminTopicNames

Description: List of topic admin objects against which authority is checked.
Identifier: MQCA_ADMIN_TOPIC_NAME.
Data type: MQCFSL.
Maximum length: MQ_TOPIC_NAME_LENGTH.
Returned: If the object opened is a topic object.

ObjectType

Description: Object type from object descriptor (MQOD).
Identifier: MQIACF_OBJECT_TYPE.

Dat MQCFIN.
a
type
:
Valu MQOT_NA Namelist.
es: MELIST
MQOT_PR Process.
OCESS
MQOT_Q Queue.
MQOT_Q_ Queue manager.
MGR
MQOT_TO Topic.
PIC
Ret Always.
urn
ed:

NamelistName

Description: Object name from object descriptor (MQOD).
Identifier: MQCA_NAMELIST_NAME.
Data type: MQCFST.
Maximum length: MQ_NAMELIST_NAME_LENGTH.
Returned: If the object opened is a namelist object.

ConnName

Description: Connection name for client connection.
Identifier: MQCACH_CONNECTION_NAME.
Data type: MQCFST.
Maximum length: MQ_CONN_NAME_LENGTH.
Returned: If the application making the MQI call that caused the event is a client attached application.

ChannelName

Description: Channel name for client connection.
Identifier: MQCACH_CHANNEL_NAME.
Data type: MQCFST.
Maximum length: MQ_CHANNEL_NAME_LENGTH
Returned: If the application making the MQI call that caused the event is a client attached application.

Not Authorized (type 3)

Event name: Not Authorized (type 3).

Reason code in MQCFH: MQRC_NOT_AUTHORIZED (2035, X'7F3').
Not authorized for access.

Event description: When closing a queue using the MQCLOSE call, the user is not authorized to delete the object, which is a permanent dynamic queue, and the *Hobj* parameter specified on the MQCLOSE call is not the handle returned by the MQOPEN call that created the queue.

When closing a subscription using an MQCLOSE call, the user has requested that the subscription is removed using the MQCO_REMOVE_SUB option, but the user is not the creator of the subscription or does not have *sub* authority on the topic associated with the subscription.

Event type: Authority.

Platforms: All, except WebSphere MQ for z/OS.

Event queue: SYSTEM.ADMIN.QMGR.EVENT.

Event data

QMgrName

Description: Name of the queue manager generating the event.
Identifier: MQCA_Q_MGR_NAME.
Data type: MQCFST.
Maximum length: MQ_Q_MGR_NAME_LENGTH.
Returned: Always.

ReasonQualifier

Description: Identifier for type 3 authority events.
Identifier: MQIACF_REASON_QUALIFIER.
Data type: MQCFIN.
Values: **MQRQ_CLOSE_NOT_AUTHORIZED**
Close not authorized.
Returned: Always.

UserIdentifier

Description: User identifier that caused the authorization check
Identifier: MQCACF_USER_IDENTIFIER
Data type: MQCFST.
Maximum length: MQ_USER_ID_LENGTH.
Returned: Always.

ApplType

Description: Type of application causing the authorization check.
Identifier: MQIA_APPL_TYPE.
Data type: MQCFIN.

Returned: Always.

ApplName

Description: Name of the application causing the authorization check.

Identifier: MQCACF_APPL_NAME.

Data type: MQCFST.

Maximum length: MQ_APPL_NAME_LENGTH.

Returned: Always.

QName

Description: Object name from object descriptor (MQOD).

Identifier: MQCA_Q_NAME.

Data type: MQCFST.

Maximum length: MQ_Q_NAME_LENGTH.

Returned: If the handle being closed is a queue

SubName

Description: Name of subscription being removed.

Identifier: MQCACF_SUB_NAME.

Data type: MQCFST.

Maximum length: MQ_SUB_NAME_LENGTH.

Returned: If the handle being closed is a subscription.

TopicString

Description: Topic string of the subscription.

Identifier: MQCA_TOPIC_STRING

Data type: MQCFST.

Maximum length: MQ_TOPIC_STR_LENGTH.

Returned: If the handle being closed is a subscription.

AdminTopicNames

Description: List of topic administration objects against which authority was checked.

Identifier: MQCA_ADMIN_TOPIC_NAME

Data type: MQCFSL.

Maximum length: MQ_TOPIC_NAME_LENGTH.

Returned: If the handle being closed is a subscription.

ConnName

Description: Connection name for client connection.

Identifier: MQCACH_CONNECTION_NAME.

Data type: MQCFST.

Maximum length: MQ_CONN_NAME_LENGTH.
Returned: If the application making the MQI call that caused the event is a client attached application.

ChannelName

Description: Channel name for client connection.
Identifier: MQCACH_CHANNEL_NAME.
Data type: MQCFST.
Maximum length: MQ_CHANNEL_NAME_LENGTH
Returned: If the application making the MQI call that caused the event is a client attached application.

Not Authorized (type 4)

Event name:	Not Authorized (type 4).
Reason code in MQCFH:	MQRC_NOT_AUTHORIZED (2035, X'7F3'). Not authorized for access.
Event description:	Indicates that a command has been issued from a user ID that is not authorized to access the object specified in the command.
Event type:	Authority.
Platforms:	All, except WebSphere MQ for z/OS.
Event queue:	SYSTEM.ADMIN.QMGR.EVENT.

Event data

QMgrName

Description: Name of the queue manager generating the event.
Identifier: MQCA_Q_MGR_NAME.
Data type: MQCFST.
Maximum length: MQ_Q_MGR_NAME_LENGTH.
Returned: Always.

ReasonQualifier

Description: Identifier for type 4 authority events.
Identifier: MQIACF_REASON_QUALIFIER.
Data type: MQCFIN.
Values: **MQRQ_CMD_NOT_AUTHORIZED**
Command not authorized.
Returned: Always.

Command

Description: Command identifier. See the MQCFH header structure, described in [“Event message MQCFH \(PCF header\)”](#) on page 114.

Identifier: MQIACF_COMMAND.
Data type: MQCFIN.
Returned: Always.

UserIdentifier

Description: User identifier that caused the authorization check.
Identifier: MQCACF_USER_IDENTIFIER.
Data type: MQCFST.
Maximum length: MQ_USER_ID_LENGTH.
Returned: Always.

Not Authorized (type 5)

Event name:	Not Authorized (type 5).
Reason code in MQCFH:	MQRC_NOT_AUTHORIZED (2035, X'7F3'). Not authorized for access.
Event description:	On an MQSUB call, the user is not authorized to subscribe to the specified topic.
Event type:	Authority.
Platforms:	All, except WebSphere MQ for z/OS.
Event queue:	SYSTEM.ADMIN.QMGR.EVENT.

Event data

QMgrName

Description: Name of the queue manager generating the event.
Identifier: MQCA_Q_MGR_NAME.
Data type: MQCFST.
Maximum length: MQ_Q_MGR_NAME_LENGTH.
Returned: Always.

ReasonQualifier

Description: Identifier for type 5 authority events.
Identifier: MQIACF_REASON_QUALIFIER.
Data type: MQCFIN.
Values: **MQRQ_SUB_NOT_AUTHORIZED**
Subscribe not authorized.
Returned: Always.

Options

Description: Options specified on the MQSUB call.
Identifier: MQIACF_SUB_OPTIONS

Data type: MQCFIN.
Returned: Always.

UserIdentifier

Description: User identifier that caused the authorization check.
Identifier: MQCACF_USER_IDENTIFIER.
Data type: MQCFST.
Maximum length: MQ_USER_ID_LENGTH.
Returned: Always.

ApplType

Description: Type of application that caused the authorization check.
Identifier: MQIA_APPL_TYPE.
Data type: MQCFIN.
Returned: Always.

ApplName

Description: Name of the application that caused the authorization check.
Identifier: MQCACF_APPL_NAME.
Data type: MQCFST.
Maximum length: MQ_APPL_NAME_LENGTH.
Returned: Always.

TopicString

Description: Topic string being opened or subscribed to.
Identifier: MQCA_TOPIC_STRING.
Data type: MQCFST.
Maximum length: MQ_TOPIC_STR_LENGTH.
Returned: Always.

AdminTopicNames

Description: List of topic administration objects against which authority is checked.
Identifier: MQCA_ADMIN_TOPIC_NAME.
Data type: MQCFSL.
Maximum length: MQ_TOPIC_NAME_LENGTH.
Returned: Always.

ConnName

Description: Connection name for client connection.
Identifier: MQCACH_CONNECTION_NAME.
Data type: MQCFST.

Maximum length: MQ_CONN_NAME_LENGTH.
Returned: If the application making the MQI call that caused the event is a client attached application.

ChannelName

Description: Channel name for client connection.
Identifier: MQCACH_CHANNEL_NAME.
Data type: MQCFST.
Maximum length: MQ_CHANNEL_NAME_LENGTH
Returned: If the application making the MQI call that caused the event is a client attached application.

Not Authorized (type 6)

Event name: Not Authorized (type 6).

Reason code in MQCFH: MQRC_NOT_AUTHORIZED (2035, X'7F3').
Not authorized for access.

Event description: On an MQSUB call, the user is not authorized to use the destination queue with the required level of access. This event is only returned for subscriptions using non-managed destination queues.

When creating, altering, or resuming a subscription, and a handle to the destination queue is supplied on the request, the user does not have PUT authority on the destination queue provided.

When resuming or alerting a subscription and the handle to the destination queue is to be returned on the MQSUB call, and the user does not have PUT, GET and BROWSE authority on the destination queue.

Event type: Authority.

Platforms: All, except WebSphere MQ for z/OS.

Event queue: SYSTEM.ADMIN.QMGR.EVENT.

Event data

QMgrName

Description: Name of the queue manager generating the event.
Identifier: MQCA_Q_MGR_NAME.
Data type: MQCFST.
Maximum length: MQ_Q_MGR_NAME_LENGTH.
Returned: Always.

ReasonQualifier

Description: Identifier for type 6 authority events.
Identifier: MQIACF_REASON_QUALIFIER.
Data type: MQCFIN.

Values: **MQRQ_SUB_DEST_NOT_AUTHORIZED**
Subscription destination queue usage not authorized.

Returned: Always.

Options

Description: Options specified on the MQSUB call.

Identifier: MQIACF_SUB_OPTIONS

Data type: MQCFIN.

Returned: Always.

UserIdentifier

Description: User identifier that caused the authorization check.

Identifier: MQCACF_USER_IDENTIFIER.

Data type: MQCFST.

Maximum length: MQ_USER_ID_LENGTH.

Returned: Always.

ApplType

Description: Type of application that caused the authorization check.

Identifier: MQIA_APPL_TYPE.

Data type: MQCFIN.

Returned: Always.

ApplName

Description: Name of the application that caused the authorization check.

Identifier: MQCACF_APPL_NAME.

Data type: MQCFST.

Maximum length: MQ_APPL_NAME_LENGTH.

Returned: Always.

TopicString

Description: Topic string being subscribed to.

Identifier: MQCA_TOPIC_STRING.

Data type: MQCFST.

Maximum length: MQ_TOPIC_STR_LENGTH.

Returned: Always.

DestQMgrName

Description: Hosting queue manager name of the subscription's destination queue.

Identifier: MQCACF_OBJECT_Q_MGR_NAME

Data type: MQCFST.

Maximum length: MQ_Q_MGR_NAME_LENGTH.
Returned: If the queue manager hosting the destination queue is not the queue manager to which the application is currently connected.

DestQName

Description: The name of the destination queue of the subscription..
Identifier: MQCA_Q_NAME
Data type: MQCFST.
Maximum length: MQ_Q_NAME_LENGTH.
Returned: Always.

DestOpenOptions

Description: The open options requested for the destination queue.
Identifier: MQIACF_OPEN_OPTIONS
Data type: MQCFIN.
Returned: Always.

ConnName

Description: Connection name for client connection.
Identifier: MQCACH_CONNECTION_NAME.
Data type: MQCFST.
Maximum length: MQ_CONN_NAME_LENGTH.
Returned: If the application making the MQI call that caused the event is a client attached application.

ChannelName

Description: Channel name for client connection.
Identifier: MQCACH_CHANNEL_NAME.
Data type: MQCFST.
Maximum length: MQ_CHANNEL_NAME_LENGTH
Returned: If the application making the MQI call that caused the event is a client attached application.

Put Inhibited

Event name:	Put Inhibited.
Reason code in MQCFH:	MQRC_PUT_INHIBITED (2051, X'803'). Put calls inhibited for the queue or topic.
Event description:	MQPUT and MQPUT1 calls are currently inhibited for the queue or topic (see the <i>InhibitPut</i> queue attribute in <i>InhibitPut (MQLONG)</i> or the <i>InhibitPublications</i> topic attribute in “Topic attributes” on page 104 for the queue to which this queue resolves.
Event type:	Inhibit.

Platforms:	All.
Event queue:	SYSTEM.ADMIN.QMGR.EVENT.

Event data

QMgrName

Description:	Name of the queue manager generating the event.
Identifier:	MQCA_Q_MGR_NAME.
Data type:	MQCFST.
Maximum length:	MQ_Q_MGR_NAME_LENGTH.
Returned:	Always.

QName

Description:	Queue name from object descriptor (MQOD).
Identifier:	MQCA_Q_NAME.
Data type:	MQCFST.
Maximum length:	MQ_Q_NAME_LENGTH.
Returned:	If the object opened is a queue object

ApplType

Description:	Type of application that issued the put.
Identifier:	MQIA_APPL_TYPE.
Data type:	MQCFIN.
Returned:	Always.

ApplName

Description:	Name of the application that issued the put.
Identifier:	MQCACF_APPL_NAME.
Data type:	MQCFST.
Maximum length:	MQ_APPL_NAME_LENGTH.
Returned:	Always.

ObjectQMgrName

Description:	Name of queue manager from object descriptor (MQOD).
Identifier:	MQCACF_OBJECT_Q_MGR_NAME.
Data type:	MQCFST.
Maximum length:	MQ_Q_MGR_NAME_LENGTH.

Returned: Only if this parameter has a value different from *QMgrName*. This occurs when the *ObjectQMgrName* field in the object descriptor provided by the application on the MQOPEN or MQPUT1 call is neither blank nor the name of the application's local queue manager. However, it can also occur when *ObjectQMgrName* in the object descriptor is blank, but a name service provides a queue-manager name that is not the name of the application's local queue manager.

TopicString

Description: Topic String being opened
Identifier: MQCA_TOPIC_STRING
Data type: MQCFST.
Maximum length: MQ_TOPIC_STR_LENGTH.
Returned: If the object opened is a topic.

ConnName

Description: Connection name for client connection.
Identifier: MQCACH_CONNECTION_NAME.
Data type: MQCFST.
Maximum length: MQ_CONN_NAME_LENGTH.
Returned: If the application making the MQI call that caused the event is a client attached application.

ChannelName

Description: Channel name for client connection.
Identifier: MQCACH_CHANNEL_NAME.
Data type: MQCFST.
Maximum length: MQ_CHANNEL_NAME_LENGTH
Returned: If the application making the MQI call that caused the event is a client attached application.

Related concepts

[InhibitPut property](#)

Related reference

[Inquire Queue \(Response\)](#)

[Inquire Topic \(Response\)](#)

[Inquire Topic Status \(Response\)](#)

[Change, Copy, and Create Topic](#)

Queue Depth High

Event name: Queue Depth High.

Reason code in MQCFH: MQRC_Q_DEPTH_HIGH (2224, X'8B0').
Queue depth high limit reached or exceeded.

Event description:	An MQPUT or MQPUT1 call has caused the queue depth to be incremented to or above the limit specified in the <i>QDepthHighLimit</i> attribute.
Event type:	Performance.
Platforms:	All.
Event queue:	SYSTEM.ADMIN.PERFM.EVENT.

Note:

1. WebSphere MQ for z/OS supports queue depth events on shared queues. You might receive a NULL event message for a shared queue if a queue manager has performed no activity on that shared queue.
2. For shared queues, the correlation identifier, *CorrelId* in the message descriptor (MQMD) is set. See [“Event message MQMD \(message descriptor\)” on page 110](#) for more information.

Event data

QMgrName

Description:	Name of the queue manager generating the event.
Identifier:	MQCA_Q_MGR_NAME.
Data type:	MQCFST.
Maximum length:	MQ_Q_MGR_NAME_LENGTH.
Returned:	Always.

QName

Description:	Name of the queue on which the limit has been reached.
Identifier:	MQCA_BASE_Q_NAME.
Data type:	MQCFST.
Maximum length:	MQ_Q_NAME_LENGTH.
Returned:	Always.

TimeSinceReset

Description:	Time, in seconds, since the statistics were last reset. The value recorded by this timer is also used as the <i>interval time</i> in queue service interval events.
Identifier:	MQIA_TIME_SINCE_RESET.
Data type:	MQCFIN.
Returned:	Always.

HighQDepth

Description:	Maximum number of messages on the queue since the queue statistics were last reset.
Identifier:	MQIA_HIGH_Q_DEPTH.
Data type:	MQCFIN.
Returned:	Always.

MsgEnqCount

Description:	Number of messages enqueued. This is the number of messages put on the queue since the queue statistics were last reset.
Identifier:	MQIA_MSG_ENQ_COUNT.
Data type:	MQCFIN.
Returned:	Always.

MsgDeqCount

Description:	Number of messages removed from the queue since the queue statistics were last reset.
Identifier:	MQIA_MSG_DEQ_COUNT.
Data type:	MQCFIN.
Returned:	Always.

Queue Depth Low

Event name:	Queue Depth Low.
Reason code in MQCFH:	MQRC_Q_DEPTH_LOW (2225, X'8B1'). Queue depth low limit reached or exceeded.
Event description:	A get operation has caused the queue depth to be decremented to or below the limit specified in the <i>QDepthLowLimit</i> attribute.
Event type:	Performance.
Platforms:	All.
Event queue:	SYSTEM.ADMIN.PERFM.EVENT.

Note:

1. WebSphere MQ for z/OS supports queue depth events on shared queues. You might receive a NULL event message for a shared queue if a queue manager has performed no activity on that shared queue.
2. For shared queues, the correlation identifier, *CorrelId* in the message descriptor (MQMD) is set. See [“Event message MQMD \(message descriptor\)” on page 110](#) for more information.

Event data

QMgrName

Description:	Name of the queue manager generating the event.
Identifier:	MQCA_Q_MGR_NAME.
Data type:	MQCFST.
Maximum length:	MQ_Q_MGR_NAME_LENGTH.
Returned:	Always.

QName

Description:	Name of the queue on which the limit has been reached.
Identifier:	MQCA_BASE_Q_NAME.

Data type: MQCFST.
Maximum length: MQ_Q_NAME_LENGTH.
Returned: Always.

TimeSinceReset

Description: Time, in seconds, since the statistics were last reset. The value recorded by this timer is also used as the *interval time* in queue service interval events.
Identifier: MQIA_TIME_SINCE_RESET.
Data type: MQCFIN.
Returned: Always.

HighQDepth

Description: Maximum number of messages on the queue since the queue statistics were last reset.
Identifier: MQIA_HIGH_Q_DEPTH.
Data type: MQCFIN.
Returned: Always.

MsgEnqCount

Description: Number of messages enqueued. This is the number of messages put on the queue since the queue statistics were last reset.
Identifier: MQIA_MSG_ENQ_COUNT.
Data type: MQCFIN.
Returned: Always.

MsgDeqCount

Description: Number of messages removed from the queue since the queue statistics were last reset.
Identifier: MQIA_MSG_DEQ_COUNT.
Data type: MQCFIN.
Returned: Always.

Queue Full

Event name: Queue Full.

Reason code in MQCFH: MQRC_Q_FULL (2053, X'805').
Queue already contains maximum number of messages.

Event description: On an MQPUT or MQPUT1 call, the call failed because the queue is full. That is, it already contains the maximum number of messages possible (see the *MaxQDepth* local-queue attribute)

Event type: Performance.

Platforms: All.

Event queue: SYSTEM.ADMIN.PERFM.EVENT.

Note:

1. WebSphere MQ for z/OS supports queue depth events on shared queues. You might receive a NULL event message for a shared queue if a queue manager has performed no activity on that shared queue.
2. For shared queues, the correlation identifier, *CorrelId* in the message descriptor (MQMD) is set. See [“Event message MQMD \(message descriptor\)”](#) on page 110 for more information.

Event data***QMgrName***

Description:	Name of the queue manager generating the event.
Identifier:	MQCA_Q_MGR_NAME.
Data type:	MQCFST.
Maximum length:	MQ_Q_MGR_NAME_LENGTH.
Returned:	Always.

QName

Description:	Name of the queue on which the put was rejected.
Identifier:	MQCA_BASE_Q_NAME.
Data type:	MQCFST.
Maximum length:	MQ_Q_NAME_LENGTH.
Returned:	Always.

TimeSinceReset

Description:	Time, in seconds, since the statistics were last reset.
Identifier:	MQIA_TIME_SINCE_RESET.
Data type:	MQCFIN.
Returned:	Always.

HighQDepth

Description:	Maximum number of messages on a queue.
Identifier:	MQIA_HIGH_Q_DEPTH.
Data type:	MQCFIN.
Returned:	Always.

MsgEnqCount

Description:	Number of messages enqueued. This is the number of messages put on the queue since the queue statistics were last reset.
Identifier:	MQIA_MSG_ENQ_COUNT.
Data type:	MQCFIN.
Returned:	Always.

MsgDeqCount

Description:	Number of messages removed from the queue since the queue statistics were last reset.
--------------	---

Identifier: MQIA_MSG_DEQ_COUNT.
Data type: MQCFIN.
Returned: Always.

Queue Manager Active

Event name:	Queue Manager Active.
Reason code in MQCFH:	MQRC_Q_MGR_ACTIVE (2222, X'8AE'). Queue manager active.
Event description:	This condition is detected when a queue manager becomes active.
Event type:	Start And Stop.
Platforms:	All, except the first start of a WebSphere MQ for z/OS queue manager. In this case it is produced only on subsequent restarts.
Event queue:	SYSTEM.ADMIN.QMGR.EVENT.

Event data

QMgrName

Description: Name of the queue manager generating the event.
Identifier: MQCA_Q_MGR_NAME.
Data type: MQCFST.
Maximum length: MQ_Q_MGR_NAME_LENGTH.
Returned: Always.

Queue Manager Not Active

Event name:	Queue Manager Not Active.
Reason code in MQCFH:	MQRC_Q_MGR_NOT_ACTIVE (2223, X'8AF'). Queue manager unavailable.
Event description:	This condition is detected when a queue manager is requested to stop or quiesce.
Event type:	Start And Stop.
Platforms:	All, except WebSphere MQ for z/OS.
Event queue:	SYSTEM.ADMIN.QMGR.EVENT.

Event data

QMgrName

Description: Name of the queue manager generating the event.
Identifier: MQCA_Q_MGR_NAME.
Data type: MQCFST.
Maximum length: MQ_Q_MGR_NAME_LENGTH.

Returned: Always.

ReasonQualifier

Description: Identifier of causes of this reason code. This specifies the type of stop that was requested.

Identifier: MQIACF_REASON_QUALIFIER.

Data type: MQCFIN.

Values: **MQRQ_Q_MGR_STOPPING**
Queue manager stopping.
MQRQ_Q_MGR QUIESCING
Queue manager quiescing.

Returned: Always.

Queue Service Interval High

Event name: Queue Service Interval High.

Reason code in MQCFH: MQRC_Q_SERVICE_INTERVAL_HIGH (2226, X'8B2').
Queue service interval high.

Event description: No successful get operations or MQPUT calls have been detected within an interval greater than the limit specified in the *QServiceInterval* attribute.

Event type: Performance.

Platforms: All.

Event queue: SYSTEM.ADMIN.PERFM.EVENT.

Note: WebSphere MQ for z/OS does not support service interval events on shared queues.

Event data

QMgrName

Description: Name of the queue manager generating the event.

Identifier: MQCA_Q_MGR_NAME.

Data type: MQCFST.

Maximum length: MQ_Q_MGR_NAME_LENGTH.

Returned: Always.

QName

Description: Name of the queue specified on the command that caused this queue service interval event to be generated.

Identifier: MQCA_BASE_Q_NAME.

Data type: MQCFST.

Maximum length: MQ_Q_NAME_LENGTH.

Returned: Always.

TimeSinceReset

Description: Time, in seconds, since the statistics were last reset. For a service interval high event, this value is greater than the service interval.

Identifier: MQIA_TIME_SINCE_RESET.

Data type: MQCFIN.

Returned: Always.

HighQDepth

Description: Maximum number of messages on the queue since the queue statistics were last reset.

Identifier: MQIA_HIGH_Q_DEPTH.

Data type: MQCFIN.

Returned: Always.

MsgEnqCount

Description: Number of messages enqueued. This is the number of messages put on the queue since the queue statistics were last reset.

Identifier: MQIA_MSG_ENQ_COUNT.

Data type: MQCFIN.

Returned: Always.

MsgDeqCount

Description: Number of messages removed from the queue since the queue statistics were last reset.

Identifier: MQIA_MSG_DEQ_COUNT.

Data type: MQCFIN.

Returned: Always.

Queue Service Interval OK

Event name:	Queue Service Interval OK.
Reason code in MQCFH:	MQRC_Q_SERVICE_INTERVAL_OK (2227, X'8B3'). Queue service interval OK.
Event description:	A successful get operation has been detected within an interval less than or equal to the limit specified in the <i>QServiceInterval</i> attribute.
Event type:	Performance.
Platforms:	All.
Event queue:	SYSTEM.ADMIN.PERFM.EVENT.

Note: WebSphere MQ for z/OS does not support service interval events on shared queues.

Event data

QMgrName

Description:	Name of the queue manager generating the event.
Identifier:	MQCA_Q_MGR_NAME.
Data type:	MQCFST.
Maximum length:	MQ_Q_MGR_NAME_LENGTH.
Returned:	Always.

QName

Description:	Queue name specified on the command that caused this queue service interval event to be generated.
Identifier:	MQCA_BASE_Q_NAME.
Data type:	MQCFST.
Maximum length:	MQ_Q_NAME_LENGTH.
Returned:	Always.

TimeSinceReset

Description:	Time, in seconds, since the statistics were last reset.
Identifier:	MQIA_TIME_SINCE_RESET.
Data type:	MQCFIN.
Returned:	Always.

HighQDepth

Description:	Maximum number of messages on the queue since the queue statistics were last reset.
Identifier:	MQIA_HIGH_Q_DEPTH.
Data type:	MQCFIN.
Returned:	Always.

MsgEnqCount

Description:	Number of messages enqueued. This is the number of messages put on the queue since the queue statistics were last reset.
Identifier:	MQIA_MSG_ENQ_COUNT.
Data type:	MQCFIN.
Returned:	Always.

MsgDeqCount

Description:	Number of messages removed from the queue since the queue statistics were last reset.
Identifier:	MQIA_MSG_DEQ_COUNT.
Data type:	MQCFIN.
Returned:	Always.

Queue Type Error

Event name:	Queue Type Error.
Reason code in MQCFH:	MQRC_Q_TYPE_ERROR (2057, X'809'). Queue type not valid.
Event description:	On an MQOPEN call, the <i>ObjectQMgrName</i> field in the object descriptor specifies the name of a local definition of a remote queue (in order to specify a queue-manager alias). In that local definition the <i>RemoteQMgrName</i> attribute is the name of the local queue manager. However, the <i>ObjectName</i> field specifies the name of a model queue on the local queue manager, which is not allowed. See the Queue manager events for more information.
Event type:	Remote.
Platforms:	All.
Event queue:	SYSTEM.ADMIN.QMGR.EVENT.

Event data

QMgrName

Description:	Name of the queue manager generating the event.
Identifier:	MQCA_Q_MGR_NAME.
Data type:	MQCFST.
Maximum length:	MQ_Q_MGR_NAME_LENGTH.
Returned:	Always.

QName

Description:	Queue name from object descriptor (MQOD).
Identifier:	MQCA_Q_NAME.
Data type:	MQCFST.
Maximum length:	MQ_Q_NAME_LENGTH.
Returned:	Always.

ApplType

Description:	Type of application making the MQI call that caused the event.
Identifier:	MQIA_APPL_TYPE.
Data type:	MQCFIN.
Returned:	Always.

ApplName

Description:	Name of the application making the MQI call that caused the event.
Identifier:	MQCACF_APPL_NAME.
Data type:	MQCFST.
Maximum length:	MQ_APPL_NAME_LENGTH.
Returned:	Always.

ObjectQMgrName

Description: Name of the object queue manager.
Identifier: MQCACF_OBJECT_Q_MGR_NAME.
Data type: MQCFST.
Maximum length: MQ_Q_MGR_NAME_LENGTH.
Returned: Always.

ConnName

Description: Connection name for client connection.
Identifier: MQCACH_CONNECTION_NAME.
Data type: MQCFST.
Maximum length: MQ_CONN_NAME_LENGTH.
Returned: If the application making the MQI call that caused the event is a client attached application.

ChannelName

Description: Channel name for client connection.
Identifier: MQCACH_CHANNEL_NAME.
Data type: MQCFST.
Maximum length: MQ_CHANNEL_NAME_LENGTH.
Returned: If the application making the MQI call that caused the event is a client attached application.

Refresh object

Event name:	Refresh object.
Reason code in MQCFH:	MQRC_CONFIG_REFRESH_OBJECT (2370, X'942'). Refresh queue manager configuration.
Event description:	A REFRESH QMGR command specifying TYPE (CONFIGEV) was issued.
Event type:	Configuration.
Platforms:	All.
Event queue:	SYSTEM.ADMIN.CONFIG.EVENT.

Note: The REFRESH QMGR command can produce many configuration events; one event is generated for each object that is selected by the command.

Event data

EventUserId

Description: The user id that issued the command or call that generated the event. (This is the same user id that is used to check the authority to issue the command or call; for commands received from a queue, this is also the user identifier (UserIdentifier) from the MQMD of the command message).
Identifier: MQCACF_EVENT_USER_ID.

Data type: MQCFST.
Maximum length: MQ_USER_ID_LENGTH.
Returned: Always.

EventOrigin

Description: The origin of the action causing the event.
Identifier: MQIACF_EVENT_ORIGIN.
Data type: MQCFIN.
Values: **MQEVO_CONSOLE**
Console command.
MQEVO_INIT
Initialization input data set command.
MQEVO_INTERNAL
Directly by queue manager.
MQEVO_MSG
Command message on SYSTEM.COMMAND.INPUT.
MQEVO_OTHER
None of the above.
Returned: Always.

EventQMgr

Description: The queue manager where the command or call was entered. (The queue manager where the command is executed and that generates the event is in the MQMD of the event message).
Identifier: MQCACF_EVENT_Q_MGR.
Data type: MQCFST.
Maximum length: MQ_Q_MGR_NAME_LENGTH.
Returned: Always.

EventAccountingToken

Description: For commands received as a message (MQEVO_MSG), the accounting token (AccountingToken) from the MQMD of the command message.
Identifier: MQBACF_EVENT_ACCOUNTING_TOKEN.
Data type: MQCFBS.
Maximum length: MQ_ACCOUNTING_TOKEN_LENGTH.
Returned: Only if EventOrigin is MQEVO_MSG.

EventApplIdentity

Description: For commands received as a message (MQEVO_MSG), application identity data (ApplIdentityData) from the MQMD of the command message.
Identifier: MQCACF_EVENT_APPL_IDENTITY.
Data type: MQCFST.
Maximum length: MQ_APPL_IDENTITY_DATA_LENGTH.

Returned: Only if EventOrigin is MQEVO_MSG.

EventApplType

Description: For commands received as a message (MQEVO_MSG), the type of application (PutApplType) from the MQMD of the command message.

Identifier: MQIACF_EVENT_APPL_TYPE.

Data type: MQCFIN.

Returned: Only if EventOrigin is MQEVO_MSG.

EventApplName

Description: For commands received as a message (MQEVO_MSG), the name of the application (PutApplName) from the MQMD of the command message.

Identifier: MQCACF_EVENT_APPL_NAME.

Data type: MQCFST.

Maximum length: MQ_APPL_NAME_LENGTH.

Returned: Only if EventOrigin is MQEVO_MSG.

EventApplOrigin

Description: For commands received as a message (MQEVO_MSG), the application origin data (ApplOriginData) from the MQMD of the command message.

Identifier: MQCACF_EVENT_APPL_ORIGIN.

Data type: MQCFST.

Maximum length: MQ_APPL_ORIGIN_DATA_LENGTH.

Returned: Only if EventOrigin is MQEVO_MSG.

ObjectType

Description: Object type:

Identifier: MQIACF_OBJECT_TYPE.

Data type: MQCFIN.

Values:

MQOT_CHANNEL
Channel.

MQOT_CHLAUTH
Channel authentication record.

MQOT_NAMELIST
Namelist.

MQOT_NONE
No object.

MQOT_PROCESS
Process.

MQOT_Q
Queue.

MQOT_Q_MGR
Queue manager.

MQOT_STORAGE_CLASS
Storage class.

MQOT_AUTH_INFO
Authentication information.

MQOT_CF_STRUC
CF structure.

MQOT_TOPIC
Topic.

MQOT_COMM_INFO
Communication information.

MQOT_LISTENER
Channel Listener.

Returned: Always.

ObjectName

Description: Object name:

Identifier : Identifier will be according to object type.

- MQCACH_CHANNEL_NAME
- MQCA_NAMELIST_NAME
- MQCA_PROCESS_NAME
- MQCA_Q_NAME
- MQCA_Q_MGR_NAME
- MQCA_STORAGE_CLASS
- MQCA_AUTH_INFO_NAME
- MQCA_CF_STRUC_NAME
- MQCA_TOPIC_NAME
- MQCA_COMM_INFO_NAME
- MQCACH_LISTENER_NAME

Note: MQCACH_CHANNEL_NAME can also be used for channel authentication.

Data type: MQCFST.

Maximum length: MQ_OBJECT_NAME_LENGTH.

Returned: Always

Disposition

Description: Object disposition:

Identifier: MQIA_QSG_DISP.

Data type: MQCFIN.

Values: **MQQSGD_Q_MGR**
Object resides on page set of queue manager.

MQQSGD_SHARED
Object resides in shared repository and messages are shared in coupling facility.

MQQSGD_GROUP
Object resides in shared repository.

MQQSGD_COPY
Object resides on page set of queue manager and is a local copy of a GROUP object.

Returned: Always, except for queue manager and CF structure objects.

Object attributes

A parameter structure is returned for each attribute of the object. The attributes returned depend on the object type. For more information see [“Object attributes for event data” on page 74](#).

Remote Queue Name Error

Event name:	Remote Queue Name Error.
Reason code in MQCFH:	MQRC_REMOTE_Q_NAME_ERROR (2184, X'888'). Remote queue name not valid.
Event description:	On an MQOPEN or MQPUT1 call one of the following occurs: <ul style="list-style-type: none">• A local definition of a remote queue (or an alias to one) was specified, but the <i>RemoteQName</i> attribute in the remote queue definition is blank. Note that this error occurs even if the <i>XmitQName</i> in the definition is not blank.• The <i>ObjectQMgrName</i> field in the object descriptor is not blank and not the name of the local queue manager, but the <i>ObjectName</i> field is blank.
Event type:	Remote.
Platforms:	All.
Event queue:	SYSTEM.ADMIN.QMGR.EVENT.

Event data

QMgrName

Description: Name of the queue manager generating the event.

Identifier: MQCA_Q_MGR_NAME.

Data type: MQCFST.

Maximum length: MQ_Q_MGR_NAME_LENGTH.

Returned: Always.

QName

Description: Queue name from object descriptor (MQOD).

Identifier: MQCA_Q_NAME.

Data type: MQCFST.

Maximum length: MQ_Q_NAME_LENGTH.

Returned: Always.

ApplType

Description: Type of application making the MQI call that caused the event.

Identifier: MQIA_APPL_TYPE.

Data type: MQCFIN.

Returned: Always.

ApplName

Description: Name of the application making the MQI call that caused the event.

Identifier: MQCACF_APPL_NAME.

Data type: MQCFST.

Maximum length: MQ_APPL_NAME_LENGTH.

Returned: Always.

ObjectQMgrName

Description: Name of the object queue manager.

Identifier: MQCACF_OBJECT_Q_MGR_NAME.

Data type: MQCFST.

Maximum length: MQ_Q_MGR_NAME_LENGTH.

Returned: If the *ObjectName* in the object descriptor (MQOD), when the object was opened, is not the queue manager currently connected.

ConnName

Description: Connection name for client connection.

Identifier: MQCACH_CONNECTION_NAME.

Data type: MQCFST.

Maximum length: MQ_CONN_NAME_LENGTH.

Returned: If the application making the MQI call that caused the event is a client attached application.

ChannelName

Description: Channel name for client connection.

Identifier: MQCACH_CHANNEL_NAME.

Data type: MQCFST.

Maximum length: MQ_CHANNEL_NAME_LENGTH

Returned: If the application making the MQI call that caused the event is a client attached application.

Transmission Queue Type Error

Event name: Transmission Queue Type Error.

Reason code in MQCFH: MQRC_XMIT_Q_TYPE_ERROR (2091, X'82B').
Transmission queue not local.

Event description: On an MQOPEN or MQPUT1 call, a message is to be sent to a remote queue manager. The *ObjectName* or *ObjectQMGrName* field in the object descriptor specifies the name of a local definition of a remote queue but one of the following applies to the *XmitQName* attribute of the definition. Either:

- *XmitQName* is not blank, but specifies a queue that is not a local queue, or
- *XmitQName* is blank, but *RemoteQMGrName* specifies a queue that is not a local queue

This also occurs if the queue name is resolved through a cell directory, and the remote queue manager name obtained from the cell directory is the name of a queue, but this is not a local queue.

Event type: Remote.

Platforms: All.

Event queue: SYSTEM.ADMIN.QMGR.EVENT.

Event data

QMGrName

Description: Name of the queue manager generating the event.

Identifier: MQCA_Q_MGR_NAME.

Data type: MQCFST.

Maximum length: MQ_Q_MGR_NAME_LENGTH.

Returned: Always.

QName

Description: Queue name from object descriptor (MQOD).

Identifier: MQCA_Q_NAME.

Data type: MQCFST.

Maximum length: MQ_Q_NAME_LENGTH.

Returned: Always.

XmitQName

Description: Transmission queue name.

Identifier: MQCA_XMIT_Q_NAME.

Data type: MQCFST.

Maximum length: MQ_Q_NAME_LENGTH.

Returned: Always.

QType

Description: Type of transmission queue.

Identifier: MQIA_Q_TYPE.

Data type: MQCFIN.

Values: **MQQT_ALIAS**
Alias queue definition.

MQQT_REMOTE
Local definition of a remote queue.

Returned: Always.

ApplType

Description: Type of application making the MQI call that caused the event.

Identifier: MQIA_APPL_TYPE.

Data type: MQCFIN.

Returned: Always.

ApplName

Description: Name of the application making the MQI call that caused the event.

Identifier: MQCACF_APPL_NAME.

Data type: MQCFST.

Maximum length: MQ_APPL_NAME_LENGTH.

Returned: Always.

ObjectQMgrName

Description: Name of the object queue manager.

Identifier: MQCACF_OBJECT_Q_MGR_NAME.

Data type: MQCFST.

Maximum length: MQ_Q_MGR_NAME_LENGTH.

Returned: If the *ObjectName* in the object descriptor (MQOD), when the object was opened, is not the queue manager currently connected.

ConnName

Description: Connection name for client connection.

Identifier: MQCACH_CONNECTION_NAME.

Data type: MQCFST.

Maximum length: MQ_CONN_NAME_LENGTH.

Returned: If the application making the MQI call that caused the event is a client attached application.

ChannelName

Description:	Channel name for client connection.
Identifier:	MQCACH_CHANNEL_NAME.
Data type:	MQCFST.
Maximum length:	MQ_CHANNEL_NAME_LENGTH
Returned:	If the application making the MQI call that caused the event is a client attached application.

Transmission Queue Usage Error

Event name:	Transmission Queue Usage Error.
Reason code in MQCFH:	MQRC_XMIT_Q_USAGE_ERROR (2092, X'82C'). Transmission queue with wrong usage.
Event description:	<p>On an MQOPEN or MQPUT1 call, a message is to be sent to a remote queue manager, but one of the following occurred. Either:</p> <ul style="list-style-type: none">• <i>ObjectQMGrName</i> specifies the name of a local queue, but it does not have a <i>Usage</i> attribute of MQUS_TRANSMISSION.• The <i>ObjectName</i> or <i>ObjectQMGrName</i> field in the object descriptor specifies the name of a local definition of a remote queue but one of the following applies to the <i>XmitQName</i> attribute of the definition:<ul style="list-style-type: none">– <i>XmitQName</i> is not blank, but specifies a queue that does not have a <i>Usage</i> attribute of MQUS_TRANSMISSION– <i>XmitQName</i> is blank, but <i>RemoteQMGrName</i> specifies a queue that does not have a <i>Usage</i> attribute of MQUS_TRANSMISSION• The queue name is resolved through a cell directory, and the remote queue manager name obtained from the cell directory is the name of a local queue, but it does not have a <i>Usage</i> attribute of MQUS_TRANSMISSION.
Event type:	Remote.
Platforms:	All.
Event queue:	SYSTEM.ADMIN.QMGR.EVENT.

Event data

QMGrName

Description:	Name of the queue manager generating the event.
Identifier:	MQCA_Q_MGR_NAME.
Data type:	MQCFST.
Maximum length:	MQ_Q_MGR_NAME_LENGTH.
Returned:	Always.

QName

Description:	Queue name from object descriptor (MQOD).
Identifier:	MQCA_Q_NAME.
Data type:	MQCFST.

Maximum length: MQ_Q_NAME_LENGTH.
Returned: Always.

XmitQName

Description: Transmission queue name.
Identifier: MQCA_XMIT_Q_NAME.
Data type: MQCFST.
Maximum length: MQ_Q_NAME_LENGTH.
Returned: Always.

ApplType

Description: Type of application making the MQI call that caused the event.
Identifier: MQIA_APPL_TYPE.
Data type: MQCFIN.
Returned: Always.

ApplName

Description: Name of the application making the MQI call that caused the event.
Identifier: MQCACF_APPL_NAME.
Data type: MQCFST.
Maximum length: MQ_APPL_NAME_LENGTH.
Returned: Always.

ObjectQMgrName

Description: Name of the object queue manager.
Identifier: MQCACF_OBJECT_Q_MGR_NAME.
Data type: MQCFST.
Maximum length: MQ_Q_MGR_NAME_LENGTH.
Returned: If the *ObjectName* in the object descriptor (MQOD), when the object was opened, is not the queue manager currently connected.

ConnName

Description: Connection name for client connection.
Identifier: MQCACH_CONNECTION_NAME.
Data type: MQCFST.
Maximum length: MQ_CONN_NAME_LENGTH.
Returned: If the application making the MQI call that caused the event is a client attached application.

ChannelName

Description: Channel name for client connection.
Identifier: MQCACH_CHANNEL_NAME.

Data type: MQCFST.
 Maximum length: MQ_CHANNEL_NAME_LENGTH
 Returned: If the application making the MQI call that caused the event is a client attached application.

Unknown Alias Base Queue

Event name:	Unknown Alias Base Queue.
Reason code in MQCFH:	MQRC_UNKNOWN_ALIAS_BASE_Q (2082, X'822'). Unknown alias base queue or topic.
Event description:	An MQOPEN or MQPUT1 call was issued specifying an alias queue as the destination, but the <i>BaseObjectName</i> in the alias queue attributes is not recognized as a queue or topic name.
Event type:	Local.
Platforms:	All.
Event queue:	SYSTEM.ADMIN.QMGR.EVENT.

Event data

QMgrName

Description: Name of the queue manager generating the event.
 Identifier: MQCA_Q_MGR_NAME.
 Data type: MQCFST.
 Maximum length: MQ_Q_MGR_NAME_LENGTH.
 Returned: Always.

QName

Description: Queue name from object descriptor (MQOD).
 Identifier: MQCA_Q_NAME.
 Data type: MQCFST.
 Maximum length: MQ_Q_NAME_LENGTH.
 Returned: Always.

BaseObjectName

Description: Object name to which the alias resolves.
 Identifier: MQCA_BASE_OBJECT_NAME. For compatibility with existing applications, you can still use MQCA_BASE_Q_NAME.
 Data type: MQCFST.
 Maximum length: MQ_Q_NAME_LENGTH.
 Returned: Always.

AppType

Description: Type of application making the MQI call that caused the event.

Identifier: MQIA_APPL_TYPE.
Data type: MQCFIN.
Returned: Always.

AppIName

Description: Name of the application making the MQI call that caused the event.
Identifier: MQCACF_APPL_NAME.
Data type: MQCFST.
Maximum length: MQ_APPL_NAME_LENGTH.
Returned: Always.

ObjectQMgrName

Description: Name of the object queue manager.
Identifier: MQCACF_OBJECT_Q_MGR_NAME.
Data type: MQCFST.
Maximum length: MQ_Q_MGR_NAME_LENGTH.
Returned: If the *ObjectName* in the object descriptor (MQOD), when the object was opened, is not the queue manager currently connected.

BaseType

Description: Type of object to which the alias resolves.
Identifier: MQIA_BASE_TYPE.
Data type: MQCFIN.
Values: **MQOT_Q**
Base object type is a queue
MQOT_TOPIC
Base object type is a topic
Returned: Always.

ConnName

Description: Connection name for client connection.
Identifier: MQCACH_CONNECTION_NAME.
Data type: MQCFST.
Maximum length: MQ_CONN_NAME_LENGTH.
Returned: If the application making the MQI call that caused the event is a client attached application.

ChannelName

Description: Channel name for client connection.
Identifier: MQCACH_CHANNEL_NAME.
Data type: MQCFST.
Maximum length: MQ_CHANNEL_NAME_LENGTH

Returned: If the application making the MQI call that caused the event is a client attached application.

Unknown Default Transmission Queue

Event name:	Unknown Default Transmission Queue.
Reason code in MQCFH:	MQRC_UNKNOWN_DEF_XMIT_Q (2197, X'895'). Unknown default transmission queue.
Event description:	An MQOPEN or MQPUT1 call was issued specifying a remote queue as the destination. If a local definition of the remote queue was specified, or if a queue-manager alias is being resolved, the <i>XmitQName</i> attribute in the local definition is blank. No queue is defined with the same name as the destination queue manager. The queue manager has therefore attempted to use the default transmission queue. However, the name defined by the <i>DefXmitQName</i> queue-manager attribute is not the name of a locally-defined queue.
Event type:	Remote.
Platforms:	All.
Event queue:	SYSTEM.ADMIN.QMGR.EVENT.

Event data

QMgrName

Description: Name of the queue manager generating the event.
Identifier: MQCA_Q_MGR_NAME.
Data type: MQCFST.
Maximum length: MQ_Q_MGR_NAME_LENGTH.
Returned: Always.

QName

Description: Queue name from object descriptor (MQOD).
Identifier: MQCA_Q_NAME.
Data type: MQCFST.
Maximum length: MQ_Q_NAME_LENGTH.
Returned: Always.

XmitQName

Description: Default transmission queue name.
Identifier: MQCA_XMIT_Q_NAME.
Data type: MQCFST.
Maximum length: MQ_Q_NAME_LENGTH.
Returned: Always.

ApplType

Description: Type of application attempting to open the remote queue.
Identifier: MQIA_APPL_TYPE.
Data type: MQCFIN.
Returned: Always.

ApplName

Description: Name of the application attempting to open the remote queue.
Identifier: MQCACF_APPL_NAME.
Data type: MQCFST.
Maximum length: MQ_APPL_NAME_LENGTH.
Returned: Always.

ObjectQMgrName

Description: Name of the object queue manager.
Identifier: MQCACF_OBJECT_Q_MGR_NAME.
Data type: MQCFST.
Maximum length: MQ_Q_MGR_NAME_LENGTH.
Returned: If the *ObjectName* in the object descriptor (MQOD), when the object was opened, is not the queue manager currently connected.

ConnName

Description: Connection name for client connection.
Identifier: MQCACH_CONNECTION_NAME.
Data type: MQCFST.
Maximum length: MQ_CONN_NAME_LENGTH.
Returned: If the application making the MQI call that caused the event is a client attached application.

ChannelName

Description: Channel name for client connection.
Identifier: MQCACH_CHANNEL_NAME.
Data type: MQCFST.
Maximum length: MQ_CHANNEL_NAME_LENGTH.
Returned: If the application making the MQI call that caused the event is a client attached application.

Unknown Object Name

Event name:	Unknown Object Name.
Reason code in MQCFH:	MQRC_UNKNOWN_OBJECT_NAME (2085, X'825'). Unknown object name.

Event description: On an MQOPEN or MQPUT1 call, the *ObjectQMGrName* field in the object descriptor MQOD is set to one of the following options. It is either:

- Blank
- The name of the local queue manager
- The name of a local definition of a remote queue (a queue-manager alias) in which the *RemoteQMGrName* attribute is the name of the local queue manager

However, the *ObjectName* in the object descriptor is not recognized for the specified object type.

Event type:	Local.
Platforms:	All.
Event queue:	SYSTEM.ADMIN.QMGR.EVENT.

Event data

QMGrName

Description: Name of the queue manager generating the event.
 Identifier: MQCA_Q_MGR_NAME.
 Data type: MQCFST.
 Maximum length: MQ_Q_MGR_NAME_LENGTH.
 Returned: Always.

ApplType

Description: Type of application making the MQI call that caused the event.
 Identifier: MQIA_APPL_TYPE.
 Data type: MQCFIN.
 Returned: Always.

ApplName

Description: Name of the application making the MQI call that caused the event.
 Identifier: MQCACF_APPL_NAME.
 Data type: MQCFST.
 Maximum length: MQ_APPL_NAME_LENGTH.
 Returned: Always.

QName

Description: Queue name from object descriptor (MQOD).
 Identifier: MQCA_Q_NAME.
 Data type: MQCFST.
 Maximum length: MQ_Q_NAME_LENGTH.
 Returned: If the object opened is a queue object. Either *QName* or *TopicName* is returned.

ProcessName

Description:	Process object name from object descriptor (MQOD).
Identifier:	MQCA_PROCESS_NAME.
Data type:	MQCFST.
Maximum length:	MQ_PROCESS_NAME_LENGTH.
Returned:	If the object opened is a process object. One of <i>ProcessName</i> , <i>QName</i> , or <i>TopicName</i> is returned.

ObjectQMgrName

Description:	Name of the object queue manager.
Identifier:	MQCACF_OBJECT_Q_MGR_NAME.
Data type:	MQCFST.
Maximum length:	MQ_Q_MGR_NAME_LENGTH.
Returned:	If the <i>ObjectName</i> in the object descriptor (MQOD), when the object was opened, is not the queue manager currently connected.

TopicName

Description:	Topic object name from object descriptor (MQOD).
Identifier:	MQCA_TOPIC_NAME.
Data type:	MQCFST.
Maximum length:	MQ_TOPIC_NAME_LENGTH.
Returned:	If the object opened is a topic object. One of <i>ProcessName</i> , <i>QName</i> , or <i>TopicName</i> is returned.

ConnName

Description:	Connection name for client connection.
Identifier:	MQCACH_CONNECTION_NAME.
Data type:	MQCFST.
Maximum length:	MQ_CONN_NAME_LENGTH.
Returned:	If the application making the MQI call that caused the event is a client attached application.

ChannelName

Description:	Channel name for client connection.
Identifier:	MQCACH_CHANNEL_NAME.
Data type:	MQCFST.
Maximum length:	MQ_CHANNEL_NAME_LENGTH.
Returned:	If the application making the MQI call that caused the event is a client attached application.

Unknown Remote Queue Manager

Event name: Unknown Remote Queue Manager.

Reason code in MQCFH: MQRC_UNKNOWN_REMOTE_Q_MGR (2087, X'827').
Unknown remote queue manager.

Event description: On an MQOPEN or MQPUT1 call, an error occurred with queue-name resolution, for one of the following reasons:

- *ObjectQMgrName* is either blank or the name of the local queue manager, and *ObjectName* is the name of a local definition of a remote queue that has a blank *XmitQName*. However, there is no (transmission) queue defined with the name of *RemoteQMgrName*, and the *DefXmitQName* queue-manager attribute is blank.
- *ObjectQMgrName* is the name of a queue-manager alias definition (held as the local definition of a remote queue) that has a blank *XmitQName*. However, there is no (transmission) queue defined with the name of *RemoteQMgrName*, and the *DefXmitQName* queue-manager attribute is blank.
- *ObjectQMgrName* specified is not:
 - Blank
 - The name of the local queue manager
 - The name of a local queue
 - The name of a queue-manager alias definition (that is, a local definition of a remote queue with a blank *RemoteQName*) and the *DefXmitQName* queue-manager attribute is blank.
- *ObjectQMgrName* is blank or is the name of the local queue manager, and *ObjectName* is the name of a local definition of a remote queue (or an alias to one), for which *RemoteQMgrName* is either blank or is the name of the local queue manager. This error occurs even if the *XmitQName* is not blank.
- *ObjectQMgrName* is the name of a local definition of a remote queue. In this case, it should be a queue-manager alias definition, but the *RemoteQName* in the definition is not blank.
- *ObjectQMgrName* is the name of a model queue.
- The queue name is resolved through a cell directory. However, there is no queue defined with the same name as the remote queue manager name obtained from the cell directory. Also, the *DefXmitQName* queue-manager attribute is blank.
- On z/OS only: a message was put to a queue manager in a queue-sharing group and *SQQMNAME* is set to USE. This routes the message to the specified queue manager in order to be put on the queue. If *SQQMNAME* is set to IGNORE, the message is put to the queue directly.

Event type: Remote.

Platforms: All.

Event queue: SYSTEM.ADMIN.QMGR.EVENT.

Event data

QMgrName

Description: Name of the queue manager generating the event.
Identifier: MQCA_Q_MGR_NAME.
Data type: MQCFST.

Maximum length: MQ_Q_MGR_NAME_LENGTH.
Returned: Always.

QName

Description: Queue name from object descriptor (MQOD).
Identifier: MQCA_Q_NAME.
Data type: MQCFST.
Maximum length: MQ_Q_NAME_LENGTH.
Returned: Always.

ApplType

Description: Type of application attempting to open the remote queue.
Identifier: MQIA_APPL_TYPE.
Data type: MQCFIN.
Returned: Always.

ApplName

Description: Name of the application attempting to open the remote queue.
Identifier: MQCACF_APPL_NAME.
Data type: MQCFST.
Maximum length: MQ_APPL_NAME_LENGTH.
Returned: Always.

ObjectQMgrName

Description: Name of the object queue manager.
Identifier: MQCACF_OBJECT_Q_MGR_NAME.
Data type: MQCFST.
Maximum length: MQ_Q_MGR_NAME_LENGTH.
Returned: If the *ObjectName* in the object descriptor (MQOD), when the object was opened, is not the queue manager currently connected.

ConnName

Description: Connection name for client connection.
Identifier: MQCACH_CONNECTION_NAME.
Data type: MQCFST.
Maximum length: MQ_CONN_NAME_LENGTH.
Returned: If the application making the MQI call that caused the event is a client attached application.

ChannelName

Description: Channel name for client connection.
Identifier: MQCACH_CHANNEL_NAME.

Data type: MQCFST.
 Maximum length: MQ_CHANNEL_NAME_LENGTH
 Returned: If the application making the MQI call that caused the event is a client attached application.

Unknown Transmission Queue

Event name:	Unknown Transmission Queue.
Reason code in MQCFH:	MQRC_UNKNOWN_XMIT_Q (2196, X'894'). Unknown transmission queue.
Event description:	On an MQOPEN or MQPUT1 call, a message is to be sent to a remote queue manager. The <i>ObjectName</i> or the <i>ObjectQMGrName</i> in the object descriptor specifies the name of a local definition of a remote queue (in the latter case queue-manager aliasing is being used). However, the <i>XmitQName</i> attribute of the definition is not blank and not the name of a locally-defined queue.
Event type:	Remote.
Platforms:	All.
Event queue:	SYSTEM.ADMIN.QMGR.EVENT.

Event data

QMGrName

Description: Name of the queue manager generating the event.
 Identifier: MQCA_Q_MGR_NAME.
 Data type: MQCFST.
 Maximum length: MQ_Q_MGR_NAME_LENGTH.
 Returned: Always.

QName

Description: Queue name from object descriptor (MQOD).
 Identifier: MQCA_Q_NAME.
 Data type: MQCFST.
 Maximum length: MQ_Q_NAME_LENGTH.
 Returned: Always.

XmitQName

Description: Transmission queue name.
 Identifier: MQCA_XMIT_Q_NAME.
 Data type: MQCFST.
 Maximum length: MQ_Q_NAME_LENGTH.
 Returned: Always.

ApplType

Description:	Type of application making the MQI call that caused the event.
Identifier:	MQIA_APPL_TYPE.
Data type:	MQCFIN.
Returned:	Always.

ApplName

Description:	Name of the application making the MQI call that caused the event.
Identifier:	MQCACF_APPL_NAME.
Data type:	MQCFST.
Maximum length:	MQ_APPL_NAME_LENGTH.
Returned:	Always.

ObjectQMgrName

Description:	Name of the object queue manager.
Identifier:	MQCACF_OBJECT_Q_MGR_NAME.
Data type:	MQCFST.
Maximum length:	MQ_Q_MGR_NAME_LENGTH.
Returned:	If the <i>ObjectName</i> in the object descriptor (MQOD), when the object was opened, is not the queue manager currently connected.

ConnName

Description:	Connection name for client connection.
Identifier:	MQCACH_CONNECTION_NAME.
Data type:	MQCFST.
Maximum length:	MQ_CONN_NAME_LENGTH.
Returned:	If the application making the MQI call that caused the event is a client attached application.

ChannelName

Description:	Channel name for client connection.
Identifier:	MQCACH_CHANNEL_NAME.
Data type:	MQCFST.
Maximum length:	MQ_CHANNEL_NAME_LENGTH
Returned:	If the application making the MQI call that caused the event is a client attached application.

Troubleshooting and support reference

Use the reference information in this section to help you diagnose errors with IBM WebSphere MQ.

Select the appropriate topic from the following list to diagnose problems and errors in IBM WebSphere MQ:

- [“An example of IBM WebSphere MQ Telemetry for Windows trace data” on page 214](#)

- [“Example trace data for IBM WebSphere MQ Telemetry for UNIX and Linux systems” on page 215](#)
- [“Examples of trace output” on page 218](#)
- [“Examples of CEDF output” on page 220](#)

Related concepts

[Troubleshooting overview](#)

Related tasks

[Troubleshooting and support](#)

[Using trace](#)

An example of IBM WebSphere MQ Telemetry for Windows trace data

An extract from an IBM WebSphere MQ Telemetry for Windows trace file.

```

Counter  TimeStamp          PID.TID  Ident  Data
=====
00000EF7 16:18:56.381367      2512.1  :      !! - Thread stack
00000EF8 16:18:56.381406      2512.1  :      !! - -> InitProcessInitialisation
00000EF9 16:18:56.381429      2512.1  :      --{ InitProcessInitialisation
00000EFA 16:18:56.381514      2512.1  :      ---{ xcsReleaseThreadMutexSem
00000EFB 16:18:56.381529      2512.1  :      ---{ xcsReleaseThreadMutexSem (rc=OK)
00000EFC 16:18:56.381540      2512.1  :      ---{ xcsGetEnvironmentString
00000EFD 16:18:56.381574      2512.1  :      :
xcsGetEnvironmentString[AMQ_REUSE_SHARED_THREAD] = NULL
00000EFE 16:18:56.381587      2512.1  :      ---}{! xcsGetEnvironmentString
(rc=xecE_E_ENV_VAR_NOT_FOUND)
00000EFF 16:18:56.381612      2512.1  :      ---{ xcsGetEnvironmentInteger
00000F00 16:18:56.381622      2512.1  :      ----{ xcsGetEnvironmentString
00000F01 16:18:56.381647      2512.1  :      :
xcsGetEnvironmentString[AMQ_AFFINITY_MASK] = NULL
00000F02 16:18:56.381660      2512.1  :      ----}{! xcsGetEnvironmentString
(rc=xecE_E_ENV_VAR_NOT_FOUND)
00000F03 16:18:56.381673      2512.1  :      ---}{! xcsGetEnvironmentInteger
(rc=xecE_E_ENV_VAR_NOT_FOUND)
00000F04 16:18:56.381684      2512.1  :      :
00000F05 16:18:56.381708      2512.1  :      :
xcsGetEnvironmentString[AMQ_FFSTINFO] =
NULL
00000F06 16:18:56.381747      2512.1  :      :
---}{! xcsGetEnvironmentString
(rc=xecE_E_ENV_VAR_NOT_FOUND)
00000F07 16:18:56.381760      2512.1  :      :
---{ xcsIsEnvironment
00000F08 16:18:56.381783      2512.1  :      :
xcsIsEnvironment[AMQ_DEBUG_MTIME] = FALSE
00000F09 16:18:56.381793      2512.1  :      :
---}{ xcsIsEnvironment (rc=OK)
00000F0A 16:18:56.381804      2512.1  :      :
---}{ xcsGetEnvironmentInteger
00000F0B 16:18:56.381811      2512.1  :      :
----}{ xcsGetEnvironmentString
00000F0C 16:18:56.381835      2512.1  :      :
xcsGetEnvironmentString[AMQ_CBM_REUSE_FACTOR] = NULL
00000F0D 16:18:56.381848      2512.1  :      :
----}{! xcsGetEnvironmentString
(rc=xecE_E_ENV_VAR_NOT_FOUND)
00000F0E 16:18:56.381861      2512.1  :      :
---}{! xcsGetEnvironmentInteger
(rc=xecE_E_ENV_VAR_NOT_FOUND)
00000F0F 16:18:56.381874      2512.1  :      :
---{ xcsGetEnvironmentInteger
00000F10 16:18:56.381885      2512.1  :      :
----}{ xcsGetEnvironmentString
00000F11 16:18:56.381908      2512.1  :      :
xcsGetEnvironmentString[AMQ_CBM_MAX_CACHEABLE_SIZE] = NULL
00000F12 16:18:56.381919      2512.1  :      :
----}{! xcsGetEnvironmentString
(rc=xecE_E_ENV_VAR_NOT_FOUND)
00000F13 16:18:56.381929      2512.1  :      :
---}{! xcsGetEnvironmentInteger
(rc=xecE_E_ENV_VAR_NOT_FOUND)
00000F14 16:18:56.381941      2512.1  :      :
---{ xcsGetEnvironmentInteger
00000F15 16:18:56.381952      2512.1  :      :
----}{ xcsGetEnvironmentString
00000F16 16:18:56.381976      2512.1  :      :
xcsGetEnvironmentString[AMQ_CBM_LEN] =
NULL
00000F17 16:18:56.381992      2512.1  :      :
----}{! xcsGetEnvironmentString
(rc=xecE_E_ENV_VAR_NOT_FOUND)
00000F18 16:18:56.382003      2512.1  :      :
---}{! xcsGetEnvironmentInteger
(rc=xecE_E_ENV_VAR_NOT_FOUND)
00000F19 16:18:56.382016      2512.1  :      :
--} InitProcessInitialisation (rc=OK)
00000F1A 16:18:56.383045      2512.1  :      :
--{ DLLMain
00000F1B 16:18:56.383059      2512.1  :      :
---{ MCSInitCriticalSection
00000F1C 16:18:56.383068      2512.1  :      :
---}{ MCSInitCriticalSection (rc=OK)

```

Figure 1. Sample WebSphere MQ for Windows trace

Example trace data for IBM WebSphere MQ Telemetry for UNIX and Linux systems

An extract from an IBM WebSphere MQ Telemetry for HP-UX trace file.

Timestamp	Process.Thread	Trace Ident	Trace Data
10:36:38.973286	11352.1	:	Header.v02:7.0:HP-UX B.11.31:64:0:1:GMT
10:36:38.973328	11352.1	:	Version : 7.0.1.3 Level :
10:36:38.973347	11352.1	:	UTC Date : 02/28/12 Time :
10:36:38.973271	11352.1	:	Local Date : 02/28/12 Time :
10:36:38.973271	GMT	:	
10:36:38.973378	11352.1	:	PID : 11352 Process : dlrmqm_nd (64-bit)
10:36:38.973384	11352.1	:	Host : myhost
10:36:38.973389	11352.1	:	Operating System : HP-UX B.11.31
10:36:38.973394	11352.1	:	Product Long Name : WebSphere MQ for HP-UX
10:36:38.973399	11352.1	:	-----
10:36:38.973405	11352.1	:	xtrNullFd: 4, xihTraceFileNum: 5
10:36:38.973434	11352.1	:	Thread stack
10:36:38.974303	11352.1	:	-> InitProcessInitialisation
10:36:38.974309	11352.1	:	{ InitProcessInitialisation
10:36:38.974314	11352.1	:	-{ xcsIsEnvironment
10:36:38.974338	11352.1	:	xcsIsEnvironment[AMQ_NO_CS_RELOAD] = FALSE
10:36:38.974343	11352.1	:	-} xcsIsEnvironment rc=OK
10:36:38.974356	11352.1	:	-{ xcsLoadFunction
10:36:38.974362	11352.1	:	LibName(libmqmcs_r.so) LoadType(2097200)
10:36:38.974368	11352.1	:	General, comms, CS, OAM, or WAS
10:36:38.974388	11352.1	:	--{ xcsQueryValueForSubpool
10:36:38.974401	11352.1	:	--} xcsQueryValueForSubpool rc=OK
10:36:38.974451	11352.1	:	FullPathLibName(/opt/mqm/lib64/
libmqmcs_r.so) loaded with dlopen		:	
10:36:38.974456	11352.1	:	--{ xcsGetMemFn
10:36:38.974463	11352.1	:	component:24 function:176 length:2088
options:0 cbmindex:-1 *pointer:600000000003b198		:	
10:36:38.974468	11352.1	:	--} xcsGetMemFn rc=OK
10:36:38.974475	11352.1	:	Handle(0000000000000000)
Function(0000000000000000) FullPathLibName(/opt/mqm/lib64/libmqmcs_r.so)		:	
10:36:38.974480	11352.1	:	-} xcsLoadFunction rc=OK
10:36:38.974486	11352.1	:	SystemPageSize is 4096.
10:36:38.974493	11352.1	:	getrlimit for RLIMIT_NOFILE returned
rlim_cur=2048 rlim_max=4096		:	

Figure 2. Sample WebSphere MQ for HP-UX trace

Figure 3 on page 216 shows an extract from a WebSphere MQ for Solaris trace:

```

Timestamp      Process.Thread Trace Ident Trace Data
=====
11:48:57.905466 7078.1      :      Header.v02:7.0:SunOS 5.9:64:-1:1:GMT
11:48:57.905625 7078.1      :      Version : 7.0.0.0   Level : p000-L090514
11:48:57.905770 7078.1      :      UTC   Date : 05/15/09   Time :
10:48:57.905364
11:48:57.905816 7078.1      :      Local Date : 05/15/09   Time :
11:48:57.905364 GMT
11:48:57.906104 7078.1      :      PID : 7078 Process : dltmqm_nd (64-bit)
11:48:57.906129 7078.1      :      Host : computer.v6.hursley.ibm.com
11:48:57.906148 7078.1      :      Operating System : SunOS 5.9
11:48:57.906167 7078.1      :      Product Long Name : WebSphere MQ for
Solaris (SPARC platform)
11:48:57.906184 7078.1      :      -----
11:48:57.906203 7078.1      :      xtrNullFd: 4, xihTraceFileNum: 5
11:48:57.906276 7078.1      :      Thread stack
11:48:57.906353 7078.1      :      { xcsInitialize
11:48:57.906385 7078.1      :      --{ InitPrivateServices
11:48:57.906439 7078.1      :      --{ xcsGetEnvironmentString
11:48:57.906566 7078.1      :
xcsGetEnvironmentString[MQS_ACTION_ON_EXCEPTION] = NULL
11:48:57.906608 7078.1      :      --{! xcsGetEnvironmentString
rc=xecE_E_ENV_VAR_NOT_FOUND
11:48:57.906709 7078.1      :      --{ xcsIsEnvironment
11:48:57.906738 7078.1      :      xcsIsEnvironment[AMQ_SIGCHLD_SIGACTION] =
FALSE
11:48:57.906755 7078.1      :      --{ xcsIsEnvironment rc=OK
11:48:57.906771 7078.1      :      AMQ_SIGCHLD_SIGACTION is not set
11:48:57.906835 7078.1      :      --{ xcsIsEnvironment
11:48:57.906862 7078.1      :
xcsIsEnvironment[MQS_NO_SYNC_SIGNAL_HANDLING] = FALSE
11:48:57.906878 7078.1      :      --{ xcsIsEnvironment rc=OK
11:48:57.907000 7078.1      :      FPE Handler installed, New=7e0b0f38, Old=0
11:48:57.907035 7078.1      :      SEGV Handler installed, New=7e0b0f38, Old=0
11:48:57.907063 7078.1      :      BUS Handler installed, New=7e0b0f38, Old=0
11:48:57.907091 7078.1      :      ILL Handler installed, New=7e0b0f38, Old=0
11:48:57.907109 7078.1      :      Synchronous Signal Handling Activated

```

Figure 3. Sample WebSphere MQ for Solaris trace

Figure 4 on page 217 shows an extract from a WebSphere MQ for Linux trace:

```

Timestamp      Process.Thread Trace Ident Trace Data
=====
11:02:23.643879 1239.1      :      Header.v02:7.0:Linux 2.6.5-7.276-
smp:32:-1:1:GMT
11:02:23.643970 1239.1      :      Version : 7.0.0.0    Level : p000-L090514
11:02:23.644025 1239.1      :      UTC   Date : 05/15/09 Time :
10:02:23.643841
11:02:23.644054 1239.1      :      Local Date : 05/15/09 Time :
11:02:23.643841 GMT
11:02:23.644308 1239.1      :      PID : 1239 Process : dltmqm (32-bit)
11:02:23.644324 1239.1      :      Host : hal1
11:02:23.644334 1239.1      :      Operating System : Linux 2.6.5-7.276-smp
11:02:23.644344 1239.1      :      Product Long Name : WebSphere MQ for Linux
(x86 platform)
11:02:23.644353 1239.1      :
11:02:23.644363 1239.1      :      xtrNullFd: 3, xihTraceFileNum: 4
11:02:23.644394 1239.1      :      Thread stack
11:02:23.644412 1239.1      :      -> InitProcessInitialisation
11:02:23.644427 1239.1      :      { InitProcessInitialisation
11:02:23.644439 1239.1      :      -{ xcsIsEnvironment
11:02:23.644469 1239.1      :      xcsIsEnvironment[AMQ_NO_CS_RELOAD] = FALSE
11:02:23.644485 1239.1      :      -} xcsIsEnvironment rc=OK
11:02:23.644504 1239.1      :      -{ xcsLoadFunction
11:02:23.644519 1239.1      :      LibName(libmqmcs_r.so) LoadType(2097200)
11:02:23.644537 1239.1      :      General, comms, CS, OAM, or WAS
11:02:23.644558 1239.1      :      --{ xcsQueryValueForSubpool
11:02:23.644579 1239.1      :      --{ xcsQueryValueForSubpool rc=OK
11:02:23.644641 1239.1      :      FullPathLibName(/opt/mqm/lib/
libmqmcs_r.so) loaded with dlopen
11:02:23.644652 1239.1      :      --{ xcsGetMem
11:02:23.644675 1239.1      :      component:24 function:176 length:8212
options:0 cbminindex:-1 *pointer:0x8065908
11:02:23.644685 1239.1      :      --{ xcsGetMem rc=OK
11:02:23.644722 1239.1      :      Handle((nil)) Function((nil))
FullPathLibName(/opt/mqm/lib/libmqmcs_r.so)
11:02:23.644732 1239.1      :      -} xcsLoadFunction rc=OK
11:02:23.644753 1239.1      :      SystemPageSize is 4096.

```

Figure 4. Sample WebSphere MQ for Linux trace

Figure 5 on page 218 shows an extract from a WebSphere MQ for AIX trace:

Timestamp	Process.Thread	Trace Ident	Trace Data
12:06:32.904335	622742.1	:	Header.v02:7.0:AIX 5.3:64:-1:1:GMT
12:06:32.904427	622742.1	:	Version : 7.0.0.0 Level : p000-L090514
12:06:32.904540	622742.1	:	UTC Date : 05/15/09 Time :
11:06:32.904302			
12:06:32.904594	622742.1	:	Local Date : 05/15/09 Time :
12:06:32.904302	GMT		
12:06:32.904697	622742.1	:	PID : 622742 Process : dltmqm_nd (64-bit)
12:06:32.904728	622742.1	:	Host : dynamo
12:06:32.904755	622742.1	:	Operating System : AIX 5.3
12:06:32.904781	622742.1	:	Product Long Name : WebSphere MQ for AIX
12:06:32.904806	622742.1	:	-----
12:06:32.904832	622742.1	:	xtrNullFd: 3, xihTraceFileNum: 5
12:06:32.904916	622742.1	:	Data: 0x00000000
12:06:32.904952	622742.1	:	Thread stack
12:06:32.904982	622742.1	:	-> InitProcessInitialisation
12:06:32.905007	622742.1	:	{ InitProcessInitialisation
12:06:32.905033	622742.1	:	-{ xcsIsEnvironment
12:06:32.905062	622742.1	:	xcsIsEnvironment[AMQ_NO_CS_RELOAD] = FALSE
12:06:32.905088	622742.1	:	-} xcsIsEnvironment rc=OK
12:06:32.905117	622742.1	:	-{ xcsLoadFunction
12:06:32.905145	622742.1	:	LibName(libmqmcs_r.a(shr.o))
LoadType(2097200)			
12:06:32.905178	622742.1	:	General, comms, CS, OAM, or WAS
12:06:32.905204	622742.1	:	--{ xcsQueryValueForSubpool
12:06:32.905282	622742.1	:	--} xcsQueryValueForSubpool rc=OK
12:06:32.905504	622742.1	:	FullPathLibName(/usr/mqm/lib64/
libmqmcs_r.a(shr.o)) loaded with load			
12:06:32.905540	622742.1	:	--{ xcsGetMem
12:06:32.905575	622742.1	:	component:24 function:176 length:2088
options:0 cbmindex:-1 *pointer:110011408			
12:06:32.905601	622742.1	:	--} xcsGetMem rc=OK
12:06:32.905638	622742.1	:	Handle(0) Function(0)
FullPathLibName(/usr/mqm/lib64/libmqmcs_r.a(shr.o))			
12:06:32.905665	622742.1	:	-} xcsLoadFunction rc=OK

Figure 5. Sample WebSphere MQ for AIX trace

Examples of trace output

Use this topic as an example of how to interpret trace output.

Figure 6 on page 219 shows an example of a trace taken on entry to an MQPUT1 call. The following items have been produced:

- Queue request parameter list
- Object descriptor (MQOD)
- Message descriptor (MQMD)
- Put message options (MQPMO)
- The first 256 bytes of message data

Compare this to Figure 7 on page 220, which illustrates the same control blocks on exit from WebSphere MQ.

```

USRD9 5E9 ASCB 00F87E80          JOBN ECIC330
CSQW072I ENTRY: MQ user parameter trace
PUTONE
  Thread... 004C2B10  Userid... CICSUSER  pObjDesc. 106B2010
  pMsgDesc. 106B20B8  pPMO.... 106B2200
  BufferL... 00000064  pBuffer.. 106A0578  RSV1..... 00000000
  RSV2..... 00000000  RSV3..... 116BC830
  C9E8C1E8  C5C3C9C3  AA8E8583  76270484  | IYAYECIC..ec...d |
  D4D8E3E3  0000048C  00000000  00000000  | MQTT.....       |
  00000000  1910C7C2  C9C2D4C9  E8C14BC9  | .....GBIBMIYA.I |
  C7C3E2F2  F0F48E85  83762979  00010000  | GCS204.ec..`.... |

          GMT-01/30/05 14:42:08.412320  LOC-01/30/05 14:42:08.412320

USRD9 5E9 ASCB 00F87E80          JOBN ECIC330
CSQW072I ENTRY: MQ user parameter trace
+0000 D6C44040 00000001 00000000 C2404040 | OD .....B      |
+0010 40404040 40404040 40404040 40404040 |                  |
...
+00A0 00000000 00000000                | .....         |

          GMT-01/30/05 14:42:08.412345  LOC-01/30/05 14:42:08.412345

USRD9 5E9 ASCB 00F87E80          JOBN ECIC330
CSQW072I ENTRY: MQ user parameter trace
+0000 D4C44040 00000001 00000000 00000008 | MD .....       |
...
+0130 40404040 40404040 40404040 40404040 |                  |
+0140 40404040                |                  |

          GMT-01/30/05 14:42:08.412370  LOC-01/30/05 14:42:08.412370

USRD9 5E9 ASCB 00F87E80          JOBN ECIC330
CSQW072I ENTRY: MQ user parameter trace
+0000 D7D4D640 00000001 00000000 FFFFFFFF | PMO .....       |
...
+0070 40404040 40404040 40404040 40404040 |                  |

          GMT-01/30/05 14:42:08.412393  LOC-01/30/05 14:42:08.412393

USRD9 5E9 ASCB 00F87E80          JOBN ECIC330
CSQW072I ENTRY: MQ user parameter trace
+0000 C1C1C1C1 C1C1C1C1 C1404040 40404040 | AAAAAAAAAA      |
...
+0060 40404040                |                  |

          GMT-01/30/05 14:42:08.412625  LOC-01/30/05 14:42:08.412625

```

Figure 6. Example trace data from an entry trace of an MQPUT1 request

```

USRD9 5EA ASCB 00F87E80          JOBN ECIC330
CSQW073I EXIT: MQ user parameter trace
PUTONE
  Thread... 004C2B10  Userid... CICSUSER  pObjDesc. 106B2010
  pMsgDesc. 106B20B8  pPMO.... 106B2200
  BufferL.. 00000064  pBuffer.. 106A0578  RSV1..... 00000000
  RSV2..... 00000000  RSV3..... 116BC830
  CompCode. 00000002  Reason... 000007FB
  C9E8C1E8  C5C3C9C3  AA8E8583  76270484  | IYAYECIC..ec...d |
  D4D8E3E3  0000048C  00000000  00000000  | MQTT.....       |
  00000000  1910C7C2  C9C2D4C9  E8C14BC9  | .....GBIBMIYA.I |
  C7C3E2F2  F0F48E85  83762979  00010000  | GCS204.ec..`.... |
MQRC_OBJECT_TYPE_ERROR

          GMT-01/30/05 14:42:08.412678  LOC-01/30/05 14:42:08.412678

USRD9 5EA ASCB 00F87E80          JOBN ECIC330
CSQW073I EXIT: MQ user parameter trace
+0000 D6C44040 00000001 00000000 C2404040 | OD .....B |
...
+00A0 00000000 00000000 | ..... |

          GMT-01/30/05 14:42:08.412789  LOC-01/30/05 14:42:08.412789

USRD9 5EA ASCB 00F87E80          JOBN ECIC330
CSQW073I EXIT: MQ user parameter trace
+0000 D4C44040 00000001 00000000 00000008 | MD ..... |
...
+0140 40404040 | |

          GMT-01/30/05 14:42:08.412814  LOC-01/30/05 14:42:08.412814

USRD9 5EA ASCB 00F87E80          JOBN ECIC330
CSQW073I EXIT: MQ user parameter trace
+0000 D7D4D640 00000001 00000000 FFFFFFFF | PMO ..... |
...
+0070 40404040 40404040 40404040 40404040 | |

          GMT-01/30/05 14:42:08.412836  LOC-01/30/05 14:42:08.412836

USRD9 5EA ASCB 00F87E80          JOBN ECIC330
CSQW073I EXIT: MQ user parameter trace
+0000 C1C1C1C1 C1C1C1C1 C1404040 40404040 | AAAAAAAAAA |
...
+0060 40404040 | |

          GMT-01/30/05 14:42:08.412858  LOC-01/30/05 14:42:08.412858

```

Figure 7. Example trace data from an exit trace of an MQPUT1 request

Examples of CEDF output

Use this topic as a reference for example CEDF output from MQI calls.

This topic gives examples of the output produced by the CICS execution diagnostic facility (CEDF) when using WebSphere MQ. The examples show the data produced on entry to and exit from the following MQI calls, in both hexadecimal and character format. Other MQI calls produce similar data.

Example CEDF output for the MQOPEN call

The parameters for this call are:

Parameter	Description
ARG 000	Connection handle
ARG 001	Object descriptor
ARG 002	Options

Parameter	Description
ARG 003	Object handle
ARG 004	Completion code
ARG 005	Reason code

```

STATUS: ABOUT TO EXECUTE COMMAND
CALL TO RESOURCE MANAGER MQM
001: ARG 000 (X'000000000000000100000000200004044') AT X'05ECAFD8'
001: ARG 001 (X'D6C440400000000100000001C3C5C4C6') AT X'00144910'
001: ARG 002 (X'00000072000000000000000000000000') AT X'001445E8'
001: ARG 003 (X'00000000000000072000000000000000') AT X'001445E4'
001: ARG 004 (X'00000000000000000000000000000000') AT X'001445EC'
001: ARG 005 (X'00000000000000000000000000000000') AT X'001445F0'

```

Figure 8. Example CEDF output on entry to an MQOPEN call (hexadecimal)

```

STATUS: COMMAND EXECUTION COMPLETE
CALL TO RESOURCE MANAGER MQM
001: ARG 000 (X'000000000000000100000000200004044') AT X'05ECAFD8'
001: ARG 001 (X'D6C440400000000100000001C3C5C4C6') AT X'00144910'
001: ARG 002 (X'00000072000000000000000000000000') AT X'001445E8'
001: ARG 003 (X'00000001000000720000000000000000') AT X'001445E4'
001: ARG 004 (X'00000000000000000000000000000000') AT X'001445EC'
001: ARG 005 (X'00000000000000000000000000000000') AT X'001445F0'

```

Figure 9. Example CEDF output on exit from an MQOPEN call (hexadecimal)

```

STATUS: ABOUT TO EXECUTE COMMAND
CALL TO RESOURCE MANAGER MQM
001: ARG 000 ('.....')
001: ARG 001 ('OD .....CEDF')
001: ARG 002 ('.....')
001: ARG 003 ('.....')
001: ARG 004 ('.....')
001: ARG 005 ('.....')

```

Figure 10. Example CEDF output on entry to an MQOPEN call (character)

```

STATUS: COMMAND EXECUTION COMPLETE
CALL TO RESOURCE MANAGER MQM
001: ARG 000 ('.....')
001: ARG 001 ('OD .....CEDF')
001: ARG 002 ('.....')
001: ARG 003 ('.....')
001: ARG 004 ('.....')
001: ARG 005 ('.....')

```

Figure 11. Example CEDF output on exit from an MQOPEN call (character)

Example CEDF output for the MQCLOSE call

The parameters for this call are:

Parameter	Description
ARG 000	Connection handle
ARG 001	Object handle
ARG 002	Options
ARG 003	Completion code
ARG 004	Reason code

```

STATUS: ABOUT TO EXECUTE COMMAND
CALL TO RESOURCE MANAGER MQM
001: ARG 000 (X'000000000000000010000007200000000') AT X'001445E0'
001: ARG 001 (X'0000000100000072000000000000000') AT X'001445E4'
001: ARG 002 (X'000000000000000010000000200004044') AT X'05ECAFD8'
001: ARG 003 (X'000000000000000000000000800000008') AT X'001445EC'
001: ARG 004 (X'000000000000000080000000800000060') AT X'001445F0'

```

Figure 12. Example CEDF output on entry to an MQCLOSE call (hexadecimal)

```

STATUS: COMMAND EXECUTION COMPLETE
CALL TO RESOURCE MANAGER MQM
001: ARG 000 (X'00000000000000000000000007200000000') AT X'001445E0'
001: ARG 001 (X'000000000000000072000000000000000') AT X'001445E4'
001: ARG 002 (X'000000000000000010000000200004044') AT X'05ECAFD8'
001: ARG 003 (X'000000000000000000000000800000008') AT X'001445EC'
001: ARG 004 (X'000000000000000080000000800000060') AT X'001445F0'

```

Figure 13. Example CEDF output on exit from an MQCLOSE call (hexadecimal)

```

STATUS: ABOUT TO EXECUTE COMMAND
CALL TO RESOURCE MANAGER MQM
001: ARG 000 ('.....')
001: ARG 001 ('.....')
001: ARG 002 ('.....')
001: ARG 003 ('.....')
001: ARG 004 ('.....')

```

Figure 14. Example CEDF output on entry to an MQCLOSE call (character)

```

STATUS: COMMAND EXECUTION COMPLETE
CALL TO RESOURCE MANAGER MQM
001: ARG 000 ('.....')
001: ARG 001 ('.....')
001: ARG 002 ('.....')
001: ARG 003 ('.....')
001: ARG 004 ('.....')

```

Figure 15. Example CEDF output on exit from an MQCLOSE call (character)

Example CEDF output for the MQPUT call

The parameters for this call are:

Parameter	Description
ARG 000	Connection handle
ARG 001	Object handle
ARG 002	Message descriptor
ARG 003	Put message options
ARG 004	Buffer length
ARG 005	Message data
ARG 006	Completion code
ARG 007	Reason code

```

STATUS: ABOUT TO EXECUTE COMMAND
CALL TO RESOURCE MANAGER MQM
001: ARG 000 (X'00000000000000010000007200000000') AT X'001445E0'
001: ARG 001 (X'00000001000000720000000000000000') AT X'001445E4'
001: ARG 002 (X'D4C44040000000010000000000000008') AT X'001449B8'
001: ARG 003 (X'D7D4D640000000010000002400000000') AT X'00144B48'
001: ARG 004 (X'000000080000000000000000000040000') AT X'001445F4'
001: ARG 005 (X'5C5CC8C5D3D640E6D6D9D3C45C5C5C') AT X'00144BF8'
001: ARG 006 (X'00000000000000000000000080000000') AT X'001445EC'
001: ARG 007 (X'00000000000000080000000000000000') AT X'001445F0'

```

Figure 16. Example CEDF output on entry to an MQPUT call (hexadecimal)

```

STATUS: COMMAND EXECUTION COMPLETE
CALL TO RESOURCE MANAGER MQM
001: ARG 000 (X'00000000000000010000007200000000') AT X'001445E0'
001: ARG 001 (X'00000001000000720000000000000000') AT X'001445E4'
001: ARG 002 (X'D4C44040000000010000000000000008') AT X'001449B8'
001: ARG 003 (X'D7D4D640000000010000002400000000') AT X'00144B48'
001: ARG 004 (X'000000080000000000000000000040000') AT X'001445F4'
001: ARG 005 (X'5C5CC8C5D3D640E6D6D9D3C45C5C5C') AT X'00144BF8'
001: ARG 006 (X'00000000000000000000000080000000') AT X'001445EC'
001: ARG 007 (X'00000000000000080000000000000000') AT X'001445F0'

```

Figure 17. Example CEDF output on exit from an MQPUT call (hexadecimal)

```

STATUS: ABOUT TO EXECUTE COMMAND
CALL TO RESOURCE MANAGER MQM
001: ARG 000 ('.....')
001: ARG 001 ('.....')
001: ARG 002 ('MD .....')
001: ARG 003 ('PMO .....')
001: ARG 004 ('.....')
001: ARG 005 ('**HELLO WORLD**')
001: ARG 006 ('.....')
001: ARG 007 ('.....')

```

Figure 18. Example CEDF output on entry to an MQPUT call (character)

Parameter	Description
ARG 008	Reason code

```

STATUS: ABOUT TO EXECUTE COMMAND
CALL TO RESOURCE MANAGER MQM
001: ARG 000 (X'000000000000000010000007200000000') AT X'001445E0'
001: ARG 001 (X'0000000100000072000000000000000') AT X'001445E4'
001: ARG 002 (X'D4C4404000000001000000000000000') AT X'001449B8'
001: ARG 003 (X'C7D4D6400000000100004044FFFFFFFF') AT X'00144B00'
001: ARG 004 (X'000000800000000000000000000040000') AT X'001445F4'
001: ARG 005 (X'000000000000000000000000000000000') AT X'00144C00'
001: ARG 006 (X'000000000000000000004000000000000') AT X'001445F8'
001: ARG 007 (X'0000000000000000000000800000000') AT X'001445EC'
001: ARG 008 (X'0000000000000080000000000000000') AT X'001445F0'

```

Figure 24. Example CEDF output on entry to an MQGET call (hexadecimal)

```

STATUS: COMMAND EXECUTION COMPLETE
CALL TO RESOURCE MANAGER MQM
001: ARG 000 (X'000000000000000010000007200000000') AT X'001445E0'
001: ARG 001 (X'0000000100000072000000000000000') AT X'001445E4'
001: ARG 002 (X'D4C4404000000001000000000000008') AT X'001449B8'
001: ARG 003 (X'C7D4D6400000000100004044FFFFFFFF') AT X'00144B00'
001: ARG 004 (X'000000800000000800000000000040000') AT X'001445F4'
001: ARG 005 (X'5C5CC8C5D3D3D640E6D6D9D3C45C5C5C') AT X'00144C00'
001: ARG 006 (X'0000008000000000004000000000000') AT X'001445F8'
001: ARG 007 (X'0000000000000000000000800000008') AT X'001445EC'
001: ARG 008 (X'0000000000000080000000800000000') AT X'001445F0'

```

Figure 25. Example CEDF output on exit from an MQGET call (hexadecimal)

```

STATUS: ABOUT TO EXECUTE COMMAND
CALL TO RESOURCE MANAGER MQM
001: ARG 000 ('.....')
001: ARG 001 ('.....')
001: ARG 002 ('MD .....')
001: ARG 003 ('GMO .....')
001: ARG 004 ('.....')
001: ARG 005 ('.....')
001: ARG 006 ('.....')
001: ARG 007 ('.....')
001: ARG 008 ('.....')

```

Figure 26. Example CEDF output on entry to an MQGET call (character)

```

STATUS:  COMMAND EXECUTION COMPLETE
CALL TO RESOURCE MANAGER MQM
001: ARG 000 ('.....')
001: ARG 001 ('.....')
001: ARG 002 ('MD .....')
001: ARG 003 ('GMO .....')
001: ARG 004 ('.....')
001: ARG 005 ('**HELLO WORLD**')
001: ARG 006 ('.....')
001: ARG 007 ('.....')
001: ARG 008 ('.....')

```

Figure 27. Example CEDF output on exit from an MQGET call (character)

Example CEDF output for the MQINQ call

The parameters for this call are:

Parameter	Description
ARG 000	Connection handle
ARG 001	Object handle
ARG 002	Count of selectors
ARG 003	Array of attribute selectors
ARG 004	Count of integer attributes
ARG 005	Integer attributes
ARG 006	Length of character attributes buffer
ARG 007	Character attributes
ARG 008	Completion code
ARG 009	Reason code

```

STATUS:  ABOUT TO EXECUTE COMMAND
CALL TO RESOURCE MANAGER MQM
001: ARG 000 (X'000000000000000010000000200004044') AT X'05ECAFC'
001: ARG 001 (X'00000001000000720000000000000000') AT X'001445E4'
001: ARG 002 (X'000000020000404485ECA00885ECA220') AT X'05ECAFD4'
001: ARG 003 (X'0000000D0000000C0000000000000000') AT X'00144C08'
001: ARG 004 (X'000000020000404485ECA00885ECA220') AT X'05ECAFD4'
001: ARG 005 (X'00000000000000000000000000000000') AT X'00144C10'
001: ARG 006 (X'00000000000000010000000200004044') AT X'05ECAFC'
001: ARG 007 (X'00000000000000000000000000000000') AT X'00144C18'
001: ARG 008 (X'00000000000000000000000080000008') AT X'001445EC'
001: ARG 009 (X'00000000000000008000000080004000') AT X'001445F0'

```

Figure 28. Example CEDF output on entry to an MQINQ call (hexadecimal)

```

STATUS:  COMMAND EXECUTION COMPLETE
CALL TO RESOURCE MANAGER MQM
001: ARG 000 (X'00000000000000010000000200004044')      AT X'05ECAFCF'
001: ARG 001 (X'000000010000007200000000000000')      AT X'001445E4'
001: ARG 002 (X'000000020000404485ECA00885ECA220')      AT X'05ECAFD4'
001: ARG 003 (X'0000000D0000000C00400000000000')      AT X'00144C08'
001: ARG 004 (X'000000020000404485ECA00885ECA220')      AT X'05ECAFD4'
001: ARG 005 (X'004000000000000000000000000000')      AT X'00144C10'
001: ARG 006 (X'00000000000000010000000200004044')      AT X'05ECAFCF'
001: ARG 007 (X'000000000000000000000000000000')      AT X'00144C18'
001: ARG 008 (X'00000000000000000000000800000008')      AT X'001445EC'
001: ARG 009 (X'00000000000000080000000800040000')      AT X'001445F0'

```

Figure 29. Example CEDF output on exit from an MQINQ call (hexadecimal)

```

STATUS:  ABOUT TO EXECUTE COMMAND
CALL TO RESOURCE MANAGER MQM
001: ARG 000 ('.....')
001: ARG 001 ('.....')
001: ARG 002 ('.....e..s.')
001: ARG 003 ('.....')
001: ARG 004 ('.....e..s.')
001: ARG 005 ('.....')
001: ARG 006 ('.....')
001: ARG 007 ('.....')
001: ARG 008 ('.....')
001: ARG 009 ('.....')

```

Figure 30. Example CEDF output on entry to an MQINQ call (character)

```

STATUS:  COMMAND EXECUTION COMPLETE
CALL TO RESOURCE MANAGER MQM
001: ARG 000 ('.....')
001: ARG 001 ('.....')
001: ARG 002 ('.....e..s.')
001: ARG 003 ('.....')
001: ARG 004 ('.....e..s.')
001: ARG 005 ('.....')
001: ARG 006 ('.....')
001: ARG 007 ('.....')
001: ARG 008 ('.....')
001: ARG 009 ('.....')

```

Figure 31. Example CEDF output on exit from an MQINQ call (character)

Example CEDF output for the MQSET call

The parameters for this call are:

Parameter	Description
ARG 000	Connection handle
ARG 001	Object handle
ARG 002	Count of selectors
ARG 003	Array of attribute selectors
ARG 004	Count of integer attributes

Parameter	Description
ARG 005	Integer attributes
ARG 006	Length of character attributes buffer
ARG 007	Character attributes
ARG 008	Completion code
ARG 009	Reason code

```

STATUS: ABOUT TO EXECUTE COMMAND
CALL TO RESOURCE MANAGER MQM
001: ARG 000 (X'00000000000000010000007200000000') AT X'001445E0'
001: ARG 001 (X'000000010000007200000000000000') AT X'001445E4'
001: ARG 002 (X'00000001000000020000404485ECA008') AT X'05ECAFD8'
001: ARG 003 (X'000000180000007DF000000000000000') AT X'00144C08'
001: ARG 004 (X'00000001000000020000404485ECA008') AT X'05ECAFD8'
001: ARG 005 (X'000000000000000000000000000000') AT X'00144C10'
001: ARG 006 (X'0000000000000001000000200004044') AT X'05ECAFD8'
001: ARG 007 (X'000000000000000000000000000000') AT X'00144C18'
001: ARG 008 (X'00000000000000000000000080000008') AT X'001445EC'
001: ARG 009 (X'00000000000000008000000080000060') AT X'001445F0'

```

Figure 32. Example CEDF output on entry to an MQSET call (hexadecimal)

```

STATUS: COMMAND EXECUTION COMPLETE
CALL TO RESOURCE MANAGER MQM
001: ARG 000 (X'00000000000000010000007200000000') AT X'001445E0'
001: ARG 001 (X'000000010000007200000000000000') AT X'001445E4'
001: ARG 002 (X'00000001000000020000404485ECA008') AT X'05ECAFD8'
001: ARG 003 (X'000000180000007DF000000000000000') AT X'00144C08'
001: ARG 004 (X'00000001000000020000404485ECA008') AT X'05ECAFD8'
001: ARG 005 (X'000000000000000000000000000000') AT X'00144C10'
001: ARG 006 (X'0000000000000001000000200004044') AT X'05ECAFD8'
001: ARG 007 (X'000000000000000000000000000000') AT X'00144C18'
001: ARG 008 (X'00000000000000000000000080000008') AT X'001445EC'
001: ARG 009 (X'00000000000000008000000080000060') AT X'001445F0'

```

Figure 33. Example CEDF output on exit from an MQSET call (hexadecimal)

```

STATUS: ABOUT TO EXECUTE COMMAND
CALL TO RESOURCE MANAGER MQM
001: ARG 000 ('.....')
001: ARG 001 ('.....')
001: ARG 002 ('.....e..')
001: ARG 003 ('.....')
001: ARG 004 ('.....e..')
001: ARG 005 ('.....')
001: ARG 006 ('.....')
001: ARG 007 ('.....')
001: ARG 008 ('.....')
001: ARG 009 ('.....')

```

Figure 34. Example CEDF output on entry to an MQSET call (character)

```

STATUS:  COMMAND EXECUTION COMPLETE
CALL TO RESOURCE MANAGER MQM
001: ARG 000 ('.....')
001: ARG 001 ('.....')
001: ARG 002 ('.....e..')
001: ARG 003 ('.....')
001: ARG 004 ('.....e..')
001: ARG 005 ('.....')
001: ARG 006 ('.....')
001: ARG 007 ('.....')
001: ARG 008 ('.....')
001: ARG 009 ('.....-')

```

Figure 35. Example CEDF output on exit from an MQSET call (character)

Messages

You can use the following messages to help you solve problems with your WebSphere MQ components or applications.

Diagnostic messages: AMQ4000-9999

Diagnostic messages are listed in this section in numeric order, grouped according to the part of WebSphere MQ from which they originate.

- [AMQ4000-4999: User interface messages \(WebSphere MQ for Windows and Linux systems\)](#)
- [AMQ5000-5999: Installable services](#)
- [AMQ6000-6999: Common services](#)
- [AMQ7000-7999: WebSphere MQ](#)
- [AMQ8000-8999: Administration](#)
- [AMQ9000-9999: Remote](#)

Reading a message

For each message, this information is provided:

- The message identifier, in two parts:
 1. The characters "AMQ" which identify the message as being from WebSphere MQ
 2. A four-digit decimal code

If a message is specific to a single platform, this is indicated after the message identifier. Although some messages are listed several times, each instance relates to a different platform. If present, the version common to a number of platforms is listed first, followed by versions for individual platforms. Ensure that you read the appropriate version.

- The text of the message.
- The severity of the message:
 - 0: Information
 - 10: Warning
 - 20: Error
 - 30: Severe error
 - 40: Stop Error
 - 50: System Error
- An explanation of the message giving further information.
- The response required from the user. In some cases, particularly for information messages, this might be "none".

Message variables

Some messages display text or numbers that vary according to the circumstances giving rise to the message; these are known as *message variables*. The message variables are indicated as <insert_1>, <insert_2>, and so on.

In some cases a message might have variables in the Explanation or Response. Find the values of the message variables by looking in the error log. The complete message, including the Explanation and the Response, is recorded there.

Related concepts

[API completion and reason codes](#)

[PCF reason codes](#)

[Secure Sockets Layer \(SSL\) return codes](#)

[WCF custom channel exceptions](#)

AMQ4000-4999: User interface messages (WebSphere MQ for Windows and Linux systems)

AMQ4000

New object not created because the default object for the object type could not be found.

Severity

10: Warning

Explanation

The creation of an object requires a default template for each object type. The required default template for this object type could not be found.

Response

Determine why the default object is unavailable, or create a new one. Then try the request again.

AMQ4001

The queue manager specified has already been added to WebSphere MQ Explorer.

Severity

0: Information

Response

Message for information only. If the queue manager is not displayed in the Navigator view ensure that the queue manager is not hidden.

AMQ4002

Are you sure that you want to delete the object named <insert_0>?

Severity

10: Warning

Explanation

A confirmation is required before the specified object is deleted. The type of object and name are provided in the message.

Response

Continue only if you want to permanently delete the object.

AMQ4003

WebSphere MQ system objects are used internally by WebSphere MQ. You are advised not to delete them. Do you want to keep the WebSphere MQ system object?

Severity

0: Information

Explanation

A confirmation is required before an internal WebSphere MQ system object (for example SYSTEM.DEFAULT.LOCAL.QUEUE) is deleted.

Response

Continue only if you want to permanently delete the system object.

AMQ4004

Clear all messages from the queue?

Severity

10: Warning

Explanation

The removal of the messages from the queue is an irreversible action. If the command is allowed to proceed the action cannot be undone.

Response

Continue only if you want to permanently delete the messages.

AMQ4005

The object has been replaced or deleted. The properties could not be applied.

Severity

10: Warning

Explanation

During the process of updating the properties of the object, it was determined that the object has either been deleted or replaced by another instance. The properties have not been applied.

AMQ4006

WebSphere MQ successfully sent data to the remote queue manager and received the data returned.

Severity

0: Information

Explanation

An open channel has been successfully verified by WebSphere MQ as the result of a user request.

Response

Message for information only.

AMQ4007

The message sequence number for the channel was reset.

Severity

0: Information

Explanation

A channel has had its sequence number successfully reset by WebSphere MQ as the result of a user request.

Response

Message for information only.

AMQ4008

The request to start the channel was accepted.

Severity

0: Information

Explanation

A channel has been started successfully by WebSphere MQ as the result of a user request.

Response

Message for information only.

AMQ4009

The request to stop the channel was accepted.

Severity

0: Information

Explanation

A channel has been stopped successfully by WebSphere MQ as the result of a user request.

Response

Message for information only.

AMQ4010

The 'in-doubt' state was resolved.

Severity

0: Information

Explanation

A channel has had its 'in-doubt' state resolved successfully by WebSphere MQ as the result of a user request.

Response

Message for information only

AMQ4011

The queue has been cleared of messages.

Severity

0: Information

Explanation

The CLEAR command has completed successfully and has removed all messages from the target queue. If the CLEAR was performed using the MQGET API command, uncommitted messages might still be on the queue.

AMQ4012

The object was created successfully but it is not visible with the current settings for visible objects.

Severity

0: Information

Response

Message for information only.

AMQ4014

The character *<insert_0>* is not valid.

Severity

10: Warning

AMQ4015

Supply a non-blank name.

Severity

0: Information

Response

Enter a valid name.

AMQ4016

The test message was put successfully.

Severity

0: Information

Explanation

The request to place a message on the target queue has completed successfully. The queue now contains the message.

Response

Message for information only.

AMQ4019

An object called *<insert_0>* exists. Do you want to replace the definition of the existing object?

Severity

0: Information

Response

Confirm that you want to replace the definition.

AMQ4020

The changes you are making to the attributes of page <insert_0> will affect the operation of the queue manager or another program currently using the object. Do you want to force the change to the object's attributes?

Severity

10: Warning

Explanation

You are trying to change an object that cannot be changed because it is in use, or the change affects other programs or queue managers. Some changes can be forced anyway.

Response

Select Yes to try forcing the changes, or No to abandon the change.

AMQ4021

Failed to access one or more WebSphere MQ objects.

Severity

10: Warning

Explanation

The icons of the objects have been marked to indicate the objects in error.

AMQ4022

The name specified for the initiation queue is the same as the name of the queue itself.

Severity

0: Information

Response

Specify a different name to that of the object being created or altered.

AMQ4023

The queue manager <insert_0> does not exist on this computer.

Severity

0: Information

Response

Message for information only.

AMQ4024

The object cannot be replaced.

Severity

0: Information

Explanation

The request to replace the object was unsuccessful.

Response

To define this object, delete the existing object and try the operation again.

AMQ4025

The changes made to the cluster attributes of the queue take effect once they have propagated across the network.

Severity

0: Information

Response

Refresh any views containing the cluster queues in the affected clusters to show the changes.

AMQ4026

You have created a queue which is shared in one or more clusters. The queue will be available as a cluster queue once its definition has propagated across the network.

Severity

0: Information

Response

Refresh any views containing the cluster queues in the affected clusters to show the cluster queue.

AMQ4027

An error occurred connecting to queue manager <insert_0>. Are you sure that you want to show this queue manager in the folder anyway?

Severity

10: Warning

Explanation

A connection could not be made to the specified remote queue manager.

Response

Ensure that the named queue manager is running on the host and port specified, and has a channel corresponding to the specified name. Ensure that you have the authority to connect to the remote queue manager, and ensure that the network is running. Select Yes if you believe that the problem can be resolved later. Select No if you want to correct the problem now and try again.

AMQ4028

Platform not supported. This queue manager cannot be administered by the WebSphere MQ Explorer because it is running on an unsupported platform. The value <insert_0> for the Platform attribute of the queue manager is not supported by the WebSphere MQ Explorer.

Severity

20: Error

AMQ4029

Command level too low. This queue manager cannot be administered by the WebSphere MQ Explorer.

Severity

20: Error

Response

If you want to administer this queue manager, you must upgrade it to a newer version of WebSphere MQ.

AMQ4030

Queue manager cannot be administered because code page conversion table not found.

Severity

20: Error

Explanation

This queue manager cannot be administered by the WebSphere MQ Explorer because a code page conversion table was not found.

Response

Install a code page conversion table from CCSID <insert_0> to CCSID <insert_1> on the computer on which the WebSphere MQ Explorer is running.

AMQ4031

Queue manager cannot be administered because CCSID not found.

Severity

20: Error

Explanation

This queue manager cannot be administered by the WebSphere MQ Explorer because CCSID <insert_0> cannot be found in the CCSID table. The WebSphere MQ Explorer cannot convert character data to or from the unrecognized CCSID.

AMQ4032

Command server not responding within timeout period.

Severity

10: Warning

Response

Ensure that the command server is running and that the queue called 'SYSTEM.ADMIN.COMMAND.QUEUE' is configured to enable programs to get messages from it.

AMQ4033

Cannot get messages from the queue.

Severity

0: Information

Explanation

A reason code returned when the object was opened for input indicated that the queue is disabled for MQGET request.

Response

To get messages from this queue, enable it for GET requests.

AMQ4034

Message too long. You tried to put a message on a queue that was bigger than the maximum allowed for the queue or queue manager.

Severity

10: Warning

Explanation

The request to put a message on a queue returned a reason code indicating that the data length of the message exceeds the maximum allowed in the definition of the queue.

Response

Either change the MAXMSGL attribute of the queue so that it is equal to or greater than the length of the message, or reduce the length of the message being put on the queue.

AMQ4035

No message available. The response message did not arrive within a reasonable amount of time.

Severity

0: Information

Explanation

The request to get a message from a queue returned a reason code indicating that there are currently no messages on the queue that meet the selection criteria specified on the GET request.

AMQ4036

Access not permitted. You are not authorized to perform this operation.

Severity

10: Warning

Explanation

The security mechanism of the queue manager has indicated that the user ID associated with this request is not authorized to access the object.

AMQ4037

Object definition changed since it was opened.

Severity

0: Information

Explanation

Object definitions that affect this object have been changed since the Hobj handle used on this call was returned by the MQOPEN call.

Response

Issue an MQCLOSE call to return the handle to the system. It is then normally sufficient to reopen the object and try the operation again.

AMQ4038

Object damaged.

Severity

10: Warning

Explanation

The object is damaged and cannot be accessed.

Response

The object must be deleted. Alternatively, it might be possible to recover it from a media image or backup.

AMQ4039

Object in use. The object is already opened by another application.

Severity

10: Warning

Explanation

An MQOPEN call was issued, but the object in question has already been opened by this application or another application with options that conflict with those options specified in the Options parameter. This situation arises if the request is for shared input, but the object is already open for exclusive input. It also arises if the request is for exclusive input, but the object is already open for input (of any sort).

Response

To change the attributes of an object, specify the Force option as 'Yes' to apply the changes. If you specify the Force option as 'Yes', any applications using the object must close and reopen the object to proceed.

AMQ4040

Cannot put messages on this queue.

Severity

0: Information

Explanation

MQPUT and MQPUT1 calls are currently inhibited for the queue, or for the queue to which this queue resolves.

AMQ4042

Queue full. The queue contains the maximum number of messages.

Severity

10: Warning

Explanation

On an MQPUT or MQPUT1 call, the call failed because the queue is full; that is, it already contains the maximum number of messages possible.

AMQ4043

Queue manager not available for connection.

Severity

20: Error

Response

Ensure that the queue manager is running. If the queue manager is running on another computer, ensure that it is configured to accept remote connections.

AMQ4044

Queue manager <insert_0> is stopping.

Severity

0: Information

Explanation

An MQI call was issued, but the call failed because the queue manager is shutting down. If the call was an MQGET call with the MQGMO_WAIT option, the wait has been canceled.

Response

You cannot issue any more MQI calls.

AMQ4045

Queue not empty. The queue contains one or more messages or uncommitted PUT or GET requests.

Severity

0: Information

Explanation

An operation that requires the queue to be empty has failed because the queue either contains messages or has uncommitted PUT or GET requests outstanding.

AMQ4046

Insufficient system resources available.

Severity

20: Error

AMQ4047

Insufficient storage available.

Severity

20: Error

AMQ4048

The request received an unexpected reason code from an underlying API or command request. The reason code was *<insert_0>*.

Severity

20: Error

Explanation

While running the requested operation, an unexpected return code was received, resulting in the operation not completing as expected.

Response

Use the reason code to determine the underlying reason for the failure.

AMQ4049

Unknown object name.

Severity

10: Warning

Explanation

A command or API request was issued, but the object cannot be found.

AMQ4050

Allocation failed. An attempt to allocate a conversation to a remote system failed.

Severity

10: Warning

Explanation

The error might be due to an incorrect entry in the channel definition or it might be that the listening program on the remote system was not running.

AMQ4051

Bind failed. The bind to a remote system during session negotiation failed.

Severity

10: Warning

AMQ4052

Coded character-set ID error. Cannot convert a command message to the CCSID of the target queue manager.

Severity

10: Warning

AMQ4053

Channel in doubt. Operation not completed.

Severity

10: Warning

Explanation

The operation could not be completed because the channel was in doubt.

AMQ4054

Channel in use.

Severity

10: Warning

Explanation

An attempt was made to perform an operation on a channel, but the channel is currently active.

AMQ4055

Channel status not found.

Severity

10: Warning

Explanation

No channel status is available for this channel, possibly indicating that the channel has not been used.

AMQ4056

Command failed.

Severity

10: Warning

AMQ4057

Configuration error in the channel definition or communication subsystem.

Severity

10: Warning

Explanation

Allocation of a conversation is not possible.

AMQ4058

Connection closed.

Severity

10: Warning

Explanation

The connection to a remote system has unexpectedly broken while receiving data.

AMQ4059

Could not establish a connection to the queue manager.

Severity

10: Warning

Explanation

The attempt to connect to the queue manager failed. This failure might be because the queue manager is incorrectly configured to allow a connection from this system, or the connection has been broken.

Response

Try the operation again. If the error persists, examine the problem determination information to see if any information has been recorded.

AMQ4060

Dynamic queue scope error.

Severity

10: Warning

Explanation

The Scope attribute of the queue was set to MQSCO_CELL but this value is not allowed for a dynamic queue.

AMQ4061

Remote system unavailable and unable to allocate a conversation to a remote system.

Severity

10: Warning

Response

The error might be transitory; try again later.

AMQ4062

An MQINQ call failed when the queue manager inquired about a WebSphere MQ object.

Severity

10: Warning

Response

Check the error log of the queue manager for more information about the error.

AMQ4063

An MQOPEN call failed when the queue manager tried to open a WebSphere MQ object.

Severity

20: Error

Response

If the error occurred while starting a channel check that the transmission queue used by the channel exists and try the operation again. If the error persists check the error log of the queue manager for more information about the error.

AMQ4064

An MQSET call failed when the queue manager tried to set the values of the attributes of a WebSphere MQ object.

Severity

10: Warning

Response

Check the error log of the queue manager for more information about the error.

AMQ4065

Message sequence number error.

Severity

10: Warning

Explanation

The message sequence number parameter was not valid.

AMQ4066

Message truncated because it is larger than the command server's maximum valid message size.

Severity

10: Warning

AMQ4067

Communications manager not available.

Severity

20: Error

Explanation

The communications subsystem is unavailable.

AMQ4068

The queue specified in the channel definition is not a transmission queue, or is in use.

Severity

10: Warning

AMQ4069

Object already exists.

Severity

10: Warning

Explanation

Unable to create object because the object already existed.

AMQ4070

Object is open.

Severity

10: Warning

Explanation

An attempt was made to delete, change, or clear an object that is in use.

Response

Wait until the object is not in use, then try again.

AMQ4071

Object has wrong type. Could not replace a queue object of a different type.

Severity

10: Warning

AMQ4072

Queue already exists in cell.

Severity

10: Warning

Explanation

cannot define a queue with cell scope or change the scope of an existing queue from queue-manager scope to cell scope, because a queue with that name already exists in the cell.

AMQ4073

Ping error. You can only ping a sender or server channel. If the local channel is a receiver channel, ping from the remote queue manager.

Severity

10: Warning

AMQ4074

Receive failed, possibly due to a communications failure.

Severity

10: Warning

AMQ4075

Error while receiving data from a remote system, possibly due to a communications failure.

Severity

10: Warning

AMQ4076

Remote queue manager terminating.

Severity

10: Warning

Explanation

The channel stopped because the remote queue manager was terminating.

AMQ4077

Remote queue manager not available.

Severity

10: Warning

Explanation

The channel could not be started because the remote queue manager was not available.

Response

Ensure that the remote queue manager is started, and that it is configured to accept incoming communication requests.

AMQ4078

Send failed. An error occurred while sending data to a remote system, possibly due to a communications failure.

Severity

10: Warning

AMQ4079

Channel closed by security exit.

Severity

10: Warning

AMQ4080

Remote channel not known.

Severity

10: Warning

Explanation

There is no definition of this channel on the remote system.

AMQ4081

User exit not available.

Severity

10: Warning

Explanation

The channel was closed because the user exit specified does not exist.

AMQ4082

Unexpected WebSphere MQ error (<insert_0>).

Severity

20: Error

AMQ4083

Queue manager name not known.

Severity

10: Warning

Explanation

If the queue manager is remote, this might indicate that another queue manager is incorrectly using the same connection name. Queue managers using TCP/IP on the same computer must listen on different port numbers. This means that they will also have different connection names.

AMQ4084

Cell directory is not available.

Severity

10: Warning

Explanation

The Scope attribute of the queue was set to MQSCO_CELL but no name service supporting a cell directory has been configured.

Response

Configure a name service to support the cell directory.

AMQ4085

No name supplied for transmission queue.

Severity

10: Warning

Response

Supply a non-blank transmission queue name for this channel type.

AMQ4086

No connection name supplied.

Severity

10: Warning

Response

Supply a non-blank connection name for this channel type.

AMQ4087

An error occurred while trying to use a cluster resource.

Severity

10: Warning

Response

Check that the queues with names that start with 'SYSTEM.CLUSTER.' are not full and that messages are allowed to be put on them.

AMQ4088

Cannot share transmission queue in cluster.

Severity

10: Warning

Explanation

The queue is a transmission queue and cannot be shared in a cluster.

AMQ4089

PUT commands inhibited for system command queue called *<insert_0>*.

Severity

10: Warning

AMQ4090

Are you sure that you want to inhibit PUT and GET commands for the queue called 'SYSTEM.ADMIN.COMMAND.QUEUE'? If you do, you will no longer be able to administer the queue manager using the WebSphere MQ Explorer.

Severity

10: Warning

Explanation

WebSphere MQ Explorer uses the queue called 'SYSTEM.ADMIN.COMMAND.QUEUE' to administer the queue manager.

Response

Continue only if you really want to inhibit PUT or GET commands for this queue and stop using the WebSphere MQ Explorer to administer the queue manager.

AMQ4091

Cannot connect to remote queue manager.

Severity

10: Warning

Explanation

The remote queue manager is using an unsupported protocol for connections. The WebSphere MQ Explorer only supports connections to remote queue managers using the TCP/IP protocol.

AMQ4092

The queue manager could not be removed from the cluster because its membership of the cluster is defined using namelist *<insert_0>*.

Severity

10: Warning

Response

To remove the queue manager from the cluster, remove it from the namelist. Ensure that you do not inadvertently affect the definitions of other objects using the namelist.

AMQ4093

The cluster specified is already shown in the console.

Severity

0: Information

AMQ4094

An error occurred adding this cluster to the console. Are you sure that you want to show this cluster in the console anyway?

Severity

10: Warning

Response

Select Yes if you believe that the problem can be resolved later. Select No if you want to correct the problem now and try again.

AMQ4095

Queue manager *<insert_0>* is not a repository queue manager for cluster *<insert_1>*.

Severity

0: Information

Explanation

To administer a cluster, the WebSphere MQ Explorer needs a connection to the repository queue manager.

AMQ4096

Are you sure that you want to clear the password?

Severity

0: Information

Response

Check with the user before clearing the password. Continue only if you really want to clear the password.

AMQ4097

Unmatched quotation mark.

Severity

10: Warning

Explanation

An unmatched quotation mark has been found in a list of attributes. Each value in the list can be enclosed in a pair of single or double quotation marks. (Only required for values which contain spaces, commas, or quotation marks.)

Response

Check that all opening and closing quotation marks are in pairs. (To include a quotation mark within an attribute, use two together with no space between.)

AMQ4098

Incorrect list format.

Severity

10: Warning

Explanation

The attribute can contain a list of values which must be separated by a space or a comma. Each value in the list can be enclosed in a pair of single or double quotation marks. (Only required for values which contain spaces, commas, or quotation marks.)

Response

Check that values are separated by a space or a comma, and that all opening and closing quotation marks are in pairs. (To include a quotation mark within an attribute, use two together with no space between.)

AMQ4099

Cannot communicate with one or more repository queue managers. Cluster <insert_0> is configured to use one or more repository queue managers which communicate using a protocol other than TCP/IP.

Severity

10: Warning

Explanation

The WebSphere MQ Explorer can only establish connections to remote queue managers using TCP/IP.

Response

To complete removal of the queue manager from the cluster, issue the RESET CLUSTER ACTION(FORCEREMOVE) command from the repository queue manager.

AMQ4103

An error occurred connecting to the queue manager. Are you sure that you want to show this queue manager in the folder?

Severity

10: Warning

Explanation

A connection could not be made to the specified remote queue manager.

Response

Ensure that the named queue manager is running on the machine specified in the selected channel definition table. Ensure that you have the authority to connect to the remote queue manager, and ensure that the network is operational. Select Yes if you believe that the problem can be resolved later. Select No if you want to correct the problem now and try again.

AMQ4104

The specified file <insert_0> does not contain a client definition table in the correct format.

Severity

10: Warning

Explanation

The channel definition table is not in the correct format.

Response

Specify a file in the correct format.

AMQ4105

The remote queue manager has not been removed because it is still required by other plug-ins.

Severity

10: Warning

Explanation

Other plug-ins have responded to the attempted removal of this queue manager by indicating that they are still using it.

Response

Ensure that the other plug-ins have finished using the queue manager before trying to delete it again.

AMQ4117

This action cannot be undone. Are you sure that you want to delete the WebSphere MQ queue manager <insert_0> from your system?

Severity

10: Warning

Explanation

A confirmation is required before the queue manager is deleted.

Response

Continue only if you want to permanently delete the queue manager.

AMQ4121

The MQGET request received an unexpected reason code of *<insert_0>*.

Severity

10: Warning

Explanation

An unexpected reason code was returned from an MQGET API request. Use the reason code to determine the underlying reason why the request failed.

Response

The MQGET request was not successful. Some messages might not have been retrieved.

AMQ4122

The MQPUT request received an unexpected reason code of *<insert_0>*.

Severity

10: Warning

Explanation

An unexpected reason code was returned from an MQPUT API request. Use the reason code to determine the underlying reason why the request failed.

Response

MQPUT processing was unsuccessful. No message was placed on the queue.

AMQ4123

The object *<insert_0>* was deleted successfully.

Severity

0: Information

Explanation

The object of the specified name has been successfully deleted.

Response

none.

AMQ4124

The MQOPEN request received an unexpected reason code of *<insert_0>*.

Severity

10: Warning

Explanation

An unexpected reason code was returned from an MQOPEN API request. The queue has not been opened.

Response

Use the reason code to determine the underlying reason for the failure.

AMQ4125

Putting a test message on the queue received an unexpected reason code *<insert_0>*.

Severity

10: Warning

Explanation

One of the underlying API requests was unsuccessful. The test message was not placed on the queue.

AMQ4126

The value of one of the properties specified is not valid. The request was not processed.

Severity

20: Error

Response

Specify a different value.

AMQ4127

WebSphere MQ failed to read queue manager information from disk because the file format is not valid. The request was not processed.

Severity

20: Error

Explanation

The format of the WebSphere MQ_Handles file is incorrect. This file has been backed up and removed, meaning that any remote queue manager definitions are lost. All local queue managers should be detected automatically and displayed in the WebSphere MQ Explorer.

Response

Ensure that the Eclipse workspace has not been corrupted.

AMQ4128

Could not start the iKeyMan program.

Severity

30: Severe error

Explanation

An error was encountered when trying to execute the iKeyMan program.

Response

Try again. If symptoms persist contact your System Administrator.

AMQ4129

Could not query the user ID from Java.

Severity

10: Warning

Explanation

The Java API System.getProperty("user.id") threw a SecurityException.

Response

Configure your Java security environment using the 'policytool' to allow WebSphere MQ Explorer to query the 'user.id'.

AMQ4130

A Browser Control could not be opened. Make sure Mozilla has been installed.

Severity

10: Warning

Explanation

The SWT Browser control depends on Mozilla being installed.

Response

Ensure that the Mozilla browser is correctly installed.

AMQ4131

A Browser Control could not be opened.

Severity

10: Warning

Explanation

The SWT Browser control depends on the system browser being installed.

Response

Ensure that the system browser is correctly installed.

AMQ4132

Are you sure that you want to stop the object named <insert_0>?

Severity

10: Warning

Explanation

A confirmation is required before the specified object is stopped. The type of object and name are provided in the message.

Response

Continue only if you want to stop the object.

AMQ4133

When a queue manager is removed, WebSphere MQ Explorer destroys the connection information for that queue manager.

To see the queue manager at a later date use the Add Queue Manager wizard.

Remove the queue manager *<insert_0>* ?

Severity

10: Warning

Response

Continue only if you want to remove the queue manager.

AMQ4134

The default channel used by remote queue managers to administer this queue manager does not exist.

Do you want to create the default remote administration channel SYSTEM.ADMIN.SVRCONN to allow this queue manager to be administered by other queue managers?

Severity

0: Information

Response

Select Yes to create the channel.

AMQ4135

The default channel used by remote queue managers to administer this queue manager is SYSTEM.ADMIN.SVRCONN.

Do you want to delete this channel to prevent the queue manager being administered by other queue managers?

Severity

0: Information

Response

Select Yes to delete the channel.

AMQ4136

This operation deletes all files in the errors and trace directories (including, for example, read only files). This operation cannot be undone. Are you sure that you want to proceed?

Severity

10: Warning

Explanation

Deleting all FFSTs and Trace from this machine means that any historical error logs and trace will be lost.

Response

Select Yes to clear the contents of the errors and trace directories.

AMQ4137

The default remote administration channel SYSTEM.ADMIN.SVRCONN has been deleted successfully.

Severity

0: Information

Response

Message for information only.

AMQ4138

Are you sure that you want to import new settings that will overwrite the current settings? This operation cannot be undone.

Severity

10: Warning

Explanation

Importing settings into the WebSphere MQ Explorer will overwrite the current settings.

Response

Continue only if you want to overwrite the current settings.

AMQ4139

The default remote administration channel SYSTEM.ADMIN.SVRCONN was created successfully.

Severity

0: Information

Response

Message for information only.

AMQ4140

The custom CipherSpec is not valid.

Severity

10: Warning

AMQ4141

The Distinguished Names specification is not valid.

Severity

10: Warning

AMQ4142

The default remote administration channel SYSTEM.ADMIN.SVRCONN could not be created.

Severity

10: Warning

Explanation

A problem has occurred when issuing a command to the command server to create the channel.

Response

Try again. If symptoms persist contact your System Administrator.

AMQ4143

The default remote administration channel SYSTEM.ADMIN.SVRCONN could not be created.

Severity

10: Warning

Explanation

A problem occurred when copying the default administration channel to use as a template for the channel creation.

Response

Try again. If symptoms persist contact your System Administrator.

AMQ4144

The default remote administration channel SYSTEM.ADMIN.SVRCONN could not be deleted.

Severity

10: Warning

Explanation

A problem has occurred issuing a command to the command server to delete the channel.

Response

Ensure that the channel is not in use and try again. If symptoms persist contact your System Administrator.

AMQ4145

An error occurred connecting to the remote queue manager using the intermediate queue manager. Are you sure that you want to show this queue manager in the folder anyway?

Severity

10: Warning

Explanation

A connection could not be made to the specified remote queue manager.

Response

Ensure that the intermediate queue manager is available and that the named remote queue manager is running, and is accessible from the intermediate queue manager. Ensure that you have the authority to connect to the remote queue manager, and ensure that the network is operational. Select Yes if you believe that the problem can be resolved later. Select No if you want to correct the problem now and try again.

AMQ4146

Eclipse cannot create or read the workspace for WebSphere MQ Explorer.

Severity

40: Stop Error

Explanation

To load the WebSphere MQ Explorer, a valid workspace is required.

Response

Ensure that you can write to the Eclipse workspace.

AMQ4147

Eclipse cannot write to the workspace for WebSphere MQ Explorer in *<insert_0>*.

Severity

40: Stop Error

Explanation

To load the WebSphere MQ Explorer, write access to the workspace is required.

Response

Ensure that you can write to the Eclipse workspace.

AMQ4148

The object was created successfully.

Severity

0: Information

Response

Message for information only.

AMQ4149

The request to start the listener was accepted.

Severity

0: Information

Explanation

A user request to start the listener was accepted by WebSphere MQ.

Response

Message for information only.

AMQ4150

The request to stop the listener was accepted.

Severity

0: Information

Explanation

A user request to stop the listener was accepted by WebSphere MQ.

Response

Message for information only.

AMQ4151

The request to start the service was accepted.

Severity

0: Information

Explanation

A user request to start the service was accepted by WebSphere MQ.

Response

Message for information only.

AMQ4152

The request to stop the service was accepted.

Severity

0: Information

Explanation

A user request to stop the service was accepted by WebSphere MQ.

Response

Message for information only.

AMQ4153

WebSphere MQ cannot stop the listener because it is not running.

Severity

10: Warning

AMQ4154

WebSphere MQ cannot start the service because no start command has been specified.

Severity

10: Warning

Response

Ensure that the service has a start command specified.

AMQ4155

WebSphere MQ cannot stop the service because no stop command has been specified.

Severity

10: Warning

Response

Ensure that the service has a stop command specified.

AMQ4156

WebSphere MQ cannot stop the service because the service is not running.

Severity

10: Warning

AMQ4157

WebSphere MQ cannot start the service because the services is already running.

Severity

10: Warning

AMQ4158

WebSphere MQ cannot start the listener because it is already running.

Severity

10: Warning

AMQ4159

WebSphere MQ cannot start the client connection channel because one or more of the properties are incorrectly specified.

Severity

10: Warning

Response

Ensure that the client connection has the correct queue manager name and connection name before trying to start.

AMQ4160

WebSphere MQ cannot process the request because the executable specified cannot be started.

Severity

10: Warning

Explanation

The requested was unsuccessful because the program which was defined to be run to complete the action could not be started.

Reasons why the program could not be started are :-

The program does not exist at the specified location.

The WebSphere MQ user does not have sufficient access to execute the program.

If StdOut or StdErr are defined for the program, the WebSphere MQ user does not have sufficient access to the locations specified.

Response

Check the Queue Manager error logs for further details on the cause of the failure, correct the problem and try again.

AMQ4161

The parameter specified is not valid.

Severity

20: Error

Explanation

The parameter specified when trying to create or alter an object is not valid.

Response

Ensure that valid parameters are specified, then try again.

AMQ4162

The password cannot be cleared.

Severity

0: Information

Response

Try to clear the password again later.

AMQ4163

The password cannot be changed.

Severity

10: Warning

Explanation

The attempt to change the password failed because of an error.

Response

Try a different password

AMQ4164

The password was successfully changed.

Severity

0: Information

Response

Message for information only.

AMQ4165

No password entered in the new password field. No change applied.

Severity

10: Warning

Explanation

You must enter a new password in both the new and confirm password fields.

Response

Enter a new password in the new password field.

AMQ4166

No password entered in the confirm new password field. No change applied.

Severity

10: Warning

Explanation

You must enter a new password in both the new and confirm password fields.

Response

Re-enter the new password in the confirm new password field.

AMQ4167

Passwords do not match. No change applied.

Severity

10: Warning

Explanation

You must enter the same new password in both the new and confirm password fields.

Response

Ensure that the passwords in the new and confirm fields match.

AMQ4168

WebSphere MQ failed to start listening for objects.

Severity

20: Error

Explanation

No objects will be displayed in the currently selected view.

Response

Check the problem determination information, and ensure that WebSphere MQ and the queue manager in question are both running correctly.

AMQ4169

WebSphere MQ failed to set the object filter.

Severity

20: Error

Explanation

The WebSphere MQ Explorer cannot listen for objects, so no objects will be displayed in the currently selected view.

Response

Check the problem determination information, and ensure that WebSphere MQ and the queue manager in question are both running correctly.

AMQ4170

The object name specified is not valid.

Severity

20: Error

Explanation

The object name specified when trying to create or alter an object is not valid.

Response

Ensure that a valid object name is specified, then try again.

AMQ4171

There was an error when communicating with the queue manager.

Severity

20: Error

Explanation

A request for information from the queue manager failed.

Response

Try the operation again. If the error persists, examine the problem determination information to see if any details have been recorded.

AMQ4172

There was an error when trying to set or retrieve information.

Severity

20: Error

Explanation

There was an error when trying to set or retrieve information from the queue manager. This might have happened because you specified incorrect or inconsistent attributes when trying create or update an object.

Response

If this error occurred during object creation or modification, ensure that the attributes specified are correct for this type of object. If the error persists, examine the problem determination information to see if any details have been recorded.

AMQ4173

WebSphere MQ cannot clear one or more Trace and FFST files.

Severity

10: Warning

Explanation

WebSphere MQ cannot clear some files, because of one of the following:

The files are currently in use.

WebSphere MQ Explorer does not have the appropriate access permission.

The trace or errors directories contain user-created subdirectories which WebSphere MQ Explorer cannot delete.

Response

Check that tracing is disabled, and that the WebSphere MQ Explorer has appropriate access permission to delete the Trace and FFST files or remove user created subdirectories.

AMQ4174

FFSTs and Trace were cleared successfully.

Severity

0: Information

Response

Message for information only.

AMQ4175

WebSphere MQ cannot process your request because the value specified is not valid.

Severity

20: Error

Explanation

Only certain combinations and values are valid for the object your are trying to alter or create.

Response

Specify a valid value and try again.

AMQ4176

WebSphere MQ cannot process your request because the object name specified is not valid.

Severity

20: Error

Explanation

Only certain combinations and values are valid for the object you are trying to alter or create. You might also see this message if you have specified a QSG disposition that is not valid or an invalid topic object for a subscription.

Response

Check all values are valid for this type of object and try again. If you have altered the disposition of this object, check that the value is correct. If you are creating a new subscription, check the topic object exists.

AMQ4177

The WebSphere MQ Explorer cannot process your request because the connection to WebSphere MQ is quiescing.

Severity

20: Error

Explanation

The connection to WebSphere MQ is quiescing, so no new information can be queried.

Response

Wait for the connection to end, then try reconnecting.

AMQ4178

WebSphere MQ cannot process your request because there was a disposition conflict detected.

Severity

20: Error

Explanation

A disposition conflict was detected. Ensure that all disposition related fields are correct for this type of object.

Response

Ensure that all disposition related fields are correct for this type of object and try again.

If the error occurred when creating a shared queue check that the Coupling facility structure name on the Storage page has been entered correctly.

If the error occurred while starting a channel that uses a transmission queue with a queue sharing group disposition (QSGDISP) value of SHARED, check that the default channel disposition (DEFCDISP) is set to SHARED or FIXSHARED (and not PRIVATE).

AMQ4179

WebSphere MQ cannot process your request because the string provided was of an incorrect length.

Severity

20: Error

Explanation

A string value has been modified or supplied that is too long or too short when creating or modifying an object.

Response

Check the values being supplied and try again.

Note: If adding exit names on IBM i enter exactly 20 characters, the program name occupies the first 10 characters and the library name occupies the second 10 characters, use blanks to pad to the right if necessary.

AMQ4180

WebSphere MQ cannot process your request because there was a parameter conflict.

Severity

20: Error

Explanation

When creating or modifying an object, the combination of parameters specified is not valid.

Response

Check that the combination specified is valid for the object and try again.

AMQ4181

WebSphere MQ is not responding. Do you want to continue waiting?

Severity

10: Warning

Explanation

WebSphere MQ does not appear to be responding. This could be because of a heavily loaded remote system, or a slow network connection. However there could have been a system failure. Choosing not to continue could leave the WebSphere MQ Explorer in an unknown state, so you should restart it.

Response

If you choose not to continue waiting, restart the WebSphere MQ Explorer, if the problem persists check for problem determination information.

AMQ4182

No objects were found.

Severity

10: Warning

Explanation

The query did not find any objects.

Response

If you were expecting objects to be found, check the problem determination information, and ensure that WebSphere MQ and the queue manager in question are both running correctly.

AMQ4183

Query failed because the queue manager is not in a queue-sharing group.

Severity

10: Warning

Explanation

WebSphere MQ issued a query that required the queue manager to be a member of a queue-sharing group.

Response

Try the operation again, if the problem persists check the problem determination information for more details.

AMQ4184

The channel is not currently active.

Severity

10: Warning

Explanation

The channel was not stopped because it was not currently active.

Response

If attempting to stop a specific instance of a channel, change the connection name or remote queue manager name and try the operation again.

AMQ4185

WebSphere MQ failed to import your settings.

Severity

20: Error

Explanation

One or more of the selected preferences has failed to import your settings.

Response

Try again. If the error persists, examine the problem determination information to see if any details have been recorded.

AMQ4186

WebSphere MQ failed to export your settings.

Severity

20: Error

Response

Try again. If the error persists, examine the problem determination information to see if any details have been recorded.

AMQ4187

WebSphere MQ has successfully imported your settings. (You must restart WebSphere MQ Explorer to apply the imported settings.)

Severity

0: Information

Response

Restart WebSphere MQ explorer to apply the imported settings

AMQ4188

Are you sure that you want to remove queue manager *<insert_0>* from cluster *<insert_1>*?

Severity

10: Warning

Explanation

A confirmation is required before the queue manager is removed from the cluster.

Response

Continue only if you want to permanently remove the queue manager from the cluster.

AMQ4189

The queue manager could not be suspended from the cluster. The operation failed with error *<insert_0>*.

Severity

20: Error

Explanation

The queue manager has not been removed from the cluster.

Response

Try the operation again. If the error persists, examine the problem determination information to see if any information has been recorded.

AMQ4190

An error occurred when clearing the queue manager's REPOS field. The operation failed with error *<insert_0>*.

Severity

20: Error

Explanation

The queue manager has only partially been removed from the cluster. The queue manager has been suspended from the cluster. The REPOS field of the queue manager and the CLUSTER fields of the associated cluster channels have not been cleared.

Response

Try the operation again. If the error persists, examine the problem determination information to see if any information has been recorded.

AMQ4191

An error occurred when clearing the CLUSTER field of channel <insert_0>. The operation failed with error <insert_1>.

Severity

20: Error

Explanation

The queue manager has only partially been removed from the cluster. The queue manager has been suspended from the cluster and the queue manager's REPOS field has been cleared. Some of the CLUSTER fields of other associated cluster channels might also have been cleared.

Response

To completely remove the queue manager, ensure that all the CLUSTER fields of associated cluster channels are cleared.

AMQ4192

The queue manager could not be removed from a cluster because channel <insert_0> is using cluster namelist <insert_1>.

Severity

10: Warning

Response

Remove the cluster channel from the cluster namelist. Ensure that you do not inadvertently affect the definitions of other objects using the namelist. Then try removing the queue manager again.

AMQ4193

The information supplied could not be correctly converted to the required code page.

Severity

20: Error

Explanation

All or part of the information entered required conversion to a different code page. One or more characters could not be converted to an equivalent character in the new code page.

Response

Change the characters used, then try the operation again.

AMQ4194

Request failed because the queue manager attempted to use a default transmission queue which is not valid.

Severity

20: Error

Explanation

An MQOPEN or MQPUT1 call specified a remote queue as the destination. The queue manager used the default transmission queue, as there is no queue defined with the same name as the destination queue manager, but the attempt failed because the default transmission queue is not a valid local queue.

Response

Check that the queue manager's default transmission queue property (DefXmitQName) specifies a valid local queue.

AMQ4195

WebSphere MQ Explorer is now in an unknown state and should be restarted. Do you want to restart WebSphere MQ Explorer?

Severity

10: Warning

Explanation

You have chosen not to wait for WebSphere MQ to respond to a request. WebSphere MQ Explorer is therefore in an unknown state and should be restarted.

Response

Restart the WebSphere MQ Explorer and try the operation again. If the problem persists check for problem determination information.

AMQ4196

The command or operation is not valid against the type of object or queue specified

Severity

20: Error

Explanation

You have attempted a command or operation against an object or queue with a type that is not valid for the operation specified. For example, browsing a remote queue; issuing the clear command against a queue with a type that is not QLOCAL; clearing by API calls, a queue who type cannot be opened for input.

Response

Retry the command or operation against an object or queue with a type that is valid for the operation requested.

AMQ4197

An MQOPEN or MQPUT1 call was issued specifying an alias queue as the target, but the BaseObjectName in the alias queue attributes is not recognized as a queue name.

Severity

20: Error

Explanation

An MQOPEN or MQPUT1 call was issued specifying an alias queue as the target, but the BaseObjectName in the alias queue attributes is not recognized as a queue name. This reason code can also occur when BaseObjectName is the name of a cluster queue that cannot be resolved successfully.

Response

Correct the queue definitions.

AMQ4198

Queue manager <insert_0> has not been removed from one or more clusters.

If you do not remove the queue manager from the clusters, you might get unexpected errors

Do you want to delete the queue manager without removing it from these clusters?

Severity

10: Warning

Explanation

The user has chosen to delete a queue manager that is currently a member of one or more clusters. The queue manager should first be removed cleanly from these clusters before deleting the queue manager. Other queue managers in the cluster might expect the queue manager to be available.

Response

Remove the queue manager from the clusters it is a member of.

AMQ4199

Queue manager <insert_0> is not available for client connection due to an SSL configuration error.

Severity

30: Severe error

Explanation

The user is trying to connect to a remote queue manager using a secure connection.

Response

Check the SSL configuration of the target queue manager and the local SSL trust store.

AMQ4200

There is a problem with the default configuration. Unable to display the Default Configuration window.

Severity

20: Error

Explanation

There is a problem with WebSphere MQ.

Response

Use the 'Details>>' button to show further details about the problem and contact your systems administrator.

AMQ4201

Unable to check if the computer exists.

Severity

20: Error

Explanation

WebSphere MQ was unable to check if the computer name you entered exists on your computer's domain.

Response

Retry the operation, if the problem persists contact your systems administrator.

AMQ4202

Unable to contact the computer <insert_0>.

Severity

10: Warning

Explanation

WebSphere MQ was unable to locate a computer with this name on your computer's TCP/IP domain.

Response

Enter a different computer name.

AMQ4203

Unable to set up the default configuration.

Severity

20: Error

Explanation

WebSphere MQ was unable to set up the default configuration. This error may occur if WebSphere MQ is busy with another operation.

Response

Retry the operation. If the problem persists, use the 'Details>>' and 'Print' buttons to record further details about the problem and contact your systems administrator.

AMQ4204

Unable to join the default cluster.

Severity

20: Error

Explanation

WebSphere MQ was unable to join your computer to the default cluster. This error may occur if WebSphere MQ is busy with another operation.

Response

Retry the operation. If the problem persists, use the 'Details>>' and 'Print' buttons to record further details about the problem and contact your systems administrator.

AMQ4205

Unable to allow remote administration of the queue manager.

Severity

20: Error

Explanation

WebSphere MQ was unable change the configuration of your queue manager to allow it to be remotely administered. This error may occur if WebSphere MQ is busy with another operation.

Response

Retry the operation. If the problem persists, use the 'Details>>' and 'Print' buttons to record further details about the problem and contact your systems administrator.

AMQ4206

Unable to prevent remote administration of the queue manager.

Severity

20: Error

Explanation

WebSphere MQ was unable change the configuration of your queue manager to prevent it from being remotely administered. This error may occur if WebSphere MQ is busy with another operation.

Response

Retry the operation. If the problem persists, use the 'Details>>' and 'Print' buttons to record further details about the problem and contact your systems administrator.

AMQ4207

The path specified is not valid.

Severity

20: Error

Response

Check the path specified and try again.

AMQ4208

Show this panel again the next time the queue manager is started?

Severity

0: Information

Explanation

You can choose whether you want the same panel to be shown the next time this queue manager is started, and the default configuration is not complete.

Response

Select whether you want the panel to be shown next time.

AMQ4209

The TCP/IP name of the remote computer must not be your own computer name.

Severity

0: Information

Explanation

You have selected that the repository queue manager is on another computer, but you have entered the name of your own computer.

Response

Enter the correct name of the repository queue manager.

AMQ4210

The command server must be active to complete this operation. Use the WebSphere MQ Services to start it, then retry the operation.

Severity

10: Warning

Explanation

The operation you requested needs the command server to be running.

Response

Use WebSphere MQ Services to start the command server, then retry the operation.

AMQ4211

The computer name entered must be on your local domain (<insert_0>).

Severity

10: Warning

Response

Enter the computer name which is on your local domain

AMQ4212

Unable to complete this task because you do not have authority to administer WebSphere MQ.

You must be in the mqm group to administer WebSphere MQ.

Severity

10: Warning

Explanation

Your userid is not authorized to carry out the operation you requested.

Response

Retry the operation on a userid with the required authority, or contact your systems administrator.

AMQ4213

Unable to delete the queue manager <insert_0> because it is being used by another program.

Close any program using the queue manager, then click 'Retry'.

Severity

10: Warning

Explanation

WebSphere MQ was unable to delete the old default configuration queue manager because another program is using the queue manager.

Response

Close the programs that are using the queue manager, and click Retry.

AMQ4214

The computer <insert_0> is not known on the network.

Severity

10: Warning

Explanation

WebSphere MQ is unable to locate a computer with this name on your network.

Response

Enter a different computer name.

AMQ4215

Upgrade of the default configuration was canceled.

Severity

10: Warning

Explanation

You pressed 'Cancel' while running the default configuration wizard to upgrade the default configuration.

Response

None

AMQ4216

The WebSphere MQ services component does not have the authority it requires.

Severity

10: Warning

AMQ4217

The MQSeriesServices component does not have the authority to create the default configuration.

Severity

10: Warning

AMQ4250

No nickname supplied - supply one.

Severity

10: Warning

Explanation

Requires to enter the user nick name in the text box

Response

Enter the nickname in the text box

AMQ4251

Cannot Initialise WinSock - TCP/IP may not be installed. Install TCP/IP and try again

Severity

20: Error

Explanation

Postcard was not able to initialize the interface to TCP/IP.

Response

Check that TCP/IP has been installed successfully. If the problem persists, refer to your systems administrator.

AMQ4252

Cannot Find WinSock - TCP/IP may not be installed. Install TCP/IP and try again.

Severity

20: Error

Explanation

Postcard was not able to find the interface to TCP/IP.

Response

Check that TCP/IP has been installed successfully. If the problem persists, refer to your systems administrator.

AMQ4253

Cannot get fully qualified TCP/IP domain name - Ensure that the TCP/IP protocol is configured.

Severity

20: Error

Explanation

Postcard was not able to determine the TCP/IP domain name for your computer.

Response

Check that TCP/IP has been installed successfully. If the problem persists, refer to your systems administrator.

AMQ4254

Failed to Allocate System Memory - Contact your system administrator.

Severity

20: Error

Explanation

Postcard was not able to allocate enough memory to run correctly.

Response

Close other programs to release system memory. If the problem persists, refer to your systems administrator.

AMQ4255

Supply a user name with which you wish to communicate.

Severity

10: Warning

Explanation

Requires to enter a user nick name in the To text box.

Response

Enter the user nickname in the To text box

AMQ4256

Supply <insert_0>'s computer name (this must be a TCP/IP name).

Severity

10: Warning

Explanation

Requires to enter the mail box computer name on the On field

Response

Enter the mail box computer name or queue manager name on the On text box

AMQ4257

The call MQCONN failed while preparing for a Put operation,
with Completion Code [<insert_0> (<insert_1>)], Reason Code [<insert_2> (<insert_3>)].

Severity

20: Error

Explanation

An error occurred when Postcard tried to connect to the queue manager in order to send the postcard. This error may occur if WebSphere MQ is busy with another operation.

Response

Try to send the postcard again. If the problem persists contact your systems administrator.

AMQ4258

The call MQOPEN failed while preparing for a Put operation,
with Completion Code [<insert_0> (<insert_1>)], Reason Code [<insert_2> (<insert_3>)].

Severity

20: Error

Explanation

An error occurred when Postcard tried to open a queue in order to send the postcard. This error may occur if WebSphere MQ is busy with another operation.

Response

Try to send the postcard again. If the problem persists contact your systems administrator.

AMQ4259

The call MQCLOSE failed while preparing for a Put operation,
with Completion Code [<insert_0> (<insert_1>)], Reason Code [<insert_2> (<insert_3>)].

Severity

20: Error

Explanation

An error occurred when Postcard tried to close the queue after sending the postcard. This error may occur if WebSphere MQ is busy with another operation.

Response

If the problem persists contact your systems administrator.

AMQ4260

The call MQDISC failed while preparing for a Put operation,
with Completion Code [<insert_0> (<insert_1>)], Reason Code [<insert_2> (<insert_3>)].

Severity

20: Error

Explanation

An error occurred when Postcard tried to disconnect from the queue manager after sending the postcard. This error may occur if WebSphere MQ is busy with another operation.

Response

If the problem persists contact your systems administrator.

AMQ4261

The call MQPUT failed with Completion Code [*<insert_0>* (*<insert_1>*)], Reason Code [*<insert_2>* (*<insert_3>*)].

Severity

20: Error

Explanation

An error occurred when Postcard tried to send the postcard by putting its data to the queue. This error may occur if WebSphere MQ is busy with another operation.

Response

Try to send the postcard again. If the problem persists contact your systems administrator.

AMQ4262

The call MQCONN failed while preparing for a Get operation,
with Completion Code [*<insert_0>* (*<insert_1>*)], Reason Code [*<insert_2>* (*<insert_3>*)].

Severity

20: Error

Explanation

An error occurred when Postcard tried to connect to the queue manager in order to receive postcards. This error may occur if WebSphere MQ is busy with another operation.

Response

Restart Postcard. If the problem persists contact your systems administrator.

AMQ4263

The call MQOPEN failed while preparing for a Get operation,
with Completion Code [*<insert_0>* (*<insert_1>*)], Reason Code [*<insert_2>* (*<insert_3>*)].

Severity

20: Error

Explanation

An error occurred when Postcard tried to open a queue in order to send the postcard. This error may occur if WebSphere MQ is busy with another operation.

Response

Restart Postcard. If the problem persists contact your systems administrator.

AMQ4264

The call MQCLOSE failed while preparing for a Get operation,
with Completion Code [*<insert_0>* (*<insert_1>*)], Reason Code [*<insert_2>* (*<insert_3>*)].

Severity

20: Error

Explanation

An error occurred when Postcard tried to close the queue after receiving postcards. This error may occur if WebSphere MQ is busy with another operation.

Response

If the problem persists contact your systems administrator.

AMQ4265

The call MQDISC failed while preparing for a Get operation,
with Completion Code [*<insert_0>* (*<insert_1>*)], Reason Code [*<insert_2>* (*<insert_3>*)].

Severity

20: Error

Explanation

An error occurred when Postcard tried to disconnect from the queue manager after receiving postcards. This error may occur if WebSphere MQ is busy with another operation.

Response

If the problem persists contact your systems administrator.

AMQ4266

Enter the message that you want to send to *<insert_0>*.

Severity

10: Warning

Response

Enter the message in the Message text field.

AMQ4267

The call MQGET failed with Completion Code [*<insert_0>* (*<insert_1>*)], Reason Code [*<insert_2>* (*<insert_3>*)].

Severity

20: Error

Explanation

An error occurred when Postcard tried to receive postcards by getting its data from the queue. This error may occur if WebSphere MQ is busy with another operation.

Response

Restart Postcard. If the problem persists contact your systems administrator.

AMQ4268

Postcard is unable to contact the queue manager on the remote computer.

Verify that the default configuration is running on the remote computer.

Severity

20: Error

Explanation

The mail box queue manager in the On text box not reachable.

Response

Verify that the default configuration is running on the remote computer.

AMQ4269

Unable to run Postcard because you do not have authority to use WebSphere MQ.

You must be in the mqm group to use WebSphere MQ.

Severity

20: Error

Explanation

The mail box queue manager in the On text box not reachable.

Response

Use Postcard on a user Id with the required authority, or contact your systems administrator.

AMQ4270

Postcard is unable to send messages to the remote computer. Postcard can only exchange messages with computers that are on the same TCP/IP domain as this computer.

Severity

20: Error

Explanation

Unable to send messages to the remote computer

Response

Use default configuration application to add the remote computer to the same cluster.

AMQ4271

Unable to open a local queue called *<insert_0>* on the mailbox queue manager *<insert_1>*.

Use WebSphere MQ Explorer to create the queue, then restart Postcard.

Severity

20: Error

Explanation

Postcard was unable to automatically create the queue it uses on the queue manager.

Response

Use WebSphere MQ Explorer to create the queue, and restart Postcard.

AMQ4272

The mailbox queue manager *<insert_0>* does not exist on this computer.

Severity

20: Error

Explanation

The mailbox queue manager name specified after the '-m' parameter to Postcard does not exist on this computer.

Response

Restart Postcard specifying the name of a queue manager that does exist on this computer.

AMQ4273

Unable to contact the target mailbox *<insert_0>*.

Severity

10: Warning

Explanation

Postcard was unable send the message as it could not contact the target mailbox.

Response

Click 'Retry' to attempt to send the message again, otherwise click 'Cancel'.

AMQ4274

Postcard has detected that *<insert_0>* is the name of a computer and a queue manager.

Severity

10: Warning

Explanation

Postcard has detected that the destination mailbox name is the name of a computer and of a queue manager.

Response

Select whether you want to send the message to the computer or the queue manager with this name, then click OK.

AMQ4300

Supply some text in order for the MQPUT(1) operation to succeed.

Explanation

No text has been supplied for the user so that the MQPUT or MQPUT1 operation can proceed.

Response

Supply some text in the editable area so that the MQPUT or MQPUT1 operation can proceed.

AMQ4301

Supply some text in order for the MQPUT operation to succeed.

Explanation

No text has been supplied for the user so that the MQPUT operation may proceed.

Response

Supply some text in the editable area so that the MQPUT may proceed.

AMQ4302

Supply some text in order for the MQPUT1 operation to succeed.

Explanation

No text has been supplied for the user so that the MQPUT1 operation may proceed.

Response

Supply some text in the editable area so that the MQPUT1 may proceed.

AMQ4303

The command server for the queue manager [%s] is not started. Start the command server and try again.

Explanation

In order for the API Exerciser to function, a command server must be running.

Response

Either start the command server from the MQServices application or run strmqcsv <Queue Manager> from the command line.

AMQ4304

API Exerciser cannot enumerate objects for queue manager [%s].

Explanation

The API Exerciser encountered a problem trying to enumerate queues.

Response

Ensure that the command server is running (from the Service application) and that there are queues configured for the queue manager.

AMQ4305

There are no queue managers present in the system. Create one and try again.

Explanation

The API Exerciser could not find any queue managers on the system.

Response

Use the Services application to create one or run crtmqm <Queue Manager>.

AMQ4306

Memory allocation failure. Stop some other applications and try again.

Explanation

There are not sufficient system resources available in the system to satisfy the running of API Exerciser.

Response

Shut some other applications down and try running the API Exerciser again.

AMQ4307

API Exerciser encountered a COM failure and cannot continue. Ensure that WebSphere MQ has been correctly installed and configured and that your user id. is a member of the mqm group.

Explanation

When the API Exerciser started, it was unable to make a COM connection to WebSphere MQ Services.

Response

Ensure that WebSphere MQ has been correctly installed and configured, and that your user ID is a member of the mqm group. If the problem persists, refer to your systems administrator.

AMQ4308

API Exerciser cannot continue. Ensure that the userid you are using is a member of the mqm group.

Explanation

None.

Response

None.

AMQ4309

API Exerciser cannot continue. Ensure that the userid you are using is a member of the Administrator group.

Explanation

None.

Response

None.

AMQ4350

Setup cannot continue; a later version of this product is installed.

Explanation

Installation detected that a version of this product later than version 5.3 is already installed on the computer.

Response

Do not attempt to install version 5.3 when a later version is already installed.

AMQ4351

Uninstallation cannot continue; uninstallation is already running.

Explanation

An attempt was made to run two copies of uninstallation at once.

Response

Run only one copy of uninstallation at a time.

AMQ4352

Setup cannot continue; a supported version of Windows is required.

Explanation

None.

Response

None.

AMQ4353

Setup cannot continue; '%s' is not an Administrator.

Explanation

The user running installation does not have administrator authority.

Response

Log off and log back on using a user ID with administrator authority.

AMQ4354

No repository computer name entered.

Explanation

None.

Response

None.

AMQ4355

Repository computer name is not valid.

Explanation

None.

Response

None.

AMQ4356

Enter a remote computer name.

Explanation

None.

Response

None.

AMQ4357

Registration failed for file '%s' (code 0x%8.8lx).

Explanation

None.

Response

None.

AMQ4358

Unregistration failed for file '%s' (code 0x%8.8lx).

Explanation

None.

Response

None.

AMQ4359

Unable to register file '%s'.

Explanation

None.

Response

None.

AMQ4360

Unable to unregister file '%s'.

Explanation

None.

Response

None.

AMQ4361

Uninstall cannot continue; Administrator logon required.

Explanation

None.

Response

None.

AMQ4362

Failed to create the default configuration.

Explanation

None.

Response

None.

AMQ4363

Setup could not detect the Windows NT Service Pack level (Service Pack 3 or later is required). Is Service Pack 3 or later installed?

Explanation

None.

Response

None.

AMQ4364

Setup could not detect the Windows NT Service Pack level (Service Pack 6a or later is required). Is Service Pack 6a or later installed?

Explanation

None.

Response

None.

AMQ4365

Setup cannot continue because Service Pack 3 is not installed.

Explanation

None.

Response

None.

AMQ4366

Setup cannot continue because Service Pack 6a or later is not installed.

Explanation

None.

Response

None.

AMQ4367

Setup cannot continue because Internet Explorer Version 4.01 SP1 is not installed.

Explanation

None.

Response

None.

AMQ4368

Select at least one component to proceed.

Explanation

None.

Response

None.

AMQ4369

The 'Web Administration Server' component requires the 'Server' component.

Explanation**Response****AMQ4370**

Uninstallation of the 'Server' component requires uninstallation of the 'Web Administration Server' component.

Explanation

None.

Response

None.

AMQ4371

The 'Documentation in Other Languages' component requires the 'Documentation in English' component.

Explanation

None.

Response

None.

AMQ4372

Uninstallation of the 'Documentation in English' component requires uninstallation of the 'Documentation in Other Languages' component.

Explanation

None.

Response

None.

AMQ4373

There is not enough space on drive %s (program files) to install these components. Free up some disk space or modify your selections

Explanation

None.

Response

None.

AMQ4374

There is not enough space on drive %s (data files) to install these components. Free up some disk space or modify your selections

Explanation

None.

Response

None.

AMQ4375

The program files top-level folder is not valid.

Explanation

The program files top-level folder is not a valid path.

Response

Enter a valid path.

AMQ4376

The data files top-level folder is not valid.

Explanation

The data files top-level folder is not a valid path.

Response

Enter a valid path.

AMQ4377

The log files folder is not valid.

Explanation

The log files folder name is not a valid path.

Response

Enter a valid path.

AMQ4378

A root folder is not allowed for the program files top-level folder.

Explanation

WebSphere MQ cannot be installed in a root folder, for example 'C:\'.

Response

Enter a non-root folder.

AMQ4379

A root folder is not allowed for the data files top-level folder.

Explanation

WebSphere MQ cannot be installed in a root folder, for example 'C:\'.

Response

Enter a non-root folder.

AMQ4380

A root folder is not allowed for the log files folder.

Explanation

WebSphere MQ cannot be installed in a root folder, for example 'C:\'.

Response

Enter a non-root folder.

AMQ4381

here is not enough space on drive %s (log files) to install these components. Free up some disk space or modify your selections

Explanation

None.

Response

None.

AMQ4382

Unable to create or replace folder '%s'

Explanation

None.

Response

None.

AMQ4385

Unknown language specified ('%s')

Explanation

None.

Response

None.

AMQ4386

Codepage (%d) for specified language not available.

Explanation

None.

Response

None.

AMQ4387

Before Setup can display help, this computer's help system needs upgrading to HTML Help 1.3. Would you like to upgrade now? (You might need to restart the computer.)

Explanation

None.

Response

None.

AMQ4388

WebSphere MQ Setup or uninstallation is already running.

Explanation

None.

Response

None.

AMQ4389

Setup could not create a local 'mqm' group (code %d).

Explanation

An error occurred creating a local user group called 'mqm'.

Response

Review the installation log file for details of any problems. If the error persists, contact your systems administrator.

AMQ4390

Setup could not create a global 'Domain mqm' group (code %d).

Explanation

An error occurred creating a local user group called 'mqm'.

Response

Review the installation log file for details of any problems. If the error persists, contact your systems administrator.

AMQ4391

Setup could not find the global 'Domain mqm' group.

Explanation

The global 'mqm ' group was created, but could not then be found.

Response

Review the installation log file for details of any problems. If the error persists, contact your systems administrator.

AMQ4392

Setup could not add the global 'Domain mqm' group to the local 'mqm' group (code %d).

Explanation

An error occurred adding the global 'mqm' group to the local 'mqm' group.

Response

Review the installation log file for details of any problems. If the error persists, contact your systems administrator.

AMQ4393

No ports were specified; no listeners will be created.

Explanation

None.

Response

None

AMQ4394

No queue managers are selected for remote administration.

Explanation

None.

Response

None.

AMQ4395

One or more 'Server' component prerequisites were not selected; the component cannot be installed.

Explanation

None.

Response

None.

AMQ4396

One or more prerequisite upgrades were not selected; WebSphere MQ will not operate correctly.

Explanation

None.

Response

None.

AMQ4397

Cannot install on a network drive (drive %s).

Explanation

None.

Response

None.

AMQ4400

Explorer cannot administer the queue manager because the queue <insert_0> is not defined.

Severity

10: Warning

Explanation

Explorer uses the queue <insert_0> to administer queue managers.

Response

Define the queue <insert_0> and retry.

AMQ4401

Explorer cannot administer the queue manager because the user is not authorised to open the queue <insert_0>.

Severity

10: Warning

Explanation

Explorer uses the queue <insert_0> to administer this queue manager.

Response

Allow Explorer to open the queue <insert_0> and retry.

AMQ4402

The queue <insert_0> could not be opened for reason <insert_1>.

Severity

10: Warning

Explanation

Explorer uses the queue <insert_0> to administer this queue manager.

Response

Allow Explorer to open the queue <insert_0> and retry.

AMQ4403

The queue manager you are connecting to is at a higher command level than the intermediate queue manager you are using, which will cause some operations not to work. Are you sure that you want to show the destination queue manager in the folder anyway?

Severity

10: Warning

Explanation

You are making a connection to a remote queue manager which is at a command level higher than the intermediate queue manager you are trying to use. This means that errors will occur when selecting new items such as Application Connections or queue status.

Response

Select Yes if you want to continue to use the remote queue manager with this intermediate queue manager, even though the command levels are inconsistent. Select No to chose a different intermediate queue manager.

AMQ4404

The queue manager <insert_0> is the only full repository in cluster <insert_1> and there are still partial repository queue managers defined. Removing this queue manager from the cluster prevents further repository actions from being run. Are you sure that you want to remove this queue manager?

Severity

10: Warning

Explanation

To be able to display cluster information, the clustering component of the WebSphere MQ Explorer requires at least one full repository to be selected as the source. Removing the last full repository will prevent the display of cluster members, and hence will prevent cluster actions being run on these full repositories.

Response

Select Yes if you want to remove the full repository even though it will prevent access to remaining partial repository information.

AMQ4405

An unexpected error occurred connecting to the JNDI service provider.

The following message contains text from the JNDI service provider which might not be translated.

Error <insert_0> performing JNDI operation <insert_1> on object name <insert_2>.

Severity

30: Severe error

Explanation

An unexpected JNDI error prevented the operation from completing.

Response

Check for FFSTs to determine the reason for the error. If symptoms persist, contact your Systems Administrator.

AMQ4406

The connection could not be made to the JNDI service provider because the specified security credentials (distinguished name and password) are not valid for this service provider.

Severity

20: Error

Explanation

Either the distinguished name or password is not valid for the service provider

Response

Correct the security credentials and try again.

AMQ4407

The Provider URL was not supplied.

Severity

20: Error

Explanation

The Provider URL must be supplied when opening an Initial Context.

Response

Supply the Provider URL.

AMQ4408

The NAME was missing from the JMS Administration data file.

Severity

20: Error

Response

Check for FFSTs to determine the reason for the error.

AMQ4409

A context with the nickname <insert_0> already exists.

Severity

20: Error

Explanation

Nicknames for each context in the tree must be unique.

Response

Choose a different nickname for this context.

AMQ4410

Object type *<insert_0>* is not recognised when retrieving details for attribute *<insert_1>*.

Severity

20: Error

Explanation

The object ID is not valid.

Response

Ensure that only supported object types are used.

AMQ4411

Object type *<insert_0>* is not recognised when loading objects from context *<insert_1>*.

Severity

20: Error

Explanation

The object class is not valid.

Response

Ensure that only supported object types are used.

AMQ4412

Unexpected Exception: *<insert_0>* message *<insert_1>*.

Severity

20: Error

Explanation

An unexpected error occurred.

Response

Check for FFSTs to determine the reason for the error.

AMQ4413

The context *<insert_0>* could not be removed, because it was not empty.

Severity

20: Error

Explanation

A context can only be removed if it is empty.

Response

Remove the contents of the context and try again.

AMQ4414

An unexpected error occurred when connecting to the JNDI service provider.

The following message contains text from the JNDI service provider which might not be translated.

Error *<insert_0>* because of *<insert_3>* performing JNDI operation *<insert_1>* on object name *<insert_2>*.

Severity

30: Severe error

Explanation

An unexpected JNDI error prevented the operation from completing.

Response

Check for FFSTs to determine the reason for the error. If symptoms persist contact your Systems Administrator.

AMQ4415

The object could not be created because an object with the name *<insert_0>* already exists.

Severity

20: Error

Explanation

An object with the same name already exists in JNDI. Note that the existing object might be of a different type to the one being created as Connection Factories, Destinations and other JNDI objects all share the same namespace within a particular JNDI context. To locate the existing object, select the JMS context tree node to display all objects within that JNDI location.

Response

Choose a different name for the new object, or delete the existing object.

AMQ4416

The object `<insert_0>` could not be created because you do not have authority to create objects, or there is no connection to the context.

Severity

20: Error

Explanation

If the JNDI service provider is LDAP then the connection might not have a sufficient level of security to create objects.

If the JNDI service provider is a file system then the bindings file might be read-only, or there is no connection to the context.

Response

Connect to the JNDI service provider with the correct level of security, or ensure the permissions on the bindings file are correct and try again.

AMQ4417

The Local address could not be set to the value `<insert_0>`.

Severity

20: Error

Explanation

The Local address must be a valid address in the form `ip_address(port-number)`, where the port number can be a specific port, a range of ports (low-port,high-port), or can be omitted. A host name can be specified instead of an IP address.

Response

Correct the Local address and try again.

AMQ4418

The SSL Peer name could not be set to the value `<insert_0>`.

Severity

20: Error

Explanation

SSL Peer name must be a valid Distinguished Name.

Response

Enter a valid SSL Peer name.

AMQ4419

The JNDI context was opened out of order.

Severity

20: Error

Explanation

A context which is already open cannot be opened again.

Response

Check for FFSTs to determine the reason for the error.

AMQ4420

The JNDI context was closed out of order.

Severity

20: Error

Explanation

A context which is already closed cannot be closed again.

Response

Check for FFSTs to determine the reason for the error.

AMQ4421

The connection could not be made to the JNDI service provider. This could be either because the physical connection has been broken, or the distinguished name in the provider URL or the distinguished name provided for the security credentials is not valid.

Severity

20: Error

Explanation

The name provided must be a properly formed distinguished name, valid on the specified JNDI service provider.

Response

Correct the distinguished name and try again.

AMQ4422

There is a communication error connecting to the JNDI service provider with the provider URL *<insert_0>*.

Severity

20: Error

Explanation

The connection to the JNDI service provider has timed out.

Response

Check the connection information and ensure that the service provider is running at the remote end and try again.

AMQ4423

The object *<insert_0>* could not be deleted because you do not have authority to delete objects.

Severity

20: Error

Explanation

If the JNDI service provider is LDAP then the connection might not have a sufficient level of security to delete objects.

If the JNDI Service provider is a file system then the bindings file might be read-only.

Response

Connected to the JNDI service provider with the correct level of security or ensure the permissions on the bindings file are correct and try again.

AMQ4424

The requested level of security is not supported by the JNDI service provider.

Severity

20: Error

Explanation

The level of security requested (none, simple or CRAM_MD5) is not supported by the JNDI service provider being used.

Response

Either change the level of security requested or the JNDI service provider and try again.

AMQ4425

It is not clear to which queue manager the value of the *<insert_0>* field on the *<insert_1>* page refers.

* Ensure that the queue manager is in WebSphere MQ Explorer.

- * Ensure that the queue manager is running.
- * Ensure that WebSphere MQ Explorer is connected to the queue manager.
- * Ensure you have authority to list queues on the queue manager
- * If there are two queue managers with the same name in WebSphere MQ Explorer, use the <insert_0> Select button to specify the queue manager again.

Severity

20: Error

Explanation

WebSphere MQ Explorer needs to know exactly which queue manager to query to populate the object selection dialog.

Response

If the queue manager name is ambiguous, use the selection button to choose a running queue manager, before selecting the object.

AMQ4426

The location <insert_0> cannot be resolved.

Severity

20: Error

Explanation

The specified location could not be found because it is not bound.

Response

Ensure that the details for the JNDI context are correct and the context itself is accessible. Try again.

AMQ4427

The JNDI service provider cannot be found

Severity

20: Error

Explanation

A JNDI service provider has been entered that is not valid, or it cannot be found in the CLASSPATH.

Response

Correctly specify the JNDI service provider and try again.

AMQ4428

There is an error connecting to the JNDI service provider with the provider URL <insert_0>.

The host name or IP address is not correct.

Severity

20: Error

Explanation

The connection to the JNDI service provider has timed out due to an incorrect host name or IP address.

Response

Correct the host name or IP address and try again.

AMQ4429

There is an error connecting to the JNDI service provider with the provider URL <insert_0>.

The host name or port number is not correct or the remote server is not running.

Severity

20: Error

Explanation

The connection to the JNDI service provider has timed out due an incorrect host name or port number, or the remote server is not running.

Response

Check the host name and port number and ensure that the remote service provider is running.

AMQ4430

There is an error connecting to the JNDI service provider with the provider URL *<insert_0>*.

The Local area network (LAN) is not available.

Severity

20: Error

Explanation

The connection to the JNDI service provider has timed out due to the LAN not being available.

Response

Ensure the LAN is available and try again.

AMQ4431

The object *<insert_0>* could not be updated as you do not have authority to update objects.

Severity

20: Error

Explanation

If the JNDI service provider is LDAP, then the connection might not have a sufficient level of security to update objects.

If the JNDI Service provider is a file system, then the bindings file might be read-only.

Response

Connected to the JNDI service provider with the correct level of security, or ensure the permissions on the bindings file are correct and try again.

AMQ4432

There is a communication error with the JNDI service provider.

Severity

20: Error

Explanation

The connection to the JNDI service provider has timed out.

Response

Ensure that the LAN is available and that the remote service provider is running, then try again.

AMQ4433

The object *<insert_0>* could not be renamed because you do not have authority to rename objects.

Severity

20: Error

Explanation

If the JNDI service provider is LDAP, then the connection might not have a sufficient level of security to rename objects.

If the JNDI Service provider is a file system then the bindings file might be read-only.

Response

Connect to the JNDI service provider with the correct level of security, or ensure the permissions on the bindings file are correct and try again.

AMQ4434

The object *<insert_0>* could not be renamed to *<insert_1>* because the name already exists.

Severity

20: Error

Explanation

Names within the JNDI namespace must be unique.

Response

Choose another name and try again.

AMQ4435

The field *<insert_0>* must start with the prefix *<insert_1>*

Severity

20: Error

Explanation

The name entered must start with the particular prefix.

Response

Correct the name and try again.

AMQ4436

The *<insert_0>* on the *<insert_1>* page cannot be *<insert_2>* when the *<insert_3>* on the *<insert_4>* page is *<insert_5>*.

Severity

20: Error

Explanation

The attributes are inconsistent.

Response

Change one or both of the attributes to make them consistent.

AMQ4437

Unknown event; type *<insert_0>*.

Severity

20: Error

Explanation

The JMS Administration plug-in encountered an unexpected event.

Response

Check for FFSTs to determine the reason for the error.

AMQ4438

The value *<insert_3>* from the parameter *<insert_0>* *<insert_1>* of class *<insert_2>* cannot be converted into a URL.

Severity

20: Error

Explanation

The JMS Administration plug-in encountered an unexpected URL string.

Response

Check for FFSTs to determine the reason for the error.

AMQ4439

The last non-blank character of *<insert_0>* must be an asterisk.

Severity

20: Error

Explanation

The name entered must end with an asterisk.

Response

Correct the name and try again.

AMQ4440

The following error was encountered when setting the field *<insert_0>*.
<insert_1>

Severity

20: Error

Explanation

A JMS exception was generated when setting the SSL CRL

Response

Check that all the URLs in the SSL CRL field are in the format "ldap://host".

AMQ4441

The type of the object underlying the JMS Parameter *<insert_0>* *<insert_1>* is unexpected: *<insert_2>*.

Severity

20: Error

Explanation

The JMS Administration plug-in encountered an unexpected object type.

Response

Check for FFSTs to determine the reason for the error.

AMQ4442

Unexpected JMS Exception: pcfid: *<insert_0>* *<insert_1>*, object type: *<insert_2>*, JMS error *<insert_3>* *<insert_4>*.

Severity

20: Error

Explanation

The JMS Administration plug-in encountered an unexpected JMS error.

Response

Check for FFSTs to determine the reason for the error.

AMQ4443

One or more JNDI errors prevented objects being retrieved from the namespace. The last of these errors was *<insert_0>* for the object *<insert_1>*.

Severity

30: Severe error

Explanation

An unexpected JNDI error prevented the operation from completing. The objects might have been damaged and cannot be retrieved from the namespace. Damaged objects are shown in WebSphere MQ Explorer

Response

Either delete the object (using the Explorer), or repair it using some other tool.

AMQ4444

One or more JNDI errors prevented objects being looked up from the namespace. The last of these errors was *<insert_0>* for the object *<insert_1>*.

The JNDI service provider returned the following message text:

<insert_2>.

Severity

30: Severe error

Explanation

An unexpected JNDI error prevented the operation from completing. The objects might have been damaged and cannot be retrieved from the namespace. Damaged objects are shown in WebSphere MQ Explorer

Response

Either delete the object (using the Explorer), or repair it using some other tool.

AMQ4445

The following error, reported by JNDI, prevented the transport being changed for the object: *<insert_1>*.

<insert_0>.

Severity

30: Severe error

Explanation

The objects might have properties which prevent the transport being changed.

Response

Before trying to change the transport, change any conflicting properties.

AMQ4446

You are about to remove the Initial context <insert_0> (<insert_1>) from WebSphere MQ Explorer. Are you sure that you want to continue?

Severity

0: Information

Explanation

If you remove this Initial context, it will no longer be displayed in WebSphere MQ Explorer. The context itself and its contents, will not be deleted.

Response

Continue only if you want to remove the context from WebSphere MQ Explorer.

AMQ4447

Are you sure that you want to delete the JMS object <insert_0> (<insert_1>)?

Severity

0: Information

Explanation

The JMS object will be permanently removed from the JMS Context.

Response

Continue only if you want to permanently delete the object.

AMQ4448

The <insert_0> on the <insert_1> page cannot be specified when the <insert_2> on the <insert_3> page has not been specified.

Severity

20: Error

Explanation

The attributes are inconsistent.

Response

Change one or both of the attributes to make them consistent.

AMQ4449

The factory class location <insert_0> is not valid.

Severity

20: Error

Explanation

The factory class location must be in a URL format.

Response

Remove the Initial context from WebSphere MQ Explorer and add it again.

AMQ4450

This operation is not supported. The following message contains text from the JNDI service provider which might not be translated:

<insert_0>

Use this message to help you diagnose the problem.

Severity

20: Error

Explanation

The JNDI provider does not support the operation performed. One common problem is trying to connect without a password.

Response

Determine and solve the problem from the JNDI error message and try again.

AMQ4451

The *<insert_0>* property on the JMS object *<insert_1>* is set to *<insert_2>* but WebSphere MQ Explorer is not connected to a queue manager with that name.

Severity

20: Error

Explanation

To create the appropriate object on the queue manager, WebSphere MQ Explorer must be connected to it.

Response

Add the required queue manager to WebSphere MQ Explorer and ensure that it is connected before attempting this operation again.

AMQ4452

The coupling-facility structure name specified in the queue definition for this queue is not defined in the CFRM data set, or is not the name of a list structure.

Severity

20: Error

Explanation

An MQOPEN or MQPUT1 call was issued to access a shared queue, but the call failed because the coupling-facility structure name specified in the queue definition is not defined in the CFRM data set, or is not the name of a list structure.

Response

Modify the queue definition to specify the name of a coupling-facility list structure that is defined in the CFRM data set.

AMQ4453

The storage class defined for this queue does not exist.

Severity

20: Error

Explanation

The MQPUT or MQPUT1 call was issued, but the storage-class object defined for the queue does not exist.

Response

Create the storage class object required by the queue, or modify the queue definition to use an existing storage class. The name of the storage class object used by the queue is specified by the StorageClass queue attribute.

AMQ4454

There is an error associated with this channel.

Severity

20: Error

Explanation

A possible error cause is that the channel references a host name that cannot be resolved.

Response

Ensure that all of the properties for the channel have been defined correctly. Ensure that the channel references a host name that can be resolved.

AMQ4455

The Distinguished Name specified is not valid.

Severity

20: Error

Response

Ensure that a valid Distinguished Name is specified.

AMQ4456

The Db2 subsystem is currently not available.

Severity

20: Error

Explanation

An MQOPEN, MQPUT1, or MQSET call was issued to access a shared queue, but the call failed because the queue manager is not connected to a Db2 subsystem. As a result, the queue manager is unable to access the object definition relating to the shared queue. A possible cause for this error is that the Db2 subsystem is being restarted.

Response

Configure the Db2 subsystem so that the queue manager can connect to it. Ensure that the Db2 subsystem is available and running.

AMQ4457

The value *<insert_0>* from attribute *<insert_1>* on JMS object *<insert_2>* is not a valid name for an MQ object.

Severity

20: Error

Explanation

The value of the specified attribute either contains invalid characters or is an invalid length for an MQ object name.

Response

Modify the attribute value by removing any invalid characters or reducing the length.

AMQ4458

The property *<insert_0>* on JMS object *<insert_1>* could not be retrieved or updated.

Severity

20: Error

Explanation

An error occurred while requesting or updating the value of a property on a JMS object.

Response

Check for FFST information to determine the reason for the error. If symptoms persist, contact your Systems Administrator.

AMQ4459

The *<insert_0>* property on the JMS object *<insert_1>* is set to *<insert_2>* but no known queue managers of that name support the creation of administrative topic objects.

Severity

20: Error

Explanation

To create the appropriate object on the queue manager, it must support the creation of administrative topic objects.

Response

Either add a queue manager of the appropriate name and that supports the creation of administrative topics to WebSphere MQ Explorer, or modify the JMS object property. Try the operation again.

AMQ4460

The default remote administration listener LISTENER.TCP was created successfully.

Severity

0: Information

Response

Message for information only.

AMQ4461

The default remote administration listener LISTENER.TCP could not be created.

Severity

10: Warning

Explanation

A problem occurred when issuing a command to the command server to create the listener.

Response

Check that the command server is running on the queue manager and try again. If symptoms persist contact your System Administrator.

AMQ4462

Successfully added queue manager <insert_0>.

Severity

0: Information

Explanation

The requested queue manager was successfully added to the list of known queue managers in the WebSphere MQ Explorer.

Response

Message for information only.

AMQ4463

The <insert_0> attribute on JMS object <insert_1> is set to <insert_2> but this is not a valid name for an MQ Queue Manager.

Severity

20: Error

Explanation

The attribute must only contain valid characters and be of the appropriate length for an MQ Queue Manager name.

Response

Modify the attribute to the name of a real MQ Queue Manager.

AMQ4464

An error occurred while trying to connect to the queue manager. WebSphere MQ Explorer could not determine the name of the queue manager so it cannot be added.

Severity

20: Error

Explanation

Queue manager names must be determined before adding them to the WebSphere MQ Explorer. Where an asterisk (*) is used to connect, the Queue Manager must be available so that the queue manager name can be determined.

Response

Ensure the required queue manager is available before attempting this operation again, or make the queue manager name explicit rather than using an asterisk (*).

AMQ4465

New attributes have been added to WebSphere MQ Explorer objects. Your existing user-defined schemes have not been updated. If you want your user-defined schemes to contain these new attributes, you must manually add the new attributes.

Severity

0: Information

Response

Message for information only.

AMQ4466

Successfully connected to the queue manager <insert_0>. As the required queue manager name <insert_1> starts with an asterisk (*), there might be multiple queue managers that could result from the same connection. Are you sure that you want to add this queue manager?

Severity

0: Information

Explanation

The queue manager name used to connect starts with an asterisk (*). This means that the same connection details could be used to connect to multiple queue managers.

Response

Add the queue manager specified if it is the one you required.

AMQ4467

The filter has not been removed because it is still required by other plug-ins.

Severity

10: Warning

Explanation

Other plug-ins have responded to the attempted removal of this filter by indicating that they are still using it.

Response

Ensure that the other plug-ins have finished using the filter before trying to delete it again.

AMQ4468

The filter named <insert_0> is used by the following automatic sets:<insert_1> Are you sure that you want to delete this filter?

Severity

10: Warning

Explanation

A confirmation is required before the specified filter is deleted. The name is provided in the message.

Response

Continue only if you want to permanently delete the filter.

AMQ4469

The automatic set <insert_0> no longer has any filters to decide its membership.

Severity

10: Warning

Explanation

The only filter that this set was using has been deleted. An automatic set needs at least one filter to determine which objects should be members of the set.

Response

Press OK to edit this set and in the Edit Set dialog, select one or more filters to use with this set.

AMQ4470

The Provider Version is not in the correct form.

Severity

20: Error

Explanation

The Provider Version consists of up to 4 groups of digits separated with periods (.)but not ending with one, 63, 1.2 or 1.2.34.56 for example. Alternatively you can enter the word 'unspecified'.

Response

Correct the provider version and try again.

AMQ4471

Are you sure that you want to delete the set named <insert_0>?

Note that deleting a set does not delete its members.

Severity

10: Warning

Explanation

A confirmation is required before the specified set is deleted.

Response

Continue only if you want to permanently delete the set.

AMQ4472

The WMQ_Schemes.xml file used to save schemes is incomplete.

A backup copy of this file has been made:

<insert_0>.

Where possible, user-defined schemes from this file have been extracted and retained, but it is possible that some have been lost.

Severity

10: Warning

Explanation

When reading in schemes from the WMQ_Schemes.xml file, some required information was missing.

Response

Re-create user-defined schemes where necessary. Refer to the backup copy of the schemes file that was created to identify what has been changed.

AMQ4473

The WMQ_Schemes.xml file used to save schemes was found to be in an invalid format.

A backup copy of this file was made:

<insert_0>.

All user-defined schemes must be re-created.

Severity

10: Warning

Explanation

WebSphere MQ Explorer was unable to process the WMQ_Schemes.xml file as it had an invalid format. It was possibly truncated.

Response

Re-create all user-defined schemes. If possible, refer to the backup copy of the schemes file to obtain information.

AMQ4474

The WMQ_Filters.xml file used to save filters is incomplete. A backup copy of this file has been made: <insert_0>. Where possible, user-defined filters from this file have been extracted and retained, but it is possible that some have been lost.

Severity

10: Warning

Explanation

When reading in filters from the WMQ_Filters.xml file, some required information was missing.

Response

Re-create user-defined filters where necessary. Refer to the backup copy of the filters file that was created to identify what has been changed.

AMQ4475

The WMQ_Filters.xml file used to save filters was found to be in an invalid format. A backup copy of this file was made: <insert_0>. All user-defined filters must be re-created.

Severity

10: Warning

Explanation

WebSphere MQ Explorer was unable to process the WMQ_Filters.xml file as it had an invalid format. It was possibly truncated.

Response

Re-create all user-defined filters. If possible, refer to the backup copy of the filters file to obtain information.

AMQ4476

The WMQ_Sets.xml file used to save sets was found to be in an invalid format. A backup copy of this file was made: <insert_0>. All sets must be re-created.

Severity

10: Warning

Explanation

WebSphere MQ Explorer was unable to process the WMQ_Sets.xml file as it had an invalid format. It was possibly truncated.

Response

Re-create all sets as necessary. If possible, refer to the backup copy of the sets file that was created to obtain information.

AMQ4477

The topic string supplied is invalid.

Severity

10: Warning

Explanation

A topic string was missing or contained invalid characters.

Response

Ensure a topic string has been defined or that there are no invalid characters in the topic string.

AMQ4478

The publication could not be retained.

Severity

10: Warning

Explanation

An attempt was made to publish a message on a topic, using the MQPMO_RETAIN option, but the publication could not be retained. The publication was not published to any matching subscribers. Retained publications are stored on the SYSTEM.RETAINED.PUB.QUEUE. Possible reasons for failure include the queue being full, the queue being 'put' inhibited, or the queue not existing.

Response

Ensure that the SYSTEM.RETAINED.PUB.QUEUE queue is available for use by the application.

AMQ4479

An MQOPEN or MQPUT1 call was issued, specifying an alias queue as the target, but the BaseObjectName in the alias queue attributes was not recognized as a queue or topic name.

Severity

20: Error

Explanation

This error can also occur when BaseObjectName is the name of a cluster queue that cannot be resolved successfully.

Response

Correct the queue definitions.

AMQ4480

An MQOPEN or MQPUT1 call was issued, specifying an alias queue as the target, but the BaseObjectName in the alias queue definition resolves to a queue that is not a local queue, or local definition of a remote queue.

Severity

20: Error

Response

Correct the queue definitions.

AMQ4481

An error occurred when unsubscribing from the topic. The operation failed with reason code *<insert_0>*.

Severity

20: Error

Response

Use the reason code to determine the underlying reason for the failure.

AMQ4482

An error occurred when obtaining a publication. The operation failed with reason code *<insert_0>*.

Severity

20: Error

Explanation

An error occurred when performing a get operation for the subscribed topic. The topic was automatically unsubscribed.

Response

Use the reason code to determine the underlying reason for the failure.

AMQ4483

An error occurred when publishing a message on the topic. The operation failed with reason code *<insert_0>*.

Severity

20: Error

Response

Use the reason code to determine the underlying reason for the failure.

AMQ4484

An error occurred when obtaining the topic string for a publication. The operation failed with reason code *<insert_0>*.

Severity

20: Error

Explanation

The topic was automatically unsubscribed.

Response

Use the reason code to determine the underlying reason for the failure.

AMQ4485

This action removes the retained publication from the topic string *<insert_0>* on the selected queue manager only.

Are you sure you want to clear the retained publication?

Severity

10: Warning

Explanation

A confirmation is required before the retained publication is cleared.

Response

Continue only if you want to permanently clear the retained publication on this topic string.

AMQ4486

The retained publication on the topic string *<insert_0>* has been successfully cleared.

Severity

0: Information

Response

Message for information only.

AMQ4487

Error initialising <insert_0>.

Severity

30: Severe error

Explanation

An error occurred while starting this application.

Response

Check that the WebSphere MQ runtime libraries are available and the PATH system environment variable includes the directory for these runtime libraries.)

AMQ4488

Unable to locate a Web browser, product documentation, or IBM Eclipse Help System to display the help.

Severity

10: Warning

Explanation

To launch the help system, the Web browser or product documentation or IBM Eclipse Help System must be included in the PATH system environment variable.

Response

Install the product documentation or IBM Eclipse Help System or set the available Web browser on the system path. Re-launch the application and try again.

AMQ4489

Error launching the IBM Eclipse Help System.

Severity

10: Warning

Explanation

The application failed to create an instance of the IBM Eclipse Help System.

Response

Check that the IBM Eclipse Help System has been installed.

AMQ4490

Error starting the IBM Eclipse Help System.

Severity

10: Warning

Explanation

The application failed to start the IBM Eclipse Help System.

Response

Check that the IBM Eclipse Help System has been installed.

AMQ4491

Error launching the help system with a Web browser.

Severity

10: Warning

Explanation

The application failed to launch the help system through a Web browser.

Response

Check that the Web browser specified in the system path is working.

AMQ4492

Error launching the help system with IBM Eclipse Help System.

Severity

10: Warning

Explanation

The application failed to launch the help system through IBM Eclipse Help System.

Response

Check that the IBM Eclipse Help System has been installed.

AMQ4493

The help documentation is not available on the system.

Severity

10: Warning

Explanation

The application failed to locate the help documentation on the system.

Response

Check that the available help documentation for WebSphere MQ is installed.

AMQ4494

Unable to locate a Web browser in the system path.

Severity

10: Warning

Explanation

The application failed to locate a Web browsers in the system path.

Response

Check that a suitable Web browser is specified in the system path.

AMQ4495

This action resynchronizes all the proxy subscriptions with all other directly connected queue managers in all clusters and hierarchies in which this queue manager is participating.

Are you sure you want to continue with this action?

Severity

10: Warning

Explanation

This should only be used if the queue manager is receiving proxy subscriptions that it should not be, or is not receiving proxy subscriptions that it should be.

Missing proxy subscriptions can be observed if the closest matching Topic definition has been specified with Publication scope or Subscription scope set to Queue Manager, or if it has an empty or incorrect Cluster name.

Extraneous proxy subscriptions can be observed if the closest matching Topic definition has been specified with Proxy subscription behavior set to Force.

Response

Check the Topic definitions before resynchronizing the proxy subscriptions.

AMQ4496

The request to refresh the proxy subscriptions was accepted by WebSphere MQ.

Severity

0: Information

Response

Message for information only.

AMQ4497

The topic string has already been specified for another topic. Enter a different topic string.

Severity

10: Warning

Response

Enter a different topic string.

AMQ4498

This action removes the retained publication from the topic string *<insert_0>* on all queue managers connected in the Publish/Subscribe cluster.

Are you sure you want to clear the retained publication?

Severity

10: Warning

Explanation

A confirmation is required before the retained publication is cleared.

Response

Continue only if you want to permanently clear the retained publication on this topic string.

AMQ4499

The queue attribute for the JMS queue *<insert_0>* is empty. A queue name needs to be entered before mapping the JMS queue to an MQ queue.

Severity

10: Warning

Explanation

The user has not entered a queue name for the JMS Queue and therefore an MQ Queue cannot be created.

Response

Enter a value for the queue attribute on the JMS Queue and then try to create the MQ Queue again.

AMQ4500

Are you sure that you want to forcibly remove queue manager *<insert_0>* from cluster *<insert_1>*?

Severity

10: Warning

Explanation

You should only forcibly remove a queue manager from a cluster when it has already been deleted and cannot be removed from the cluster in the normal way. A confirmation is required before the queue manager is forcibly removed.

Response

Continue only if you want to forcibly remove the queue manager.

AMQ4501

The queue manager was successfully removed from the cluster. This might take some time to be reflected in the WebSphere MQ Explorer.

Severity

0: Information

Explanation

The queue manager will still appear as a member of the cluster until the configuration changes have been sent across the network and the cluster channels to the queue manager have become inactive. This might take a long time.

AMQ4502

You have shared the queue in cluster *<insert_0>*. The queue manager is not a member of this cluster.

Severity

10: Warning

Response

To make the queue available to the members of this cluster, you must join the queue manager to the cluster.

AMQ4503

The list of values is too long.

Severity

10: Warning

Explanation

The list of values that you have entered is too long. The maximum number of characters allowed for this value is *<insert_0>*.

AMQ4504

The value is too long.

Severity

10: Warning

Explanation

You have entered a value containing too many characters. The maximum number of characters allowed for each value of this attribute is *<insert_0>*.

AMQ4505

There are too many entries in the list.

Severity

10: Warning

Explanation

You have entered too many values in the list. The maximum number of values is *<insert_0>*.

AMQ4506

Cannot connect to queue manager *<insert_0>*. It cannot be removed from the cluster in the normal way.

Severity

10: Warning

Response

Try the operation again when the queue manager is available. If the queue manager no longer exists, you can choose to forcibly remove the queue manager from the cluster.

AMQ4507

The remote queue manager is not using TCP/IP.

Severity

10: Warning

Explanation

The connection information available for the remote queue manager uses a communication protocol other than TCP/IP. The WebSphere MQ Explorer cannot connect to the queue manager to remove it from the cluster in the normal way.

Response

If the queue manager no longer exists, you can choose to forcibly remove the queue manager from the cluster.

AMQ4508

The queue manager successfully left the cluster.

Severity

0: Information

Explanation

The queue manager will still appear as a member of the cluster until the configuration changes have been sent across the network and the cluster channels to the queue manager have become inactive. This might take a long time.

AMQ4509

The request to suspend membership of the cluster has been accepted.

Severity

0: Information

Response

Message for information only.

AMQ4510

The request to resume membership of the cluster has been accepted.

Severity

0: Information

Response

Message for information only.

AMQ4511

The queue manager is not a member of the cluster.

Severity

0: Information

Response

Message for information only.

AMQ4512

An error occurred while performing a cluster operation. The operation failed with error <insert_0>.

Severity

0: Information

Response

Message for information only.

AMQ4513

The request to refresh the information about the cluster has been accepted.

Severity

0: Information

Response

Message for information only.

AMQ4514

The queue manager is not a member of cluster <insert_0>.

Severity

10: Warning

Explanation

The object that you have shared in the cluster will not be available to other members of the cluster until you make this queue manager a member of the cluster.

AMQ4515

The repository queue manager for cluster <insert_0> is not available for connection.

Severity

10: Warning

Explanation

Views showing cluster queues in this cluster might not be complete.

AMQ4516

Cluster workload exit error.

Severity

10: Warning

Explanation

The queue manager's cluster workload exit failed unexpectedly or did not respond in time.

AMQ4517

Cluster resolution error.

Severity

10: Warning

Explanation

The definition of the cluster queue could not be resolved correctly because a response from a repository queue manager was not available.

AMQ4518

AMQ4518=A call was stopped by the cluster exit.

Severity

10: Warning

Explanation

The queue manager's cluster workload exit rejected a call to open or put a message onto a cluster queue.

AMQ4519

No destinations are available.

Severity

10: Warning

Explanation

At the time that the message was put, there were no longer any instances of the queue in the cluster.

AMQ4520

The WebSphere MQ Explorer could not initialize TCP/IP. Administration of remote queue managers and clusters is not possible.

Severity

10: Warning

AMQ4521

The text you entered contained a comma (,) which is used as a list separator character.

Severity

10: Warning

Explanation

This value does not accept lists.

Response

If you want to use a comma as part of a value, enclose the value in double quotation marks.

AMQ4522

The wizard was unable to add the queue manager to the cluster.

All changes will be rolled back.

Severity

10: Warning

Explanation

A problem occurred while defining objects or modifying the queue manager's properties.

Response

Ensure that the default objects exist for the queue manager.

AMQ4523

The wizard was unable to add one of the queue managers to the cluster.

All changes will be rolled back.

Severity

10: Warning

Explanation

A problem occurred while defining objects or modifying one of the queue managers' properties.

Response

Ensure that the default objects exist for the queue manager.

AMQ4524

The queue manager <insert_0> is the source repository in cluster <insert_1>. Removing this queue manager from the cluster prevents further repository actions from being run. To enable repository actions again, re-select another queue manager as the source of information. Are you sure that you want to remove this queue manager?

Severity

10: Warning

Explanation

To be able to display cluster information, the clustering component of the WebSphere MQ Explorer requires at least one full repository to be selected as the source. Removing the last full repository prevents the display of cluster members, and hence will prevent cluster actions being run on these full repositories.

Response

Select Yes if you want to remove the source repository, even though it will prevent access to remaining cluster information.

AMQ4525

Cluster workload exit load error.

Severity

10: Warning

Explanation

The queue manager's cluster workload exit failed to load.

Response

Check that the cluster workload exit exists and the name has been specified correctly.

AMQ4526

During the import further plug-ins were enabled. Do you want to import their settings?

Severity

0: Information

Explanation

The import file contains settings for the plug-ins enabled during the import.

Response

Select Yes to import the settings.

AMQ4527

Default Configuration is already running.

Severity

10: Warning

Explanation

There is an instance of default configuration already running on the system.

Response

Use the previously launched default configuration application. If you fail to get the previous default configuration dialog, stop the JVM running the application and try re-launching the application.

AMQ4528

The file selected does not contain any import settings.

Severity

20: Error

Response

Select another file and try again.

AMQ4529

Put message failed. The page set ID specified for the storage class defined for this queue is not valid.

Severity

20: Error

Explanation

The MQPUT or MQPUT1 call was issued, but the page set id specified in the storage class object defined for the queue is not valid.

Response

Correct the page set ID value in the storage class definition used by this queue and try again. If the error persists contact your System Administrator.

AMQ4530

The request to create and start a new z/OS listener was accepted.

Severity

0: Information

Explanation

A user request to create the listener was accepted by WebSphere MQ.

Response

Message for information only.

AMQ4531

The subscription is in use.

Severity

20: Error

Explanation

An attempt was made to delete or change a subscription in use.

Response

Ensure that the subscription is not in use and try again.

AMQ4547**Severity**

20: Error

Explanation

Unable to load system libraries as the java.library.path and the native library path reference different installations.

Response

Ensure that the native library path (LD_LIBRARY_PATH, LIBPATH, or SHLIB_PATH) is set correctly.

AMQ4548**Severity**

20: Error

Explanation

MQ Explorer encountered a problem with the system browser when trying to display the web page.

Response

Ensure that a browser is available to display the web page. If symptoms persist, contact your System Administrator.

AMQ4549

An unexpected error occurred copying settings from workspace <insert_0>.

Severity

10: Warning

Explanation

Some files or preferences could not be copied from the previous workspace.

Response

Ensure that the Eclipse workspace exists at the specified location and can be read.

AMQ4570

The requested application is either not installed or could not be launched.

Severity

20: Error

Response

Check that the corresponding product feature has been installed successfully. If symptoms persist contact your System Administrator.

AMQ4571

Are you sure that you want to change the location of the Key Repository for queue manager <insert_0>?

Severity

10: Warning

Explanation

You might prevent the queue manager from starting if you change the Key Repository field to a location which is not valid.

Response

Ensure that the location specified is correct before continuing.

AMQ4572

The request to refresh the information about all clusters has been accepted.

Severity

0: Information

Response

Message for information only.

AMQ4573

A queue manager has not been entered in the <insert_0> field on the <insert_1> page. A value must be entered in this field before the Select button can be used to set the <insert_2> field. Note that this value can also be entered manually.

Severity

20: Error

Explanation

WebSphere MQ Explorer needs to know exactly which queue manager to query to populate the object selection dialog.

Response

Enter a valid value into the appropriate field

AMQ4574

IBM WebSphere Explorer is already running.

Severity

30: Severe error

AMQ4575

An error occurred initializing the data model.

Severity

30: Severe error

AMQ4576

The working directory <insert_0> is not valid.

Severity

30: Severe error

AMQ4577

An error occurred initializing the process.

Severity

30: Severe error

AMQ4578

An error occurred loading the messages file <insert_0>.

Severity

30: Severe error

AMQ4579

An error occurred loading the system libraries.

Severity

30: Severe error

AMQ4580

An internal method detected an unexpected system return code. The method *<insert_0>* returned *<insert_1>*.

Severity

30: Severe error

Response

Examine the problem determination information on this computer to establish the cause of the error.

AMQ4581

Parameter check failed on the internal function *<insert_0>*. The error was *<insert_1>*.

Severity

30: Severe error

Response

Examine the problem determination information on this computer to establish the cause of the error.

AMQ4582

Queue manager *<insert_0>* is not available for client connection.

Severity

30: Severe error

Response

Ensure the queue manager is running and is configured to accept remote connections.

AMQ4583

Queue manager *<insert_0>* is not available for connection.

Severity

30: Severe error

Response

Ensure the queue manager is running.

AMQ4584

Queue manager *<insert_0>* is not available for cluster connection.

Severity

30: Severe error

Response

Ensure that the queue manager is running. If the queue manager has been deleted it might continue to be displayed as a member of a cluster for up to 30 days.

AMQ4585

An internal method *<insert_0>* encountered an unexpected error.

Severity

30: Severe error

Response

Examine the problem determination information on this computer to establish the cause of the error.

AMQ4586

The attempt to create the URL for file *<insert_0>* failed.

Severity

30: Severe error

Explanation

The file name specified was not recognized.

Response

Ensure that the file exists at the specified location and can be read.

AMQ4587

The attempt to read from URL *<insert_0>* failed.

Severity

30: Severe error

Explanation

There was an error when the system tried to read the Client channel definition table.

Response

Ensure that the file exists at the specified location and can be read.

AMQ4588

The attempt to read from URL *<insert_0>* failed.

Severity

30: Severe error

Explanation

There was an error when the system tried to read the file.

Response

Ensure that the file exists at the specified location and can be read.

AMQ4589

No connection was found to application *<insert_0>*.

Severity

10: Warning

Explanation

The connection was not found. Possibly the connection was closed before the command was issued.

Response

Check that the application connection has not been closed in the background.

AMQ4590

The queue manager connection to application *<insert_0>* could not be closed.

Severity

20: Error

Explanation

The connection could not be closed due to a PCF error.

Response

Check for FFSTs.

AMQ4591

The command server for *<insert_0>* is not running.

Severity

30: Severe error

Explanation

The command server has stopped for some reason, so the request cannot be processed.

Response

Start the command server. If the error persists, examine the problem determination information to see if any details have been recorded.

AMQ4592

The connection was closed successfully.

Severity

0: Information

Explanation

The request to close the connection to an application was successful.

Response

Message for information only.

AMQ4593

Do you really want to stop the connection to application *<insert_0>*

Severity

0: Information

Explanation

WebSphere MQ explorer is about to stop a connection, stopping the connection will prevent further communication between MQ and the application in question.

Response

Select yes if you want to stop the connection.

AMQ4594

The queue manager connection to application *<insert_0>* has not been closed.

Severity

0: Information

Explanation

Certain WebSphere MQ queue manager processes cannot be stopped.

Response

Message for information only.

AMQ4595

No response was received to the request to close the connection to application *<insert_0>*.

Severity

30: Severe error

Explanation

The command server might no longer be running.

Response

If the error persists, examine the problem determination information to see if any details have been recorded.

AMQ4596

Key store file *<insert_0>* cannot be found.

Severity

10: Warning

Explanation

The SSL key store or trust store does not exist.

Response

Create a new store file or change the connection property. Then try the request again.

AMQ4597

No certificates were loaded from key store file *<insert_0>*.

Severity

10: Warning

Explanation

The SSL key store or trust store does not contain any certificates.

Response

Add the appropriate certificates to the key store file. Then try the request again.

AMQ4598

Key store file *<insert_0>* could not be opened with the given password.

Severity

10: Warning

Explanation

The SSL key store or trust store could not be opened.

Response

Change the password. Then try the request again.

AMQ4599

Changing the FIPS required setting will affect all client connections using SSL and requires the WebSphere MQ Explorer to be restarted. Are you sure that you want to restart the WebSphere MQ Explorer now ?

Severity

10: Warning

Explanation

The FIPS required value is an application-wide setting and can only be changed from the Preferences page. All client connections using SSL will be affected by this setting.

Response

Restart the WebSphere MQ Explorer to apply this change.

AMQ4600

The password store <insert_0> could not be opened using the given key.

Severity

10: Warning

Explanation

The specified password store file cannot be opened.

Response

Make sure the password store file exists. Enter a different key and try again.

AMQ4601

Do you want to copy entries from the old password store to the new one?

Severity

10: Warning

Explanation

The user has changed the name of the password store file.

Response

Click Yes to copy entries to the new file.

AMQ4602

Unable to validate the given key for password store <insert_0>.

Severity

10: Warning

Explanation

The password store cannot be opened with the specified key.

Response

Enter a different key and try the operation again.

AMQ4603

Invalid password store <insert_0>.

Severity

10: Warning

Explanation

The file name is the name of a directory.

Response

Enter a valid file name.

AMQ4604

Password store <insert_0> is read-only.

Severity

10: Warning

Explanation

WebSphere MQ Explorer only has read access to the file name.

Response

Specify the name of a file that has both read and write access.

AMQ4605

Format of password store <insert_0> is unknown.

Severity

10: Warning

Explanation

The contents of the password store file is unknown. This may be an existing XML file which has not been created as a password store or a non-XML file.

Response

Specify an existing password store file name or specify a new XML file.

AMQ4606

Password store <insert_0> was not opened.

Severity

10: Warning

Explanation

The user chose not to open the password store.

Response

Restart the WebSphere MQ Explorer to open the password store or use the Password preference page.

AMQ4607

Queue manager has been disabled for Publish/Subscribe operations.

Severity

10: Warning

Explanation

An error occurred trying to perform a publish or subscribe operation.

Response

Change the PSMODE attribute on the queue manager to enable Publish/Subscribe operations.

AMQ4608

The specified destination does not exist.

Severity

30: Severe error

Explanation

An error occurred trying to create a new subscription.

Response

Change the destination name and try again.

AMQ4609

The listener was started.

Severity

0: Information

Explanation

The request to start a listener was successful.

Response

Message for information only.

AMQ4610

Invalid connection name.

Severity

10: Warning

Explanation

The connection name in the channel definition could not be resolved into a network address. Either the name server does not contain the entry, or the name server was not available.

Response

Ensure that the connection name is correctly specified and that the name server is available.

AMQ4611

Applying these changes will disconnect the queue manager and reconnect with the new details. Do you want to continue?

Severity

0: Information

Explanation

Connection details have been changed to a connected queue manager. Without reconnecting, the current connection details cannot be seen.

Response

Select yes to continue or no to cancel the changes.

AMQ4616

A newer command level has been found when connecting to *<insert_0>*. The old level is *<insert_1>* and the new level is *<insert_2>*. The connection to the queue manager will be replaced.

Severity

0: Information

Explanation

A previous connection to this queue manager has been successful; the queue manager is the same but the command level is now higher. The version of WebSphere MQ has been changed.

Response

Message for information only.

AMQ4620

Channel Authentication Record already exists.

Severity

20: Error

Explanation

An attempt was made to add a Channel Authentication Record, but it already exists.

Response

Use the properties panel to change an existing record.

AMQ4621

Channel Authentication Record not found.

Severity

20: Error

Explanation

The specified channel authentication record does not exist.

Response

Specify a channel authentication record that exists.

AMQ4622

A Channel Authentication Record contained an IP address with a range that conflicted with an existing range.

Severity

20: Error

Explanation

A range must be a complete superset or subset of any existing ranges for the same channel profile name.

Response

Specify a range that is a superset or a subset of existing ranges.

AMQ4623

The maximum number of Channel Authentication Records has been exceeded.

Severity

20: Error

Explanation

A Channel Authentication Record was set taking the total number of entries for that type on a single channel profile, over the maximum number allowed.

Response

Remove some Channel Authentication Records to make room.

AMQ4624

A Channel Authentication Record contained an invalid IP address.

Severity

20: Error

Explanation

A Channel Authentication Record contained an invalid IP address, or invalid wildcard pattern to match against IP addresses.

Response

Specify a valid IP address.

AMQ4625

A Channel Authentication Record contained an invalid IP address range.

Severity

20: Error

Explanation

A Channel Authentication Record contained an IP address with a range that was invalid, for example, the lower number is higher or equal to the upper number of the range.

Response

Specify a valid range in the IP address.

AMQ4626

The Channel Authentication Record client user value is not valid.

Severity

20: Error

Explanation

The client user value contains a wildcard character which is not allowed.

Response

Specify a valid value for the client user field.

AMQ4627

Channel authentication profile name is invalid.

Severity

20: Error

Explanation

The channel profile name used in the command was not valid. This might be because it contained characters which are not accepted names, or characters which are not valid for the specified profile type.

Response

Specify a valid value for the channel authentication profile name.

AMQ4700

PCF command identifier (<insert_0>) not valid for queue manager <insert_1>.

Severity

10: Warning

Explanation

The specified PCF command is not supported by this queue manager.

AMQ4701

The command level of the queue manager does not support the requested version of the command.

Severity

10: Warning

Explanation

There is a mismatch between the command requested and the command level supported by the queue manager. This might be because an intermediate queue manager is being used which is of a lower command level than the remote queue manager.

Response

Ensure that the intermediate queue manager is at the same or higher command level than the queue manager it is being used to connect to. If necessary, reconnect to the queue manager using a different intermediate queue manager.

AMQ4702

The current filter not supported for queue manager <insert_0>.

Severity

10: Warning

Explanation

The filter being applied to this view is not supported by this queue manager.

Response

Ensure that the filter settings are supported by the queue manager.

AMQ4766

Setup needs to install or upgrade this computer to version 2.0 of Microsoft Windows Installer. (MSI).

Explanation

After the upgrade you might need to reboot.

Response

Select Yes or No to Proceed.

AMQ4800

Error initializing <insert_0>.

Severity

30: Severe error

Explanation

An error occurred while starting this application.

Response

Check that the WebSphere MQ runtime libraries are available.

Check that the PATH system environment variable includes the directory for these runtime libraries.)

AMQ4807

The message size specified (<insert_0>) is outside the permitted range.

Severity

10: Warning

Response

Specify a value of 1000 to 100 000 000.

AMQ4808

Unknown <insert_0> <insert_1>.

Severity

10: Warning

Explanation

The named entity for the particular type is not defined on the system.

Response

Make sure the entity is defined and it matches the type of entity.

AMQ4809

You are about to delete the authority for <insert_0> to <insert_1>. Are you sure that you want to continue?

Severity

10: Warning

Explanation

You must confirm that you want to delete the specified authority. The entity name and object name are provided in the message.

Response

Continue only if you want to permanently delete the authority.

AMQ4810

The authority for <insert_0> to <insert_1> was deleted successfully.

Severity

0: Information

Response

Message for information only.

AMQ4811

The authority was created successfully.

Severity

0: Information

Response

Message for information only.

AMQ4812

You are about to delete all create authorities for <insert_0>. Are you sure that you want to continue?

Severity

10: Warning

Explanation

You must confirm that you want to delete the specified authority. The entity name is provided in the message.

Response

Continue only if you want to permanently delete the authority.

AMQ4813

You are about to refresh SSL security for <insert_0>. This might affect the running status of active channels. Are you sure that you want to continue?

Severity

10: Warning

Explanation

A confirmation is required before the refresh command is issued. Certain active channel types might be stopped as a result of this command. The queue manager name is provided in the message.

Response

Continue only if you want to refresh SSL security.

AMQ4814

The command server is not allowing security requests.

Severity

10: Warning

Explanation

The command server has been started with the "-a" option which blocks security related PCFs.

Response

Restart the command server without using the "-a" option.

AMQ4815

You are about to add authority for a non-generic profile name *<insert_0>*. Are you sure that you want to continue?

Severity

10: Warning

Explanation

You chose to add authorities for a generic profile name, but entered the name for a specific profile.

Response

Continue if you want to add authority for a specific profile name.

AMQ4816

The list of authorizations held internally by the authorization services component will be refreshed. Are you sure that you want to continue?

Severity

10: Warning

Explanation

A confirmation is required before the refresh command is issued.

Response

Continue only if you want to refresh authorization service component security.

AMQ4817

The in-storage profiles for the requested resources will be refreshed. Are you sure that you want to continue?

Severity

10: Warning

Explanation

A confirmation is required before the refresh command is issued to the WebSphere MQ in-storage ESM (External Security Manager).

Response

Continue only if you want to refresh the ESM.

AMQ4818

No authority records were found.

Severity

10: Warning

Explanation

There are no authority records matching the specific request.

Response

Change the entity or profile name and try again.

AMQ4819

Unable to write to file *<insert_0>*.

Severity

10: Warning

Explanation

You do not have write access to the file name.

Response

Check that your userid has write access to the file name.

AMQ4820

A file called *<insert_0>* already exists. Do you want to replace this file?

Severity

0: Information

Response

Confirm that you want to replace the file.

AMQ4821

This action replaces an existing authority record. Are you sure that you want to continue?

Severity

0: Information

Explanation

An explicit authority record already exists for this entity. Creating a new authority record replaces the existing authority record.

Response

Continue only if you want replace the existing authority record.

AMQ4822

You must enter a specific profile name when using an entity name.

Severity

0: Information

Response

Enter a specific profile name.

AMQ4823

Profile *<insert_0>* does not exist.

Severity

0: Information

Explanation

The profile name entered by the user does not exist for the type of object.

Response

Change the name of the profile or use the select button and try again.

AMQ4824

Invalid profile name *<insert_0>*.

Severity

0: Information

Explanation

The generic profile name entered by the user is not allowed.

Response

Change the name of the profile to match the supported wildcard characters and try again.

AMQ4825

The security exit class *<insert_0>* is invalid or cannot be found.

Severity

10: Warning

Response

Ensure that the security exit class is available and that it implements the `com.ibm.mq.MQSecurityExit` interface.

AMQ4826

There is a security profile case conflict.

Severity

10: Warning

Explanation

The security profile case attribute of the queue manager is different from that issued on the refresh command.

Response

Change the security profile case attribute of the queue manager or of the class specified on the refresh command.

AMQ4830

You are about to add authority for a generic profile name "<insert_0>". Are you sure that you want to continue?

Severity

10: Warning

Explanation

You chose to add authorities for a specific profile name, but entered the name for a generic profile.

Response

Continue if you want to add authority for a generic profile name.

AMQ4850

Further tests cannot be run because the WebSphere MQ Explorer Test Plug-in is currently in use.

Severity

10: Warning

Explanation

You must either cancel these tests or wait for them to complete before initiating further tests.

Response

Either stop the current tests using the progress view, or wait until the current tests are completed.

AMQ4851

There are no tests available to run.

Severity

0: Information

Explanation

The configuration used to launch these tests has no tests selected, this could be because no tests are selected, or there are no appropriate tests available.

Response

Try a different configuration which has tests enabled, or try testing from a different point to ensure that there are appropriate tests available.

AMQ4852

WebSphere MQ Explorer Test Plug-in initialization error.

Severity

20: Error

Explanation

An error has occurred during initialization of the a Tests Plug-in. This might cause problems with running tests.

Response

Examine the problem determination information to see if any details have been recorded.

AMQ4853

The test cannot be disabled because no configurations currently have this test enabled.

Severity

0: Information

Response

No further action is required; the test is already disabled.

AMQ4854

Finished running <insert_0> tests.

Severity

0: Information

Explanation

The requested test run is complete, and the number of tests specified have been run. This message can be disabled from the Tests plug-in preferences.

Response

No further action is required; the test run has finished

AMQ4855

The test run was canceled.

Severity

0: Information

Explanation

The requested test run was canceled as the result of a user request. This message can be disabled from the Tests plug-in preferences.

Response

Message for information only.

AMQ4856

Are you sure that you want to clear the subscription named <insert_0>?

For a managed destination, messages already queued to the destination will be deleted.

Severity

10: Warning

Explanation

A confirmation is required before the subscription is cleared.

Response

Continue only if you want to clear the subscription.

AMQ4857

The Subscription was cleared.

Severity

0: Information

Explanation

The subscription was cleared to a well defined state. For a managed destination any messages already queued to the destination were deleted.

Response

Message for information only.

AMQ4858

A parameter change has been detected.

Severity

0: Information

Explanation

A parameter has been changed without using the WebSphere MQ Explorer.

Response

Refresh the WebSphere MQ Explorer view and try the operation again.

AMQ4859

The requested function is not available.

Severity

0: Information

Explanation

WebSphere MQ Explorer was not able to carry out the function requested.

Response

Try again. If symptoms persist contact your System Administrator.

AMQ4860

The queue manager is running in standby mode.

Severity

0: Information

Explanation

The queue manager has been started in standby mode.

AMQ4861

WebSphere MQ cannot stop the listener because the listener is already stopped.

Severity

10: Warning

AMQ4862

The default remote administration listener LISTENER.TCP could not be deleted.

Severity

10: Warning

Explanation

A problem has occurred trying to delete the listener.

Response

Check that the listener has been stopped or that it has not already been deleted.

AMQ4863

The property *<insert_0>* has not been prefixed correctly.

Severity

20: Error

Explanation

Service definition destination names must be prefixed with 'msg/queue/' for queues, or 'msg/topic/' for topics.

Response

Prefix the destination name with the relevant prefix.

AMQ4864

The property *<insert_0>* is not the correct length.

Severity

20: Error

Explanation

Queue names cannot exceed 48 characters.

Response

Check that the name of the queue is correct.

AMQ4865

The property *<insert_0>* does not contain a destination name.

Severity

20: Error

Explanation

The value entered does not include the name of a destination.

Response

Enter the name of a valid destination. Service definition destination names must be prefixed with 'msg/queue/' for queues, or 'msg/topic/' for topics.

AMQ4866

The property *<insert_0>* is not a valid URI format.

Severity

20: Error

Explanation

Only valid URIs can be specified for this property.

Response

Check that the value entered is in a valid URI syntax.

AMQ4867

The property *<insert_0>* on page *<insert_1>* is not a valid URI format.

Severity

20: Error

Explanation

Only valid URIs can be specified for this property.

Response

Check that the value entered is in a valid URI syntax.

AMQ4868

An unexpected error has occurred.

Severity

20: Error

Explanation

An unexpected error has occurred.

Response

Contact your system administrator.

AMQ4869

The export location *<insert_0>* already exists. Do you want to overwrite the existing files?

Severity

10: Warning

Explanation

The export location already exists. If you continue, existing files may be overwritten.

Response

Confirm that you want you overwrite files at the chosen export location.

AMQ4870

Could not establish a connection to the queue manager. Channel not available.

Severity

10: Warning

Explanation

The attempt to connect to the queue manager failed. See reason code MQRC_CHANNEL_NOT_AVAILABLE for more information.

Response

Examine the queue manager and client error logs for messages explaining the cause of the problem.

AMQ4871

Could not establish a connection to the queue manager. Channel name not recognized.

Severity

10: Warning

Explanation

The attempt to connect to the queue manager failed. The queue manager did not recognize the channel name.

Response

Use a different channel name and try again.

AMQ4999

An unexpected error (<insert_0>) has occurred.

Severity

10: Warning

Explanation

An unlisted error has occurred in the system while retrieving PCF data.

Response

Try the operation again. If the error persists, examine the problem determination information to see if any details have been recorded.

AMQ5000-5999: Installable services**AMQ5005**

Unexpected error

Severity

20 : Error

Explanation

An unexpected error occurred in an internal function of the product.

Response

Save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ5006

Unexpected error: rc = <insert_1>

Severity

20 : Error

Explanation

An unexpected error occurred in an internal function of the product.

Response

Save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ5008

An essential IBM WebSphere MQ process <insert_1> (<insert_3>) cannot be found and is assumed to be terminated.

Severity

40 : Stop Error

Explanation

1) A user has inadvertently terminated the process. 2) The system is low on resources. Some operating systems terminate processes to free resources. If your system is low on resources, it is possible it has terminated the process so that a new process can be created.

Response

IBM WebSphere MQ will stop all MQ processes. Inform your systems administrator. When the problem is rectified IBM WebSphere MQ can be restarted.

AMQ5009

IBM WebSphere MQ agent process <insert_1> has terminated unexpectedly.

Severity

40 : Stop Error

Explanation

IBM WebSphere MQ has detected that an agent process has terminated unexpectedly. The queue manager connection(s) that this process is responsible for will be broken.

Response

Try to eliminate the following reasons before taking any further action:

- 1) A user has inadvertently terminated the process.
- 2) The system is low on resources. Some operating systems terminate processes to free resources. If your system is low on resources, it is possible that the operating system has terminated the process so that a new process can be created. If you believe the problem is not a result of the above reasons, save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ5010

The system is restarting the WorkLoad Management Server process.

Severity

10 : Warning

Explanation

The system has detected that the WorkLoad Management server process (amqzlw0, pid:<insert_1>) has stopped and is restarting it.

Response

Save the generated output files which may indicate the reason why the WorkLoad Management process stopped. If the reason the WorkLoad Management Server process stopped is a problem in a WorkLoad Management user exit, correct the problem, otherwise use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ5011

The Queue Manager ended for reason <insert_1> <insert_3>

Severity

10 : Warning

Explanation

The Queue Manager ended because of a previous error <insert_1> or <insert_3>

Response

This message should be preceded by a message or FFST information from the internal routine that detected the error. Take the action associated with the earlier error information.

AMQ5019

Unable to access program <insert_3>.

Severity

40 : Stop Error

Explanation

A request was made to execute the program <insert_3>, however the operation was unsuccessful because the program could not be found in the specified location.

Response

Check the definition of the service specifies the correct and full path to the program to run. If the path is correct then verify that the program exists in the specified location and that WebSphere MQ userid has permission to access it.

AMQ5020

Permission denied attempting to execute program <insert_3>.

Severity

40 : Stop Error

Explanation

A request was made to execute the program *<insert_3>*, however the operation was unsuccessful because the IBM WebSphere MQ operating environment has insufficient permissions to access the program file.

Response

Check the access permissions of the of the program to be executed and if necessary alter them to include execute permission for the IBM WebSphere MQ userId. Also check that the IBM WebSphere MQ userId has search access on all directories which compose the path to the program file.

AMQ5021

Unable to start program *<insert_3>*.

Severity

40 : Stop Error

Explanation

A request was made to execute the program *<insert_3>* however the operation was unsuccessful. Reasons for the failure may include

a shortage of available system resources

a problem with the program to be started

Response

If the problem persists then the IBM WebSphere MQ error logs should be consulted for further information related to this error. The Operating System error recording facilities should also be consulted for information relating to shortage of system resources.

AMQ5022

The Channel Initiator has started. ProcessId(*<insert_1>*).

Severity

0 : Information

Explanation

The Channel Initiator process has started.

Response

None.

AMQ5023

The Channel Initiator has ended. ProcessId(*<insert_1>*).

Severity

0 : Information

Explanation

The Channel Initiator process has ended.

Response

None.

AMQ5024

The Command Server has started. ProcessId(*<insert_1>*).

Severity

0 : Information

Explanation

The Command Server process has started.

Response

None.

AMQ5025

The Command Server has ended. ProcessId(*<insert_1>*).

Severity

0 : Information

Explanation

The Command Server process has ended.

Response

None.

AMQ5026

The Listener <insert_3> has started. ProcessId(<insert_1>).

Severity

0 : Information

Explanation

The Listener process has started.

Response

None.

AMQ5027

The Listener <insert_3> has ended. ProcessId(<insert_1>).

Severity

0 : Information

Explanation

The Listener process has ended.

Response

None.

AMQ5028

The Server <insert_3> has started. ProcessId(<insert_1>).

Severity

0 : Information

Explanation

The Server process has started.

Response

None.

AMQ5029

The Server <insert_3> has ended. ProcessId(<insert_1>).

Severity

0 : Information

Explanation

The Server process has ended.

Response

None.

AMQ5030

The Command <insert_3> has started. ProcessId(<insert_1>).

Severity

0 : Information

Explanation

The Command has started.

Response

None.

AMQ5032

Error (<insert_4>) accessing file <insert_3>.

Severity

40 : Stop Error

Explanation

While attempting to access the file <insert_3> the error <insert_4> occurred.

Response

Use the information contained in the error to locate and correct the cause of the failure.

AMQ5036

Error detected processing line <insert_1>, position <insert_2> in service environment file.

Severity

40 : Stop Error

Explanation

While processing the environment file <insert_3> an error was detected on line <insert_1> at position <insert_2>. Possible causes are

Variable name too long

Variable value too long

Incorrectly formed line. Lines must be in the format <name>=<value>. There should be no blank characters in name field. All characters following the '=' are part of the value field.

Response

This error will not stop the command from executing but any data on the invalid line is not processed.

AMQ5037

The Queue Manager task <insert_3> has started.

Severity

0 : Information

Explanation

The <insert_4> Utility Task Manager, processId(<insert_1>), has started the <insert_3> task. This task has now started <insert_2> times.

Response

None.

AMQ5038

The Queue Manager task <insert_3> failed to start with error-code <insert_1>.

Severity

40 : Stop Error

Explanation

The Utility Task Manager, attempted to start the task <insert_3> but the start request failed with error code <insert_1>.

Response

The failure to start the identified task may not be critical to queue-manager operation however all of the queue manager functionality may not be available. Further details of the failure are available in IBM WebSphere MQ error logs.

AMQ5041

The Queue Manager task <insert_3> has ended.

Severity

0 : Information

Explanation

The Queue Manager task <insert_3> has ended.

Response

None.

AMQ5042

Request to start <insert_3> failed.

Severity

40 : Stop Error

Explanation

The request to start the process <insert_3> failed.

Response

Consult the Queue Manager error logs for further details on the cause of the failure.

AMQ5043

Statistics recording is unavailable due to error code <insert_1>.

Severity

40 : Stop Error

Explanation

The statistics collection task was unable to start due the error code <insert_1>. Statistics collection will be unavailable until the problem is rectified and the Queue Manager is restarted.

Response

Consult the Queue Manager error logs for further details on the cause of the failure.

AMQ5044

<insert_3> task operation restricted due to Reason Code <insert_1>.

Severity

10 : Warning

Explanation

The <insert_3> task encountered a non-fatal error which may effect the operation of the task.

Response

Using the Reason Code <insert_1> and any previous messages recorded in the Error Logs correct the error. It may be necessary to restart the Queue Manager in order remove the restriction caused by the failure.

AMQ5045

System reconfiguration event received

Severity

0 : Information

Explanation

The Queue Manager received a system re-configuration event. This is likely to have been caused by an administrative change in the configuration of the machine (for example dynamically adding or removing resources such as memory or processors).

Response

No action is required unless this notification was unexpected.

AMQ5046

Automatic unmarking of messages is unavailable due to error code <insert_1>.

Severity

40 : Stop Error

Explanation

An error was encountered by the task that unmarks messages which have been marked for cooperative browse but have not been destructively got within the timeout period. The error code was <insert_1>. Automatic unmarking of messages will be unavailable until the problem is rectified and the queue manager is restarted.

Response

Consult the queue manager error logs for further details on the cause of the failure.

AMQ5049

The Queued Pubsub Daemon cannot be started/stopped due to error code <insert_1>.

Severity

40 : Stop Error

Explanation

An error was encountered by the task that starts and stops the queued pubsub daemon. The error code was *<insert_1>*. The daemon will be unable to be started or stopped until the problem is rectified and the queue manager is restarted.

Response

Consult the queue manager error logs for further details on the cause of the failure.

AMQ5050

An essential WebSphere MQ process *<insert_1>* (*<insert_3>*) cannot be found and is assumed to be terminated.

Severity

40 : Stop Error

Explanation

1) A user has inadvertently terminated the process. 2) The system is low on resources. Some operating systems terminate processes to free resources. If your system is low on resources, it is possible it has terminated the process so that a new process can be created. 3) MQ has encountered an unexpected error. Check for possible errors reported in the MQ error logs and for any FFSTs that have been generated.

Response

WebSphere MQ will attempt to restart the terminated process.

AMQ5051

The queue manager task *<insert_3>* has started.

Severity

0 : Information

Explanation

The critical utility task manager has started the *<insert_3>* task. This task has now started *<insert_2>* times.

Response

None.

AMQ5052

The queue manager task *<insert_3>* has started.

Severity

0 : Information

Explanation

The publish/subscribe utility task manager has started the *<insert_3>* task. This task has now started *<insert_2>* times.

Response

None.

AMQ5053

WebSphere MQ process *<insert_1>* (*<insert_3>*) cannot be found and is assumed to be terminated.

Severity

10 : Warning

Explanation

A queue manager process has terminated, the queue manager will continue to run but the functionality of the queue manager may be limited until the problem is resolved. Possible reasons for the termination are: 1) A user has inadvertently terminated the process. 2) The system is low on resources. Some operating systems terminate processes to free resources. 3) The process encountered an error.

Response

Check for earlier messages in the queue manager and system error logs that may indicate the problem. When the problem is rectified the queue manager will need to be restarted to restore the lost functionality.

AMQ5203

An error occurred calling the XA interface.

Severity

0 : Information

Explanation

The error number is *<insert_2>* where a value of

1 indicates the supplied flags value of *<insert_1>* was invalid,

2 indicates that there was an attempt to use threaded and non-threaded libraries in the same process,

3 indicates that there was an error with the supplied queue manager name *<insert_3>*,

4 indicates that the resource manager id of *<insert_1>* was invalid,

5 indicates that an attempt was made to use a second queue manager called *<insert_3>* when another queue manager was already connected,

6 indicates that the Transaction Manager has been called when the application is not connected to a queue manager,

7 indicates that the XA call was made while another call was in progress,

8 indicates that the xa_info string *<insert_3>* in the xa_open call contained an invalid parameter value for parameter name *<insert_4>*,

9 indicates that the xa_info string *<insert_3>* in the xa_open call is missing a required parameter, parameter name *<insert_4>*, and

10 indicates that MQ was called in dynamic registration mode but cannot find the ax_reg and ax_unreg functions ! Either call MQ in non-dynamic registration mode or supply the correct library name via the AXLIB parameter in the xa_open string.

Response

Correct the error and try the operation again.

AMQ5204

A non-threaded application tried to run as a Trusted application.

Severity

10 : Warning

Explanation

Only applications linked with the threaded MQ libraries can run as Trusted applications.

Response

Make sure that the application is relinked with the threaded MQ libraries, or set the environment variable MQ_CONNECT_TYPE to STANDARD.

AMQ5205

File or directory *<insert_3>* not owned by user *<insert_4>*.

Severity

10 : Warning

Explanation

IBM WebSphere MQ has detected that the file or directory *<insert_3>* is not owned by the user *<insert_4>*. This is not necessarily an error but you should investigate further if this is unexpected.

Response

If this is unexpected then you should alter the ownership of the file or directory back to the user *<insert_4>*.

If this is expected, then IBM WebSphere MQ will continue however WebSphere MQ will be unable to verify the security of this file or directory. If the access permissions are too strict then you may encounter problems if IBM WebSphere MQ cannot access the contents of the file or directory. If the access permissions are too relaxed then there may be an increased risk to the security of the IBM WebSphere MQ system.

AMQ5206

Duplicate parameters detected.

Severity

10 : Warning

Explanation

IBM WebSphere MQ has detected that the activity about to be displayed contains two or more parameters in the same group with the same parameter identifier. The activity may be displayed incorrectly.

Response

Inform the author of the activity that there may be an error in it.

AMQ5211

Maximum property name length exceeded.

Severity

10 : Warning

Explanation

IBM WebSphere MQ was in the process of parsing an MQRFH2 folder that is known to contain message properties. However, one of the elements in folder *<insert_3>* has a name which is longer than MQ_MAX_PROPERTY_NAME_LENGTH. The element name begins *<insert_4>*. The name of the parsed message property will be limited to the maximum number of characters which may cause inquiry of that property or selection of the message to fail.

Response

Reduce the size of the MQRFH2 element name or move the element into a folder which does not contain properties.

AMQ5358

IBM WebSphere MQ could not load AX support module *<insert_3>*.

Severity

20 : Error

Explanation

An error has occurred loading the AX support module *<insert_3>*. This module needs to be loaded so that dynamically-registering resource managers, such as Db2, can participate in global units of work.

Response

Look for a previous message outlining the reason for the load failure. Message AMQ6175 should have been issued if the load failed because of a system error. If this is the case then follow the guidance given in message AMQ6175 to resolve the problem. In the absence of prior messages or FFST information related to this problem check that the AX support module and the mqmax library have been correctly installed on your system.

AMQ5370

IBM WebSphere MQ client for HP Integrity NonStop Server (*<insert_1>*) enlisting with wrong TMF/Gateway.

Severity

10 : Warning

Explanation

An IBM WebSphere MQ client for HP Integrity NonStop Server, process (*<insert_1>*), connected to *<insert_3>* has incorrectly attempted to enlist with TMF/Gateway connected to *<insert_4>*.

Response

The configuration for the IBM WebSphere MQ client for HP Integrity NonStop Server is incorrect. Ensure the mqclient.ini TMF and TMFGateway stanza have been correctly configured to match the correct TMF/Gateway instances for the queue managers being used.

AMQ5371

TMF/Gateway shutting down due to TMF operator closing RM file *<insert_3>*.

Severity

20 : Error

Explanation

The TMF/Gateway is shutting down due to the TMF operator closing RM file <insert_3>.

Response

Contact the TMF administrator to determine why the RM file has been closed.

AMQ5372

TMF has shutdown.

Severity

10 : Warning

Explanation

TMF has shutdown. The TMF/Gateway for queue manager <insert_3> will reset and wait for TMF to become available before restarting operation.

Response

Contact the TMF administrator to determine why TMF has been shutdown.

AMQ5373

TMF not configured.

Severity

20 : Error

Explanation

The TMF/Gateway for queue manager <insert_3> is unable to start due to the TMF subsystem not being configured.

Response

Contact the TMF administrator to ensure the TMF subsystem is configured.

AMQ5374

TMF/Gateway not authorized to access RM file.

Severity

20 : Error

Explanation

The TMF/Gateway for queue manager <insert_3> is not authorized to access TMF RM file.

Response

There is an existing RM file <insert_4> within TMF, associated with a different owner from that specified for the TMF/Gateway server class for queue manager <insert_3> within Pathway.

Ensure the TMF/Gateway server class within Pathway is configured with the same owner as the existing TMF RM file.

AMQ5375

TMF/Gateway for queue manager <insert_3> has encountered a TMF resource error <insert_1>.

Severity

20 : Error

Explanation

The TMF/Gateway for queue manager <insert_3> has encountered a TMF resource error <insert_1>.

Response

These errors are typically as a result of reaching configured resource limits within the TMF subsystem. Refer to the HP NonStop Guardian Procedure Errors and Messages Manual for the appropriate corrective action based on the error <insert_1>.

AMQ5376

IBM WebSphere MQ

Severity

0 : Information

Explanation

Queue manager <insert_3> is unavailable for communication with the TMF/Gateway.

Response

Ensure that the queue manager has been started. The TMF/Gateway uses a client channel connection so additional channel definition and channel status checks might be required.

The TMF/Gateway will periodically attempt to reestablish communication with the queue manager.

If the queue manager continues to remain unavailable, this message will be reissued at regular intervals.

AMQ5377

The TMF/Gateway is not authorized to connect to queue manager <insert_3>.

Severity

20 : Error

Explanation

The TMF/Gateway is not authorized to connect to queue manager <insert_3>.

Response

Ensure the TMF/Gateway has been configured to use the correct queue manager and that queue manager has granted appropriate authority for the owner of the TMF/Gateway.

AMQ5378

Participation in TMF transactions is not support by queue manager <insert_3>.

Severity

20 : Error

Explanation

TMF/Gateway has detected WebSphere MQ for z/OS queue manager <insert_3> does not support participation in TMF transactions.

Response

The version of z/OS queue manager that you are connecting to does not support the TMF Gateway, please upgrade to a supported release.

AMQ5379

TMF/Gateway started with missing or invalid parameters

Severity

0 : Information

Explanation

Usage: runmqtmf -m QMgrName [-c ChannelName] [-h HostName] [-p Port] [-n MaxThreads] where:

-m is the name of the queue manager for this Gateway process. If you are using a queue sharing group (or other port distribution technology), this parameter must be targeted to a specific queue manager. This parameter is mandatory.

-c is the name of the server channel on the queue manager to be used by this gateway process. This parameter is optional.

-p is the TCP/IP port for the queue manager. This parameter is optional.

-h is the host name of the queue manager. This parameter is optional.

-n is the maximum number of worker threads that are created by the Gateway process. This parameter can be a value of 10 or greater. This parameter is optional. If no value is provided, the Gateway process creates up to a maximum of 50 threads.

If you specify one or more, but not all of the -c, -p, and -h attributes, then those attributes that you do not specify default to the following values:

ChannelName defaults to SYSTEM.DEF.SVRCONN

HostName defaults to localhost

Port defaults to 1414

Response

Ensure the TMF/Gateway is started with only valid parameters.

AMQ5380

A single TMF/Gateway process must be configured with TMF for each queue manager that is to participate in TMF coordinated units of work.

Severity

20 : Error

Explanation

None.

Response

Use the TMFCOM **STATUS RESOURCEMANAGER** command to identify the process that is already using RM-file *<insert_4>*.

If you are using multiple installations, you must nominate a single Gateway process from one of these installation to coordinate queue manager *<insert_3>*. The interface to the Gateway process supports any client at the same version or earlier. Ensure the TMF/Gateway server class definition within pathway for queue manager *<insert_3>* has been configured with MAXSERVER set to 1.

AMQ5390

Invalid process name *<insert_3>* provided in the MQTMF_GATEWAY_NAME environment variable for the TMF/Gateway for queue manager *<insert_4>*.

Severity

20 : Error

Explanation

Invalid process name *<insert_3>* provided in the MQTMF_GATEWAY_NAME environment variable for the TMF/Gateway for queue manager *<insert_4>*.

Response

Ensure the TMF/Gateway is running and the MQTMF_GATEWAY_NAME environment variable is correctly set to the Guardian process name of the TMF/Gateway.

AMQ5391

No PATHMON process name provided in the mqclient.ini for the TMF/Gateway for queue manager *<insert_3>*.

Severity

20 : Error

Explanation

None.

Response

Ensure an mqclient.ini file is available for use by the IBM WebSphere MQ client for HP Integrity NonStop Server and that it contains a TMFGateway stanza providing the server class name to be used for queue manager *<insert_3>*.

Refer to the IBM WebSphere MQ product documentation for further information about using an mqclient.ini file with the IBM WebSphere MQ client for HP Integrity NonStop Server system.

AMQ5392

No server class name provided in the mqclient.ini for the TMF/Gateway for queue manager *<insert_3>*.

Severity

20 : Error

Explanation

None.

Response

Ensure an mqclient.ini file is available containing a TMF stanza providing the Guardian process name of a PATHCOM that is hosting a TMF/Gateway server class for queue manager *<insert_3>*.

The mqclient.ini file also requires a TMFGateway stanza providing the server class name to be used for queue manager <insert_3>.

Refer to the IBM WebSphere MQ product documentation for further information about using an mqclient.ini file.

AMQ5393

The TMF/Gateway for queue manager <insert_3> is unable to process the request, return code (<insert_1>:<insert_3>).

Severity

20 : Error

Explanation

None.

Response

Check the TMF/Gateway error logs for further details.

AMQ5394

The TMF/Gateway for queue manager <insert_3> has successfully processed the request.

Severity

0 : Information

Explanation

None.

Response

None.

AMQ5395

Unable to locate server class <insert_4> hosted by PATHMON process <insert_3>.

Severity

20 : Error

Explanation

None.

Response

The configuration error may be one of the following:

1. The mqclient.ini TMFGateway stanza contains an invalid server class name for queue manager <insert_5>.
2. The PATHMON process <insert_3> has not been configured with server class <insert_4>.
3. Server class <insert_4> has not been started or is currently frozen.

AMQ5396

Unable to locate PATHMON process <insert_3>.

Severity

20 : Error

Explanation

None.

Response

The configuration error may be one of the following:

1. The mqclient.ini TMF stanza contains an invalid process name.
2. The PATHMON process <insert_3> is not currently running.

AMQ5397

Not authorized to use server class <insert_4> hosted by PATHMON process <insert_3>

Severity

20 : Error

Explanation

None.

Response

Check with your systems administrator to ensure you have the correct access permissions. When confirmed you have the correct access permissions, retry the operation.

AMQ5398

Error encountered while establishing contact with the TMF/Gateway server class <insert_4> hosted by PATHMON process <insert_3>. Pathsend error (<insert_1>), file system error (<insert_2>).

Severity

20 : Error

Explanation

None.

Response

These errors are typically the result of configuration problems with the PATHMON process <insert_3> or the server class <insert_4>. Refer to the HP NonStop TS/MP Pathsend and Server Programming Manual for the appropriate corrective action based on the pathsend error (<insert_1>) and file system error (<insert_2>).

AMQ5399

The TMF/Gateway server class <insert_4> hosted by PATHMON process <insert_3> has not be configured appropriately.

Severity

20 : Error

Explanation

None.

Response

The configuration error may be one of the following:

1. The server class has not been configured with TMF enabled.
2. The server class has been configured with MAXLINKS set too low for the number of IBM WebSphere MQ client for HP Integrity NonStop Server applications needing to concurrently enlist with the TMF/Gateway.

AMQ5501

There was not enough storage to satisfy the request

Severity

20 : Error

Explanation

An internal function of the product attempted to obtain storage, but there was none available.

Response

Stop the product and restart it. If this does not resolve the problem, save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ5502

The CDS directory name <insert_3> is not in the correct format.

Severity

20 : Error

Explanation

An internal function of the DCE Naming service found a CDS directory name in the wrong format. The name was expected to start with either '/'..' for a fully qualified name (from global root), or '/..' for a partially qualified name (from local cell root).

Response

Save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ5503

The name of the local DCE cell cannot be determined, status = *<insert_1>*

Severity

20 : Error

Explanation

The DCE Naming Service attempted to determine the name of the local DCE cell by calling 'dce_cf_get_cell_name()', which returned a nonzero return code.

Response

Save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ5504

DCE error. No value for the XDS attribute found.

Severity

20 : Error

Explanation

The DCE Naming service called om_get() to get the entry from the object returned by ds_read(). Although the status was correct, no objects were returned.

Response

Save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ5505

DCE error. No value for the XDS attribute number *<insert_1>* found.

Severity

20 : Error

Explanation

The DCE Naming service called om_get() to get the entry from the object returned by ds_read(). Although the status was correct, no objects were returned.

Response

Save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ5506

DCE error. *<insert_3>* returned *<insert_1>* for attribute number *<insert_2>*.

Severity

20 : Error

Explanation

The DCE Naming service queried an object by calling *<insert_3>* which returned a nonzero return code.

Response

Save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

[product/C100515X13178X21/other_software/ibm_support_assistant](https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant), to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ5507

DCE error. <insert_3> failed for an unknown reason.

Severity

20 : Error

Explanation

An unexpected error occurred in an internal function of the DCE Naming service.

Response

Save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ5508

DCE error. The requested attribute is not present.

Severity

20 : Error

Explanation

The DCE Naming service was attempting to extract the value from an attribute, but the attribute cannot be found in the XDS object.

Response

Save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ5509

DCE error. The XDS workspace cannot be initialized.

Severity

20 : Error

Explanation

The DCE Naming service called 'ds_initialize()' to initialize the XDS workspace, but 'ds_initialize()' returned a nonzero return code.

Response

Save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ5510

DCE error. <insert_3> returned with problem <insert_1>.

Severity

20 : Error

Explanation

The DCE Naming service found an unexpected XDS error.

Response

Save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ5511

Installable service component <insert_3> returned <insert_4>.

Severity

20 : Error

Explanation

The internal function, that adds a component to a service, called the component initialization process. This process returned an error.

Response

Check the component was installed correctly. If it was, and the component was supplied by IBM, then save the generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. If the component was not supplied by IBM, save the generated output files and follow the support procedure for that component.

AMQ5511 (IBM i)

An installable service component returned an error.

Severity

20 : Error

Explanation

Installable service component *<insert_3>* returned *<insert_4>*. The internal function, that adds a component to a service, called the component initialization process. This process returned an error.

Response

Check the component was installed correctly. If it was, and the component was supplied by IBM, then save the generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. If the component was not supplied by IBM, save the generated output files and follow the support procedure for that component.

AMQ5512

Installable service component *<insert_3>* returned *<insert_4>* for queue manager name = *<insert_5>*.

Severity

20 : Error

Explanation

An installable service component returned an unexpected return code.

Response

Check the component was installed correctly. If it was, and the component was supplied by IBM, then save the generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. If the component was not supplied by IBM, save the generated output files and follow the support procedure for that component.

AMQ5512 (IBM i)

An installable service component returned an unexpected return code.

Severity

20 : Error

Explanation

Installable service component *<insert_3>* returned *<insert_4>* for queue manager name = *<insert_5>*.

Response

Check the component was installed correctly. If it was, and the component was supplied by IBM, then save the generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is

already available. If you are unable to find a match, contact your IBM support center. If the component was not supplied by IBM, save the generated output files and follow the support procedure for that component.

AMQ5513

<insert_3> returned <insert_1>.

Severity

20 : Error

Explanation

An unexpected error occurred.

Response

Save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ5519

Bad DCE identity. Status = <insert_1>, auth = <insert_2>, keytab file = <insert_3>, principal = <insert_4>.

Severity

20 : Error

Explanation

The keytab file was not installed correctly, or the WebSphere MQ user ID has a different password from that used to create the keytab file.

Response

Make sure that the MQ user ID defined when the product was installed has the same password as that defined by the keytab file, and that the keytab file has been installed correctly.

AMQ5519 (IBM i)

Bad DCE identity.

Severity

20 : Error

Explanation

Status = <insert_1>, auth = <insert_2>, keytab file = <insert_3>, principal = <insert_4>. The keytab file was not installed correctly, or the IBM WebSphere MQ user ID has a different password from that used to create the keytab file.

Response

Make sure that the MQ user ID defined when the product was installed has the same password as that defined by the keytab file, and that the keytab file has been installed correctly.

AMQ5520

The system could not load the module <insert_5> for the installable service <insert_3> component <insert_4>. The system return code was <insert_1>. The Queue Manager is continuing without this component.

Severity

10 : Warning

Explanation

The queue manager configuration data included a stanza for the installable service <insert_3> component <insert_4> with the module <insert_5>. The system returned <insert_1> when it tried to load this module. The Queue Manager is continuing without this component.

Response

Make sure that the module can be loaded. Put the module into a directory where the system can load it, and specify its full path and name in the configuration data. Then stop and restart the queue manager.

AMQ5520 (IBM i)

The system could not load a module. The Queue Manager is continuing without this component.

Severity

10 : Warning

Explanation

The queue manager configuration data included a stanza for the installable service <insert_3> component <insert_4> with the module <insert_5>. The system returned <insert_1> when it tried to load this module. The Queue Manager is continuing without this component.

Response

Make sure that the module can be loaded. Put the module into a directory where the system can load it, and specify its full path and name in the configuration data . Then stop and restart the queue manager.

AMQ5521

The system could not open "<insert_3>".

Severity

10 : Warning

Explanation

The system failed to open the default object "<insert_3>" at connect time for reason <insert_4>. This may be because "<insert_3>" has been deleted or changed.

Response

re-create the default objects by running "strmqm -c <qmgr>" (where <qmgr> is the name of the queue manager) and retry the application.

AMQ5522

An IBM WebSphere MQ installable service component could not be initialized.

Severity

20 : Error

Explanation

An installable service component returned an unexpected return code.

Response

Check the queue manager error logs for messages explaining which installable service could not be initialized and why that service could not be initialized. Check the component was installed correctly. If it was, and the component was supplied by IBM, then save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. If the component was not supplied by IBM, save the generated output files and follow the support procedure for that component.

AMQ5524

The IBM WebSphere MQ Object Authority Manager has failed to migrate authority data.

Severity

20 : Error

Explanation

The object authority manager has attempted to migrate existing queue manager authority data from a previous version of an object authority manager and failed.

Response

Check this log for any previous related messages, follow their recommendations then restart the queue manager.

AMQ5525

The IBM WebSphere MQ Object Authority Manager has failed.

Severity

20 : Error

Explanation

The object authority manager has failed to complete an MQ request.

Response

Check the queue manager error logs for messages explaining the failure and try to correct the problem accordingly.

AMQ5526

The IBM WebSphere MQ Object Authority Manager has failed with reason *<insert_1>*

Severity

20 : Error

Explanation

The object authority manager has failed an operation on the object authority manager's data queue *<insert_3>* with reason *<insert_1>*.

Response

Investigate why the error has occurred and correct the problem.

AMQ5527

The IBM WebSphere MQ Object Authority Manager has failed to locate an essential authority file

Severity

20 : Error

Explanation

The object authority manager has failed to locate the authority file *<insert_3>*. The migration of authority data cannot continue until the file has been restored. The queue manager will shutdown.

Response

Restore the authority file mentioned above and restart the queue manager.

AMQ5528

The IBM WebSphere MQ Object Authority Manager has failed to locate an object's authority file

Severity

20 : Error

Explanation

The object authority manager has failed to locate the authority file for the object *<insert_3>* of type (*<insert_1>*). The authority access to this object will initially be limited to members of the mqm group. Where type is one of the following:

- 1) Queue
- 2) Namelist
- 3) Process
- 5) Queue Manager

Response

To extend access to this object use the setmqaut command, see the IBM WebSphere MQ System Administration documentation for details.

AMQ5529

The Remote OAM Service is not available.

Severity

20 : Error

Explanation

The Remote OAM service is not available. The *<insert_1>* call returned *<insert_1>*, errno *<insert_2>* : *<insert_3>*. The context string is *<insert_4>*

Response

To extend access to this object use the setmqaut command, see the IBM WebSphere MQ System Administration documentation for details.

AMQ5600

Usage: crtmqm [-z] [-q] [-c Text] [-d DefXmitQ] [-h MaxHandles]
[-md DataPath] [-g ApplicationGroup]

Severity

0 : Information

Explanation

This shows the correct usage.

Response

None.

AMQ5600 (Tandem)

Usage: crtmqm [-z] [-q] [-c Text] [-d DefXmitQ] [-h MaxHandles]

Severity

0 : Information

Explanation

This shows the correct usage.

Response

None.

AMQ5600 (Windows)

Usage: crtmqm [-z] [-q] [-c Text] [-d DefXmitQ] [-h MaxHandles]
[-g ApplicationGroup]
[-ss | -sa | -si]

Severity

0 : Information

Explanation

This shows the correct usage.

Response

None.

AMQ5601

[-t TrigInt] [-u DeadQ] [-x MaxUMsgs] [-lp LogPri] [-ls LogSec]

Severity

0 : Information

Response

None.

AMQ5601 (Tandem)

[-t TrigInt] [-u DeadQ] [-x MaxUMsgs] [-m MIni] [-l CCSID]

Severity

0 : Information

Response

None.

AMQ5602

[-lc | -ll] [-lf LogFileSize] [-ld LogPath] QMgrName

Severity

0 : Information

Explanation

This shows the correct usage.

Response

None.

AMQ5602 (Tandem)

[-e NumECs] [-p QMVol] -n PMonProc -o HomeTerm

Severity

0 : Information

Response

None.

AMQ5602 (IBM i)

[-ll] [-lf LogFileSize] [-ld LogPath] [-lz ASPNum|ASPDev] QMgrName

Severity

0 : Information

Explanation

This shows the correct usage.

Response

None.

AMQ5603

Usage: dltmqm [-z] QMgrName

Severity

0 : Information

Explanation

This shows the correct usage.

Response

None.

AMQ5604

Usage: dspmqaut [-m QMgrName] [-n ObjName] -t ObjType (-p Principal | -g Group) [-s ServiceComponent]

Severity

0 : Information

Response

None.

AMQ5605

Usage: endmqm [-z] [-c | -w | -i | -p] [-s] QMgrName

Severity

0 : Information

Explanation

This shows the correct usage.

Response

None.

AMQ5605 (Tandem)

Usage: endmqm [-z] [-c | -i | -p] QMgrName

Severity

0 : Information

Response

None.

AMQ5606

Usage: setmqaut [-m QMgrName] [-n ObjName] -t ObjType (-p Principal | -g Group) [-s ServiceComponent] Authorizations

Severity

0 : Information

Response

None.

AMQ5607

Usage: strmqm [-a|-c|-p|-r] [-d none|minimal|all] [-z] [-ns] [QMgrName]

Severity

0 : Information

Explanation

This shows the correct usage.

Response

None.

AMQ5607 (Windows)

Usage: strmqm [-a | -c | -r | -p] [-d none|minimal|all] [-z]
[-ns] [-ss | -si] [QMgrName]

Severity

0 : Information

Explanation

This shows the correct usage.

Response

None.

AMQ5608

Usage: dspmqtrn [-m QMgrName] [-e] [-i] [-h]

Severity

0 : Information

Explanation

This shows the correct usage.

Response

None.

AMQ5609

Usage: rsvmqtrn -m QMgrName (-a | ((-b | -c | -f | -r RMId) Transaction,Number))

Severity

0 : Information

Explanation

This shows the correct usage.

Response

None.

AMQ5610 (Tandem)

Usage: strmqtrc [-m QMgrName] [-t TraceType]

Severity

0 : Information

Response

None.

AMQ5610 (Windows, UNIX and Linux)

Usage: strmqtrc [-m QMgrName] [-t TraceType] [-x TraceType] [-s] [-l MaxFileSize] [-e]
[-p ProgramName] [-i Pid.Tid] [-d UserDataSize] [-b StartTrigger] [-c StopTrigger]

Severity

0 : Information

Explanation

This applies to Windows, UNIX and Linux systems. MaxFileSize is the maximum size of a trace file in millions of bytes. UserDataSize is the size of user data to be traced in bytes.

Response

None.

AMQ5610 (IBM i)

Usage: strmqtrc [-m QMgrName] [-t TraceType] [-x TraceType] [-s] [-l MaxFileSize] [-e]
[-p ProgramName] [-i Pid.Tid] [-d UserDataSize] [-b StartTrigger] [-c StopTrigger]
[-o mqm|pex|all]

Severity

0 : Information

Explanation

None.

Response

None.

AMQ5611 (Tandem)

Usage: endmqtrc [-m QMgrName] [-a]

Severity

0 : Information

Response

None.

AMQ5611 (Windows)

Usage: endmqtrc [-p ProgramName] [-i Pid.Tid] [-m QMgrName] [-a] [-e]

Severity

0 : Information

Explanation

This applies to Windows, UNIX and Linux systems.

Response

None.

AMQ5611 (IBM i)

Usage: endmqtrc [-p ProgramName] [-i Pid.Tid] [-m QMgrName] [-a] [-e] [-o mqm|pex|all]

Severity

0 : Information

Explanation

This applies to AS/400 systems. MaxFileSize is the maximum size of a trace file in millions of bytes. UserDataSize is the size of user data to be traced in bytes.

Response

None.

AMQ5612

Usage: dspmqtrc [-t TemplateFile] [-hs] [-o OutputFileName] [-C InputFileCCSID] InputFileName(s)

Severity

0 : Information

Explanation

Options: -t Template file for formatting trace data -h Skip the trace file header -s Summary (format only the trace header) -o Save trace output to file -C Specifies the CCSID value for the input file

Response

None.

AMQ5613

Usage: dspmq [-m QMgrName] [-o status | -s] [-o default]

Severity

0 : Information

AMQ5614

Usage: setmqtry

Severity

0 : Information

Explanation

This shows the correct usage.

Response

None.

AMQ5615

Default objects cannot be created: CompCode = <insert_1> Reason = <insert_2>.

Severity

20 : Error

Explanation

During the creation of a queue manager, using the crtmqm command, the default objects could not be created. Possible reasons for this include another command, issued elsewhere, quiescing or stopping the queue manager, or insufficient storage being available.

Response

Use the Completion and Reason codes shown in the message to determine the cause of the failure, then re-try the command.

AMQ5616

Usage: setmqprd LicenseFile

Severity

0 : Information

Explanation

This shows the correct usage.

Response

None.

AMQ5617

Default objects cannot be created.

Severity

20 : Error

Explanation

During the creation of a queue manager using the crtmqm command, the default objects could not be created. The most likely reason for this error is that the queue manager was started before the crtmqm command had completed.

Response

Ensure that the queue manager being created is not started before the create request completes. Stop the queue manager if it is already running. Restart the queue manager using the strmqm command with the '-c' option to request that the default objects are created.

AMQ5618

integer

Severity

0 : Information

AMQ5619

string

Severity

0 : Information

AMQ5620

channel_name

Severity

0 : Information

AMQ5621

process_name

Severity

0 : Information

AMQ5622

q_name

Severity

0 : Information

AMQ5623

connection_name

Severity

0 : Information

AMQ5624

generic_channel_name

Severity

0 : Information

AMQ5625

generic_process_name

Severity

0 : Information

AMQ5626

generic_q_name

Severity

0 : Information

AMQ5627

qalias_name

Severity

0 : Information

AMQ5628

qmodel_name

Severity

0 : Information

AMQ5629

qlocal_name

Severity

0 : Information

AMQ5630

qremote_name

Severity

0 : Information

AMQ5631

namelist_name

Severity

0 : Information

AMQ5632

generic_namelist_name

Severity

0 : Information

AMQ5633

generic_Q_Mgr_name

Severity

0 : Information

AMQ5634

generic_cluster_name

Severity

0 : Information

AMQ5635

The argument supplied with the <insert_3> flag is not valid.

Severity

20 : Error

Explanation

The argument supplied with the -l parameter must be in the range 1 - 4293. The argument supplied with the -d parameter must be -1, 0 or greater than 15.

Response

Submit the command again with a valid argument.

AMQ5636

cluster_name

Severity

0 : Information

AMQ5638 (Tandem)

Usage: cleanrdf -b BkpSysName [-m QMgrName]

Severity

0 : Information

Response

None.

AMQ5639 (Tandem)

-s Status Server Proc -v Queue Server Proc QMgrName

Severity

0 : Information

Response

None.

AMQ5640 (Tandem)

Usage: altmqusr -m QMgrName -p Principal (-u UserName | -r)

Severity

0 : Information

Response

None.

AMQ5641 (Tandem)

Principal Userid Username Alias GroupName GroupType

Severity

0 : Information

AMQ5642 (Tandem)

The Principal name was specified incorrectly.

Severity

0 : Information

Explanation

The specified Principal name does not conform to the rules required by MQSeries.

Response

Correct the name and submit the command again.

AMQ5643 (Tandem)

Error modifying an entry in the Principal database.

Severity

0 : Information

Explanation

MQSeries was unable to update or delete the specified entry in the Principal database.

Response

Make sure that the entry for this Principal exists and submit the command again.

AMQ5644 (Tandem)

Usage: dspmqusr -m QMgrName [-p Principal]

Severity

0 : Information

Response

None.

AMQ5645 (Tandem)

The Tandem User name was specified incorrectly.

Severity

0 : Information

Explanation

The specified Tandem User name does not conform to the rules required by MQSeries.

Response

Correct the name and submit the command again.

AMQ5646

Usage: setmqcap Processors

Severity

0 : Information

AMQ5647

Usage: dspmqcap

Severity

0 : Information

AMQ5648

Usage: dmpmqaut [-m QMgrName] [-n Profile | -l] [-t ObjType] [-p Principal | -g Group] [-s ServiceComponent] [-e | -x]

Severity

0 : Information

Response

None.

AMQ5649

generic_authinfo_name

Severity

0 : Information

AMQ5650

authinfo_name

Severity

0 : Information

AMQ5651

qmname

Severity

0 : Information

AMQ5652

The Deferred Message process failed to connect to the WebSphere MQ queue manager for reason *<insert_1>*.

Severity

30 : Severe error

Explanation

The IBM WebSphere MQ queue manager *<insert_3>* might have generated earlier messages or FFST information explaining why the deferred message process (amqzdmaa) could not connect.

Response

Correct any configuration errors. Configuration errors that can cause this problem include badly configured CLWL Exit modules. If the problem persists save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ5653

The mqm user is not defined.

Severity

30 : Severe error

Explanation

The system call getpwnam("mqm") failed with errno *<insert_1>*. The program was running as *<insert_3>*.

Response

Create the mqm user as a member of the mqm group and retry the operation.

AMQ5654

Usage: dspmqrte [-c] [-n] [-l Persistence] [-m QMgrName] [-o] [-p Priority]

Severity

0 : Information

Explanation

This shows the correct usage of the DSPMQRTE command.

Response

None.

AMQ5655

[-rq ReplyQName [-rqm ReplyQMGrName]] [-ro ReportOptions]

Severity

0 : Information

Explanation

This shows the correct usage of the DSPMQRTE command.

Response

None.

AMQ5656

[-xs Expiry] [-xp Pass] [-qm TargetQMGrName] [-ac [-ar]]

Severity

0 : Information

Explanation

This shows the correct usage of the DSPMQRTE command.

Response

None.

AMQ5657

[-d Delivery] [-f Forwarding] [-s Activities] [-t Detail]

Severity

0 : Information

Explanation

This shows the correct usage of the DSPMQRTE command.

Response

None.

AMQ5658

[-i CorrelId] [-b] [-v Verbosity] [-w WaitTime]

Severity

0 : Information

Explanation

This shows the correct usage of the DSPMQRTE command.

Response

None.

AMQ5659 (UNIX and Linux)

Unable to access trace shared memory: <insert_1>

Severity

0 : Information

Explanation

This applies to UNIX and Linux systems.

Response

Refer to IBM Service Personnel

AMQ5659 (IBM i)

Unable to access trace control shared memory (<insert_1>)

Severity

0 : Information

Explanation

An unexpected error accessing trace control memory has occurred whilst attempting to start or stop trace. The attempt to access trace control failed with a return code of <insert_1>.

Response

Contact your IBM representative.

AMQ5660

-q TargetQName | -ts TargetTopicString

Severity

0 : Information

Explanation

This shows the correct usage of the DSPMQRTE command.

Response

None.

AMQ5675

Inconsistent use of installations detected.

Severity

20 : Error

Explanation

When executing program *<insert_3>* from installation *<insert_4>*, IBM WebSphere MQ detected that due to the configuration of the environment resources were loaded from installation *<insert_5>*. The program cannot complete successfully while the program is executing using inconsistent installations.

Response

If applicable, run program *<insert_3>* from installation *<insert_5>* or configure the environment so that all resources required by program *<insert_3>* are loaded from installation *<insert_4>*.

AMQ5688

Unable to associate queue manager *<insert_3>* with installation *<insert_4>*.

Severity

20 : Error

Explanation

The request to associate queue manager *<insert_3>* with installation *<insert_4>* failed. This could be caused by the MQ version with which the queue manager was previously running being greater than the version of installation *<insert_4>*.

Response

Check that the installation specified is as intended and reissue the command.

AMQ5691

Queue manager *<insert_4>* is associated with a different installation.

Severity

20 : Error

Explanation

The command *<insert_3>* was issued against queue manager *<insert_4>*, but the queue manager is associated with a different installation than the one currently in use, *<insert_5>*. In order for the command to succeed, the installation that the command is executing from must match the installation that the queue manager is associated with.

Response

Either change the installation the command is being executed from using the `setmqenv` command or associate the queue manager with the current installation using the `setmqm` command.

AMQ5700

listener_name

Severity

0 : Information

AMQ5701

service_name

Severity

0 : Information

AMQ5749

display_cmd

Severity

0 : Information

AMQ5750

filter_keyword

Severity

0 : Information

AMQ5751

operator

Severity

0 : Information

AMQ5752

filter_value

Severity

0 : Information

AMQ5753

topic_name

Severity

0 : Information

AMQ5754

obj_name

Severity

0 : Information

AMQ5755

generic_topic_name

Severity

0 : Information

AMQ5756

subscription_name

Severity

0 : Information

AMQ5757

subscription_id

Severity

0 : Information

AMQ5758

generic_topic_string

Severity

0 : Information

AMQ5765

channel_profile

Severity

0 : Information

AMQ5805

IBM WebSphere MQ Publish/Subscribe broker currently running for queue manager.

Severity

10 : Warning

Explanation

The command was unsuccessful because queue manager *<insert_3>* currently has an IBM WebSphere MQ Publish/Subscribe broker running.

Response

None.

AMQ5806IBM WebSphere MQ Publish/Subscribe broker started for queue manager *<insert_3>*.**Severity**

0 : Information

Explanation

IBM WebSphere MQ Publish/Subscribe broker started for queue manager *<insert_3>*.

Response

None.

AMQ5807

IBM WebSphere MQ Publish/Subscribe broker for queue manager <insert_3> ended.

Severity

0 : Information

Explanation

The IBM WebSphere MQ Publish/Subscribe broker on queue manager <insert_3> has ended.

Response

None.

AMQ5808

IBM WebSphere MQ Publish/Subscribe broker for queue manager <insert_3> is already quiescing.

Severity

10 : Warning

Explanation

The endmqbrk command was unsuccessful because an orderly shutdown of the IBM WebSphere MQ Publish/Subscribe broker running on queue manager <insert_3> is already in progress.

Response

None.

AMQ5808 (IBM i)

IBM WebSphere MQ Publish/Subscribe broker is already quiescing.

Severity

10 : Warning

Explanation

The endmqbrk command was unsuccessful because an orderly shutdown of the broker, running on queue manager <insert_3>, is already in progress.

Response

None.

AMQ5809

IBM WebSphere MQ Publish/Subscribe broker for queue manager <insert_3> starting.

Severity

0 : Information

Explanation

The dspmqbrk command has been issued to query the state of the IBM WebSphere MQ Publish/Subscribe broker. The IBM WebSphere MQ Publish/Subscribe broker is currently initializing.

Response

None.

AMQ5810

IBM WebSphere MQ Publish/Subscribe broker for queue manager <insert_3> running.

Severity

0 : Information

Explanation

The dspmqbrk command has been issued to query the state of the IBM WebSphere MQ Publish/Subscribe broker. The IBM WebSphere MQ Publish/Subscribe broker is currently running.

Response

None.

AMQ5811

IBM WebSphere MQ Publish/Subscribe broker for queue manager <insert_3> quiescing.

Severity

0 : Information

Explanation

The dspmqbrk command has been issued to query the state of the IBM WebSphere MQ Publish/Subscribe broker. The IBM WebSphere MQ Publish/Subscribe broker is currently performing a controlled shutdown.

Response

None.

AMQ5812

IBM WebSphere MQ Publish/Subscribe broker for queue manager *<insert_3>* stopping.

Severity

0 : Information

Explanation

Either the dspmqbrk command or the endmqbrk command has been issued. The IBM WebSphere MQ Publish/Subscribe broker is currently performing an immediate shutdown. If the endmqbrk command has been issued to request that the broker terminate, the command is unsuccessful because the broker is already performing an immediate shutdown.

Response

None.

AMQ5813

IBM WebSphere MQ Publish/Subscribe broker for queue manager *<insert_3>* not active.

Severity

0 : Information

Explanation

An IBM WebSphere MQ Publish/Subscribe broker administration command has been issued to query or change the state of the broker. The WebSphere MQ Publish/Subscribe broker is not currently running.

Response

None.

AMQ5814

IBM WebSphere MQ Publish/Subscribe broker for queue manager *<insert_3>* ended abnormally.

Severity

0 : Information

Explanation

The dspmqbrk command has been issued to query the state of the IBM WebSphere MQ Publish/Subscribe broker. The IBM WebSphere MQ Publish/Subscribe broker has ended abnormally.

Response

Refer to the queue manager error logs to determine why the broker ended abnormally.

AMQ5815

Invalid IBM WebSphere MQ Publish/Subscribe broker initialization file stanza for queue manager (*<insert_3>*).

Severity

20 : Error

Explanation

The broker was started using the strmqbrk command. The broker stanza in the queue manager initialization file is not valid. The broker will terminate immediately. The invalid attribute is *<insert_5>*.

Response

Correct the broker stanza in the queue manager initialization file.

AMQ5815 (Windows)

The IBM WebSphere MQ Publish/Subscribe broker configuration for queue manager (*<insert_3>*) is not valid.

Severity

20 : Error

Explanation

The broker was started using the strmqbrk command. The broker configuration information is not valid. The broker will terminate immediately. The invalid attribute is <insert_5>.

Response

Correct the broker attribute using the cfgmqbrk configuration tool.

AMQ5815 (IBM i)

Invalid IBM WebSphere MQ Publish/Subscribe broker initialization file stanza.

Severity

20 : Error

Explanation

The broker was started using the strmqbrk command. The Broker stanza in the queue manager(<insert_3>) initialization file is not valid. The broker will terminate immediately. The invalid attribute is <insert_5>.

Response

Correct the Broker stanza in the queue manager initialization file.

AMQ5816

Unable to open IBM WebSphere MQ Publish/Subscribe broker control queue for reason <insert_1>,<insert_2>.

Severity

20 : Error

Explanation

The broker has failed to open the broker control queue (<insert_3>). The attempt to open the queue failed with completion code <insert_1> and reason <insert_2>. The most likely reasons for this error are that an application program has opened the broker control queue for exclusive access, or that the broker control queue has been defined incorrectly. The broker will terminate immediately.

Response

Correct the problem and restart the broker.

AMQ5817

An invalid stream queue has been detected by the broker.

Severity

10 : Warning

Explanation

IBM WebSphere MQ has detected an attempt to use a queue (<insert_3>) as a stream queue, but the attributes of the queue make it unsuitable for use as a stream queue. The most likely reason for this error is that the queue is: (1) Not a local queue; (2) A shareable queue; (3) A temporary dynamic queue. If the queue was created using implicit stream creation, the model stream might have been defined incorrectly. The message that caused the stream to be created will be rejected or put to the dead-letter queue, depending upon the message report options and broker configuration.

Response

Correct the problem and resubmit the request.

AMQ5818

Unable to open IBM WebSphere MQ Publish/Subscribe broker stream queue.

Severity

10 : Warning

Explanation

The broker has failed to open a stream queue (<insert_3>). The attempt to open the queue failed with completion code <insert_1> and reason <insert_2>. The most likely reasons for this error are (1) a new stream name has been added to SYSTEM.QPUBSUB.QUEUE.NAMELIST but the stream queue does not exist (2) an application has the queue open for exclusive access.

Response

Correct the problem.

AMQ5819

An IBM WebSphere MQ Publish/Subscribe broker stream has ended abnormally.

Severity

10 : Warning

Explanation

The broker stream (<insert_3>) has ended abnormally for reason <insert_1>. The broker will attempt to restart the stream. If the stream should repeatedly fail then the broker will progressively increase the time between attempts to restart the stream.

Response

Investigate why the problem occurred and take appropriate action to correct the problem. If the problem persists, save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ5820

IBM WebSphere MQ Publish/Subscribe broker stream (<insert_3>) restarted.

Severity

0 : Information

Explanation

The broker has restarted a stream that ended abnormally. This message will frequently be preceded by message AMQ5867 or AMQ5819 indicating why the stream ended.

Response

Correct the problem.

AMQ5821

IBM WebSphere MQ Publish/Subscribe broker unable to contact parent broker.

Severity

10 : Warning

Explanation

The broker has been started specifying a parent broker. The broker has been unable to send a message to the parent broker (<insert_3>) for reason <insert_1>.

Response

Investigate why the problem occurred and take appropriate action to correct the problem. The problem is likely to be caused by the parent broker name not resolving to the name of a transmission queue on the local broker.

AMQ5822

IBM WebSphere MQ Publish/Subscribe broker failed to register with parent broker.

Severity

10 : Warning

Explanation

The broker has been started specifying a parent broker (<insert_3>). The broker attempted to register as a child of the parent broker, but received an exception response (<insert_1>) indicating that this was not possible. The broker will attempt to reregister as a child of the parent periodically. The child might not be able to process global publications or subscriptions correctly until this registration process has completed normally.

Response

Investigate why the problem occurred and take appropriate action to correct the problem. The problem is likely to be caused by the parent broker not yet existing, or a problem with the SYSTEM.BROKER.INTER.BROKER.COMMUNICATIONS queue at the parent broker.

AMQ5823

Exit path attribute invalid in IBM WebSphere MQ Publish/Subscribe broker stanza.

Severity

10 : Warning

Explanation

The broker exit path attribute *<insert_3>* is not valid. The attribute should be specified as: *<path><module name><function name>*. The broker will terminate immediately.

Response

Correct the problem with the attribute and restart the broker.

AMQ5825

The address of the IBM WebSphere MQ Publish/Subscribe broker exit function could not be found.

Severity

10 : Warning

Explanation

The address of the broker exit function *<insert_4>* could not be found in module *<insert_3>* for reason *<insert_1>*:*<insert_5>*. The broker will terminate immediately.

Response

Correct the problem with the broker exit function *<insert_4>* in module *<insert_3>*, and restart the broker.

AMQ5826

IBM WebSphere MQ Publish/Subscribe has failed to propagate a subscription to another queue manager.

Severity

10 : Warning

Explanation

The queue manager failed to propagate subscription to stream (*<insert_4>*) at broker (*<insert_3>*). Reason codes *<insert_1>* and *<insert_2>*. An application has either registered or deregistered a subscription to stream (*<insert_4>*). The queue manager has attempted to propagate the subscription change to broker (*<insert_3>*) but the request has not been successful. Messages published on stream (*<insert_4>*) through queue manager (*<insert_3>*) might not reach this queue manager.

Response

Use the reason codes to investigate why the problem occurred and take appropriate action to correct the problem. Use the command REFRESH QMGR TYPE(PROXYSUB) to refresh proxy subscriptions. ????????

AMQ5827

An IBM WebSphere MQ Publish/Subscribe broker internal subscription has failed.

Severity

10 : Warning

Explanation

The broker failed to subscribe to stream (*<insert_4>*) at broker (*<insert_3>*) with reason codes *<insert_1>* and *<insert_2>*. Related brokers learn about each others configuration by subscribing to information published by each other. A broker has discovered that one of these internal subscriptions has failed. The broker will reissue the subscription immediately. The broker cannot function correctly without knowing some information about neighboring brokers. The information that this broker has about broker (*<insert_3>*) is not complete and this could lead to subscriptions and publications not being propagated around the network correctly.

Response

Investigate why the problem occurred and take appropriate action to correct the problem. The most likely cause of this failure is a problem with the SYSTEM.BROKER.CONTROL.QUEUE at broker (*<insert_3>*), or a problem with the definition of the route between this broker and broker (*<insert_3>*).

AMQ5828

IBM WebSphere MQ Publish/Subscribe broker exit returned an ExitResponse that is not valid.

Severity

10 : Warning

Explanation

The broker exit returned an ExitResponse *<insert_1>* that is not valid. The message has been allowed to continue and an FFST has been generated that contains the entire exit parameter structure.

Response

Correct the problem with the broker exit.

AMQ5829

Usage: amqfqpub [-m QMgrName]. Do not run this command manually.

Severity

0 : Information

Explanation

This shows the correct usage.

Response

None.

AMQ5830

The endmqbrk command can no longer be used. The &MQQPUBSUB_short is enabled/disabled by altering the Queue manager's PSMODE attribute. Setting PSMODE to "COMPAT" disables the queued pubsub interface.

Severity

0 : Information

Explanation

The endmqbrk command (shipped with earlier versions of MQ) is no longer used to enable/disable the IBM WebSphere MQ Publish/Subscribe. Instead of issuing the endmqbrk command the PSMODE attribute of the queue manager should be set to COMPAT.

Response

None.

AMQ5832

IBM WebSphere MQ Publish/Subscribe broker failed to publish configuration information on SYSTEM.BROKER.ADMIN.STREAM.

Severity

10 : Warning

Explanation

Related brokers learn about each others configuration by subscribing to information published by each other. A broker has discovered that one of these internal publications has failed. The broker will republish the information immediately. Brokers cannot function correctly without knowing some information about neighboring brokers. The information that neighboring brokers have of this broker might not be complete and this could lead to some subscriptions and publications not being propagated around the network.

Response

Investigate why the problem occurred and take appropriate action to correct the problem.

AMQ5833

A loop has been detected in the IBM WebSphere MQ Publish/Subscribe broker hierarchy.

Severity

20 : Error

Explanation

The broker, on queue manager (*<insert_3>*), introduced a loop in the broker hierarchy. This broker will terminate immediately.

Response

Remove broker (*<insert_3>*) from the hierarchy, either by deleting the broker, or by removing knowledge of the broker's parent, using the clrmqbrk command.

AMQ5834

Conflicting queue manager names in the IBM WebSphere MQ Publish/Subscribe broker hierarchy.

Severity

10 : Warning

Explanation

The names of the queue managers (<insert_3>) and (<insert_4>) in the broker hierarchy both start with the same 12 characters. The first 12 characters of a broker's queue manager name should be unique to ensure that no confusion arises within the broker hierarchy, and to guarantee unique message ID allocation.

Response

Use a queue manager naming convention that guarantees uniqueness of the first 12 characters of the queue manager name.

AMQ5835

IBM WebSphere MQ Publish/Subscribe broker failed to inform its parent of a relation for reason <insert_1>.

Severity

0 : Information

Explanation

The failed to notify its parent on queue manager (<insert_3>) of the relation (<insert_4>) in the broker hierarchy. The notification message will be put to the parent's dead-letter queue. A failure to notify a broker of a new relation will mean that no loop detection can be performed for the new relation.

Response

Diagnose and correct the problem on the parent queue manager. One possible reason for this is that the parent broker does not yet exist.

AMQ5836

Duplicate queue manager name located in the IBM WebSphere MQ Publish/Subscribe hierarchy.

Severity

0 : Information

Explanation

Multiple instances of the queue manager name (<insert_3>) have been located. This could either be the result of a previously resolved loop in the broker hierarchy, or multiple queue managers in the broker hierarchy having the same name.

Response

If this broker introduced a loop in the hierarchy (typically identified by message AMQ5833), this message can be ignored. It is strongly recommended that every queue manager in a broker hierarchy has a unique name. It is not recommended that multiple queue managers use the same name.

AMQ5837

IBM WebSphere MQ Publish/Subscribe broker failed to quiesce queue (<insert_3>) for reason <insert_1>.

Severity

10 : Warning

Explanation

When a broker is deleted, the broker's input queues are quiesced by making the queue get inhibited, and writing the contents of the queue to the dead-letter queue (depending upon the report options of the message). The broker was unable to quiesce the named queue for the reason shown. The attempt to delete the broker will fail.

Response

Investigate why the problem occurred, take appropriate action to correct the problem, and reissue the dltmqbrk command. Likely reasons include the queue being open for input by another process, there being no dead-letter queue defined at this queue manager, or the operator setting the queue to get inhibited while the dltmqbrk command is running. If there is no dead-letter queue defined, the reason will be reported as MQRC_UNKNOWN_OBJECT_NAME. If the problem occurs because there is no dead-letter queue defined at this broker, the operator can either define a dead-letter queue, or manually empty the queue causing the problem.

AMQ5837 (IBM i)

IBM WebSphere MQ Publish/Subscribe broker failed to quiesce queue.

Severity

10 : Warning

Explanation

When a broker is deleted, the broker's input queues are quiesced by making the queue get inhibited, and writing the contents of the queue to the dead-letter queue (depending upon the report options of the message). The broker was unable to quiesce the queue (<insert_3>) for reason <insert_1>. The attempt to delete the broker will fail.

Response

Investigate why the problem occurred, take appropriate action to correct the problem, and reissue the dltmqbrk command. Likely reasons include the queue being open for input by another process, there being no dead-letter queue defined at this queue manager, or the operator setting the queue to get inhibited while the dltmqbrk command is running. If there is no dead-letter queue defined, the reason will be reported as MQRC_UNKNOWN_OBJECT_NAME. If the problem occurs because there is no dead-letter queue defined at this broker, the operator can either define a dead-letter queue, or manually empty the queue causing the problem.

AMQ5838

IBM WebSphere MQ Publish/Subscribe broker cannot be deleted.

Severity

10 : Warning

Explanation

The broker cannot be deleted as child (<insert_3>) is still registered. A broker cannot be deleted until all other brokers that have registered as children of that broker, have deregistered as its children.

Response

Use the clrmqbrk and dltmqbrk commands to change the broker topology so that broker (<insert_3>) is not registered as a child of the broker being deleted.

AMQ5839

IBM WebSphere MQ Publish/Subscribe broker received an unexpected inter-broker communication.

Severity

10 : Warning

Explanation

A broker has received an inter-broker communication that it did not expect. The message was sent by broker (<insert_3>). The message will be processed according to the report options in that message. The most likely reason for this message is that the broker topology has been changed while inter-broker communication messages were in transit (for example, on a transmission queue) and that a message relating to the previous broker topology has arrived at a broker in the new topology. This message may be accompanied by an informational FFST including details of the unexpected communication.

Response

If the broker topology has changed and the broker named in the message is no longer related to the broker issuing this message, this message can be ignored. If the clrmqbrk command was issued to unilaterally remove knowledge of broker (<insert_3>) from this broker, the clrmqbrk command should also be used to remove knowledge of this broker from broker (<insert_3>). If the clrmqbrk command was issued to unilaterally remove knowledge of this broker from broker (<insert_3>), the clrmqbrk command should also be used to remove knowledge of broker (<insert_3>) at this broker.

AMQ5840

IBM WebSphere MQ Publish/Subscribe broker unable to delete queue.

Severity

10 : Warning

Explanation

The broker has failed to delete the queue (<insert_3>) for reason <insert_2>. The broker typically attempts to delete queues during dltmqbrk processing, in which case the dltmqbrk command will fail.

Response

The most likely reason for this error is that some other process has the queue open. Determine why the queue cannot be deleted, remove the inhibitor, and retry the failed operation. In a multi-broker environment, it is likely that a message channel agent might have queues open, which the broker needs to delete for a dltnqbrk command to complete.

AMQ5841

IBM WebSphere MQ Publish/Subscribe broker (<insert_3>) deleted.

Severity

0 : Information

Explanation

The broker (<insert_3>) has been deleted using the dltnqbrk command.

Response

None.

AMQ5842

IBM WebSphere MQ Publish/Subscribe broker (<insert_3>) cannot be deleted for reason <insert_1>:<insert_5>.

Severity

20 : Error

Explanation

An attempt has been made to delete the broker (<insert_3>) but the request has failed for reason <insert_1>:<insert_5>.

Response

Determine why the dltnqbrk command cannot complete successfully. The message logs for the queue manager might contain more detailed information on why the broker cannot be deleted. Resolve the problem that is preventing the command from completing and reissue the dltnqbrk command.

AMQ5842 (IBM i)

IBM WebSphere MQ Publish/Subscribe broker cannot be deleted.

Severity

20 : Error

Explanation

An attempt has been made to delete the IBM WebSphere MQ Publish/Subscribe broker (<insert_3>) but the request has failed for reason <insert_1>:<insert_5>.

Response

Determine why the dltnqbrk command cannot complete successfully. The message logs for the queue manager might contain more detailed information on why the broker cannot be deleted. Resolve the problem that is preventing the command from completing and reissue the dltnqbrk command.

AMQ5843

IBM WebSphere MQ Publish/Subscribe broker (<insert_3>) cannot be started as it is partially deleted.

Severity

10 : Warning

Explanation

An attempt has been made to start a broker that is in a partially deleted state. An earlier attempt to delete the broker has failed. The broker deletion must be completed before the broker will be allowed to restart. When broker deletion is successful, message AMQ5841 is issued, indicating that the broker has been deleted. If this message is not received on completion of a dltnqbrk command, the broker deletion has not been completed and the command will have to be reissued.

Response

Investigate why the earlier attempt to delete the broker failed. Resolve the problem and reissue the dltnqbrk command.

AMQ5843 (IBM i)

IBM WebSphere MQ Publish/Subscribe broker cannot be started as it is partially deleted.

Severity

10 : Warning

Explanation

An attempt has been made to start the broker *<insert_3>* that is in a partially deleted state. An earlier attempt to delete the broker has failed. The broker deletion must be completed before the broker will be allowed to restart. When broker deletion is successful, message AMQ5841 is issued, indicating that the broker has been deleted. If this message is not received on completion of a dltmqbrk command, the broker deletion has not been completed and the command will have to be reissued.

Response

Investigate why the earlier attempt to delete the broker failed. Resolve the problem and reissue the dltmqbrk command.

AMQ5844

The relation between two IBM WebSphere MQ Publish/Subscribe brokers is unknown.

Severity

10 : Warning

Explanation

The clrmqbrk command has been issued in an attempt to remove a brokers knowledge of a relation of that broker. The relative (*<insert_4>*) is unknown at broker (*<insert_3>*). If the "-p" flag was specified, the broker does not currently have a parent. If the "-c" flag was specified, the broker does not recognize the named child.

Response

Investigate why the broker is unknown.

AMQ5845

Usage: dltmqbrk -m QMgrName

Severity

0 : Information

Explanation

This shows the correct usage.

Response

None.

AMQ5847

IBM WebSphere MQ Publish/Subscribe broker (*<insert_3>*) has removed knowledge of relation (*<insert_4>*).

Severity

0 : Information

Explanation

The clrmqbrk command has been used to remove knowledge of broker (*<insert_4>*) from broker (*<insert_3>*).

Response

None.

AMQ5847 (IBM i)

IBM WebSphere MQ Publish/Subscribe broker relation removed.

Severity

0 : Information

Explanation

The clrmqbrk command has been used to remove knowledge of broker (*<insert_4>*) from broker (*<insert_3>*).

Response

None.

AMQ5848

IBM WebSphere MQ Publish/Subscribe broker (<insert_3>) has failed to remove references to relation (<insert_4>) for reason <insert_1>:<insert_5>.

Severity

20 : Error

Explanation

An attempt has been made to remove references to broker (<insert_4>) from broker (<insert_3>) using the clrmqbrk command, but the request has been unsuccessful.

Response

Determine why the clrmqbrk command cannot complete successfully. The message logs for the queue manager might contain more detailed information on why the broker cannot be deleted. Resolve the problem that is preventing the command from completing and then reissue the clrmqbrk command.

AMQ5848 (IBM i)

IBM WebSphere MQ Publish/Subscribe broker has failed to remove references to a related broker.

Severity

20 : Error

Explanation

An attempt has been made to remove references to broker (<insert_4>) from broker (<insert_3>) using the clrmqbrk command, but the request has been unsuccessful for reason <insert_1>:<insert_5>.

Response

Determine why the clrmqbrk command cannot complete successfully. The message logs for the queue manager might contain more detailed information on why the broker cannot be deleted. Resolve the problem that is preventing the command from completing and then reissue the clrmqbrk command.

AMQ5849

IBM WebSphere MQ Publish/Subscribe broker may not change parent.

Severity

10 : Warning

Explanation

An attempt has been made to start broker (<insert_3>), nominating broker (<insert_4>) as its parent. The broker (<insert_3>) has previously been started, nominating broker (<insert_5>) as its parent. The strmqbrk command cannot be used to change an existing relationship.

Response

Do not attempt to change the broker topology by using the strmqbrk command. The dlrmqbrk and clrmqbrk commands are the only supported means of changing the broker topology. Refer to the documentation of those commands for guidance on changing the broker topology.

AMQ5850

IBM WebSphere MQ Publish/Subscribe broker interrupted while creating queue.

Severity

10 : Warning

Explanation

The broker was interrupted while creating queue (<insert_3>) for user ID (<insert_4>). When the broker creates a queue, it first creates the queue with default security attributes and it then sets the appropriate security attributes for the queue. If the broker should be interrupted during this operation (for example the queue manager is shut down), the broker cannot reliably detect that the security attributes have not been set correctly. The broker was creating a queue, but was interrupted before it could complete creation of the queue and setting the initial authority. If the interrupt occurred before the initial authority of the queue could be set, it might be necessary for the operator to set the appropriate authorities using the setmqaut command.

Response

Confirm that the named queue has the appropriate security attributes and modify them as necessary.

AMQ5851

IBM WebSphere MQ Publish/Subscribe broker interrupted while creating internal queue.

Severity

10 : Warning

Explanation

The broker was interrupted while creating internal queue (<insert_3>) for user ID (<insert_4>). When the broker creates an internal queue, it first creates the queue with default security attributes and it then sets the appropriate security attributes for the queue. If the broker should be interrupted during this operation (for example the queue manager is shut down), the broker attempts to delete and redefine the queue. If the internal queue is available to users (for example, the default stream or the administration stream), it is possible that a user will put a message on the queue while it is in this invalid state, or that a user application has the queue open. In this situation the broker does not automatically redefine the queue and cannot be restarted until the queue has been emptied or closed.

Response

Examine any messages on the named queue and take appropriate action to remove them from the queue. Ensure that no applications have the queue open.

AMQ5852

IBM WebSphere MQ Publish/Subscribe broker failed to propagate delete publication command.

Severity

0 : Information

Explanation

The broker failed to propagate delete publication command for stream (<insert_3>) to related broker (<insert_4>) for reason <insert_1>. When an application issues a delete publication command to delete a global publication, the command has to be propagated to all brokers in the sub-hierarchy supporting the stream. The broker reporting the error has failed to forward a delete publication command to a related broker (<insert_4>) who supports stream (<insert_3>). Delete publication commands are propagated without MQRO_DISCARD_MSG and the command message might have been written to a dead-letter queue. The topic for which the delete publication has failed is (<insert_5>).

Response

If the delete publication has failed because the stream has been deleted at the related broker, this message can be ignored. Investigate why the delete publication has failed and take the appropriate action to recover the failed command.

AMQ5853

IBM WebSphere MQ Publish/Subscribe failed to propagate a delete publication command.

Severity

0 : Information

Explanation

The broker failed to propagate a delete publication command for stream (<insert_3>) to a previously related broker. When an application issues a delete publication command to delete a global publication, the command is propagated to all brokers in the sub-hierarchy supporting the stream. The broker topology was changed after deleting the publication, but before a broker removed by the topology change processed the propagated delete publication message. The topic for which the delete publication has failed is (<insert_5>).

Response

It is the user's responsibility to quiesce broker activity before changing the broker topology using the clmqbrk command. Investigate why this delete publication activity was not quiesced. The delete publication command will have been written to the dead-letter queue at the broker that was removed from the topology. In this case, further action might be necessary to propagate the delete publication command that was not quiesced before the clmqbrk command was issued. If this message occurs as a result of the dlmqbrk command, the publication will have been deleted as a result of the dlmqbrk

command, and the delete publication message will have been written to the dead-letter queue at the queue manager where the broker was deleted. In this case the delete publication message on the dead-letter queue can be discarded.

AMQ5854

IBM WebSphere MQ Publish/Subscribe broker failed to propagate a delete publication command.

Severity

0 : Information

Explanation

When an application issues a delete publication command to delete a global publication, the command has to be propagated to all brokers in the sub-hierarchy supporting the stream. At the time the delete publication was propagated, broker (<insert_4>) was a known relation of this message broker supporting stream (<insert_3>). Before the delete publication command arrived at the related broker, the broker topology was changed so that broker (<insert_4>) no longer supported stream (<insert_3>). The topic for which the delete publication has failed is (<insert_5>).

Response

It is the user's responsibility to quiesce broker activity before changing the stream topology of the broker. Investigate why this delete publication activity was not quiesced. The delete publication command will have been written to the dead-letter queue at broker (<insert_4>).

AMQ5855

IBM WebSphere MQ Publish/Subscribe broker ended.

Severity

10 : Warning

Explanation

An attempt has been made to run the broker (<insert_3>) but the broker has ended for reason <insert_1>:<insert_5>.

Response

Determine why the broker ended. The message logs for the queue manager might contain more detailed information on why the broker cannot be started. Resolve the problem that is preventing the command from completing and reissue the strmqbrk command.

AMQ5856

Broker publish command message cannot be processed. Reason code <insert_1>.

Severity

10 : Warning

Explanation

The IBM WebSphere MQ Publish/Subscribe broker failed to process a publish message for stream (<insert_3>). The broker was unable to write the publication to the dead-letter queue and was not permitted to discard the publication. The broker will temporarily stop the stream and will restart the stream and consequently retry the publication after a short interval.

Response

Investigate why the error has occurred and why the publication cannot be written to the dead-letter queue. Either manually remove the publication from the stream queue, or correct the problem that is preventing the broker from writing the publication to the dead-letter queue.

AMQ5857

Broker control command message cannot be processed. Reason code <insert_1>.

Severity

10 : Warning

Explanation

The IBM WebSphere MQ Publish/Subscribe broker failed to process a command message on the SYSTEM.BROKER.CONTROL.QUEUE. The broker was unable to write the command message to the dead-letter queue and was not permitted to discard the command message. The broker will temporarily stop the stream and will restart the stream and consequently retry the command

message after a short interval. Other broker control commands cannot be processed until this command message has been processed successfully or removed from the control queue.

Response

Investigate why the error has occurred and why the command message cannot be written to the dead-letter queue. Either, manually remove the command message from the stream queue, or correct the problem that is preventing the broker from writing the command message to the dead-letter queue.

AMQ5858

Broker could not send publication to subscriber queue.

Severity

10 : Warning

Explanation

A failure has occurred sending a publication to subscriber queue (*<insert_4>*) at queue manager (*<insert_3>*) for reason *<insert_1>*. The broker configuration options prevent it from recovering from this failure by discarding the publication or by sending it to the dead-letter queue. Instead the broker will back out the unit of work under which the publication is being sent and retry the failing command message a fixed number of times. If the problem still persists, the broker will then attempt to recover by failing the command message with a negative reply message. If the issuer of the command did not request negative replies, the broker will either discard or send to the dead-letter queue the failing command message. If the broker configuration options prevent this, the broker will restart the affected stream, which will reprocess the failing command message again. This behavior will be repeated until such time as the failure is resolved. During this time the stream will be unable to process further publications or subscriptions.

Response

Usually the failure will be due to a transient resource problem, for example, the subscriber queue, or an intermediate transmission queue, becoming full. Use reason code *<insert_1>* to determine what remedial action is required. If the problem persists for a long time, you will notice the stream being continually restarted by the broker. Evidence of this occurring will be a large number of AMQ5820 messages, indicating stream restart, being written to the error logs. In such circumstances, manual intervention will be required to allow the broker to dispose of the failing publication. To do this, you will need to end the broker using the `endmqbrk` command and restart it with appropriate disposition options. This will allow the publication to be sent to the rest of the subscribers, while allowing the broker to discard or send to the dead-letter queue the publication that could not be sent.

AMQ5859

IBM WebSphere MQ Publish/Subscribe broker stream is terminating due to an internal resource problem.

Severity

10 : Warning

Explanation

The broker stream (*<insert_3>*) has run out of internal resources and will terminate with reason code *<insert_1>*. If the command in progress was being processed under sync point control, it will be backed out and retried when the stream is restarted by the broker. If the command was being processed out of sync point control, it will not be able to be retried when the stream is restarted.

Response

This message should only be issued in very unusual circumstances. If this message is issued repeatedly for the same stream, and the stream is not especially large in terms of subscriptions, topics, and retained publications, save all generated diagnostic information and use either the [IBM WebSphere MQ support web page](#), or the IBM support assistant at the [IBM SupportAssistant web page](#), to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ5862

IBM WebSphere MQ Publish/Subscribe broker for queue manager *<insert_3>* migrating.

Severity

0 : Information

Explanation

The dspmqbrk command has been issued to query the state of the broker. The broker is currently being migrated.

Response

None.

AMQ5863

WebSphere Brokers broker not ready for migration. See message logs for guidance.

Severity

10 : Warning

Explanation

The migmqbrk command was unsuccessful because the WebSphere Brokers broker was not ready to accept messages. The state of the WebSphere MQ Publish/Subscribe message broker is exported to the WebSphere Brokers broker in a series of messages sent to queue SYSTEM.BROKER.INTERBROKER.QUEUE. Before migration commences the IBM WebSphere MQ Publish/Subscribe broker checks whether the WebSphere Brokers broker is ready to accept messages on this queue. This check has failed for reason *<insert_1>* so migration has been abandoned.

Response

Reason code *<insert_1>* should be used to determine the nature of the problem. A value of 1 means that queue SYSTEM.BROKER.INTERBROKER.QUEUE does not exist. This is probably because no WebSphere Brokers broker has been defined yet on this queue manager. A value of 2 means that the WebSphere Brokers broker does not have the queue open probably because it hasn't been started or the first message flow has yet to be deployed for it. If both of these steps have been taken then the WebSphere Brokers broker may have been created incorrectly. In particular, it should have been created in migration mode. If the broker was not created with the migration flag set then it will need to be deleted and re-created before migration can commence. For any other value in the reason code, use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Note that until the problem has been resolved the IBM WebSphere MQ Publish/Subscribe broker can still be restarted with the the strmqbrk command.

AMQ5864

Broker reply message could not be sent. The command will be retried.

Severity

10 : Warning

Explanation

While processing a publish/subscribe command, the IBM WebSphere MQ Publish/Subscribe broker could not send a reply message to queue (*<insert_4>*) at queue manager (*<insert_3>*) for reason *<insert_1>*. The broker was also unable to write the message to the dead-letter queue. Since the command is being processed under sync point control, the broker will attempt to retry the command in the hope that the problem is only of a transient nature. If, after a set number of retries, the reply message still could not be sent, the command message will be discarded if the report options allow it. If the command message is not discardable, the stream will be restarted, and processing of the command message recommenced.

Response

Use reason code *<insert_1>* to determine what remedial action is required. If the failure is due to a resource problem (for example, a queue being full), you might find that the problem has already cleared itself. If not, this message will be issued repeatedly each time the command is retried. In this case you are strongly advised to define a dead-letter queue to receive the reply message so that the broker can process other commands while the problem is being investigated. Check the application from which the command originated and ensure that it is specifying its reply-to queue correctly.

AMQ5865

Broker reply message could not be sent.

Severity

10 : Warning

Explanation

While processing a publish/subscribe command, the IBM WebSphere MQ Publish/Subscribe broker could not send a reply message to queue (<insert_4>) at queue manager (<insert_3>) for reason <insert_1>. The broker was also unable to write the message to the dead-letter queue. As the command is not being processed under sync point control, the broker is not able to retry the command.

Response

Use reason code <insert_1> to determine what remedial action is required. If the failure is due to a resource problem (for example, a queue being full), you might find that the problem has already cleared itself. If not, check the application from which the command originated and ensure that it is specifying its reply-to queue correctly. You might find that defining a dead-letter queue to capture the reply message on a subsequent failure will help you with this task.

AMQ5866

Broker command message has been discarded. Reason code <insert_1>.

Severity

10 : Warning

Explanation

The IBM WebSphere MQ Publish/Subscribe broker failed to process a publish/subscribe command message, which has now been discarded. The broker will begin to process new command messages again.

Response

Look for previous error messages to indicate the problem with the command message. Correct the problem to prevent the failure from happening again.

AMQ5867

IBM WebSphere MQ Publish/Subscribe broker stream has ended abnormally.

Severity

10 : Warning

Explanation

The broker stream (<insert_3>) has ended abnormally for reason <insert_1>. The broker will attempt to restart the stream. If the stream should repeatedly fail, the broker will progressively increase the time between attempts to restart the stream.

Response

Use the reason code <insert_1> to investigate why the problem occurred. A reason code of 1 indicates that the stream ended because a command message could not be processed successfully. Look in the error logs for earlier messages to determine the reason why the command message failed. A reason code of 2 indicates that the stream ended because the broker exit could not be loaded. Until the problem with the broker exit has been resolved, the stream will continue to fail.

AMQ5868

User is no longer authorized to subscribe to stream.

Severity

0 : Information

Explanation

The broker has attempted to publish a publication to a subscriber, but the subscriber no longer has browse authority to stream queue (<insert_4>). The publication is not sent to the subscriber and his subscription is deregistered. An event publication containing details of the subscription that was removed is published on SYSTEM.BROKER.ADMIN.STREAM. While user ID (<insert_3>) remains unauthorized, the broker will continue to deregister subscriptions associated with that user ID.

Response

If the authority of user ID (<insert_3>) was intentionally removed, consider removing all of that user IDs subscriptions immediately by issuing an MQCMD_DEREGISTER_SUBSCRIBER command, specifying the MQREGO_DEREGISTER_ALL option on the subscriber's behalf. If the authority was

revoked accidentally, reinstate it, but be aware that some, if not all, of the subscriber's subscriptions will have been deregistered by the broker.

AMQ5869

IBM WebSphere MQ Publish/Subscribe broker is checkpointing registrations.

Severity

0 : Information

Explanation

A large number of changes have been made to the publisher and subscriber registrations of stream (<insert_3>). These changes are being checkpointed, in order to minimize both stream restart time and the amount of internal queue space being used.

Response

None.

AMQ5870

(Unexpected Error)

Severity

0 : Information

Explanation

N/A

Response

N/A

AMQ5871

(Resource Problem)

Severity

0 : Information

Explanation

N/A

Response

N/A

AMQ5872

(IBM WebSphere MQ Publish/Subscribe broker has a known child)

Severity

0 : Information

Explanation

N/A

Response

N/A

AMQ5873

(IBM WebSphere MQ Publish/Subscribe broker active)

Severity

0 : Information

Explanation

N/A

Response

N/A

AMQ5874

(One or more queues could not be quiesced)

Severity

0 : Information

Explanation

N/A

Response

N/A

AMQ5875

IBM WebSphere MQ Publish/Subscribe broker cannot write a message to the dead-letter queue.

Severity

10 : Warning

Explanation

The broker attempted to put a message to the dead-letter queue (<insert_3>) but the message could not be written to the dead-letter queue for reason <insert_1>:<insert_4>. The message was being written to the dead-letter queue with a reason of <insert_2>:<insert_5>.

Response

Determine why the message cannot be written to the dead-letter queue. Also, if the message was not deliberately written to the dead-letter queue, for example by a message broker exit, determine why the message was written to the dead-letter queue and resolve the problem that is preventing the message from being sent to its destination.

AMQ5876

A parent conflict has been detected in the IBM WebSphere MQ Publish/Subscribe broker hierarchy.

Severity

20 : Error

Explanation

The broker (<insert_3>) has been started, naming this broker as its parent. This broker was started naming broker (<insert_3>) as its parent. The broker will send an exception message to broker (<insert_3>) indicating that a conflict has been detected. The most likely reason for this message is that the broker topology has been changed while inter-broker communication messages were in transit (for example, on a transmission queue) and that a message relating to the previous broker topology has arrived at a broker in the new topology. This message may be accompanied by an informational FFST including details of the unexpected communication.

Response

If the broker topology has changed and the broker named in the message no longer identifies this broker as its parent, this message can be ignored - for example, if the command "clrmqbrk -m <insert_3> -p" was issued. If broker (<insert_3>) has been defined as this broker's parent, and this broker has been defined as broker (<insert_3>)'s parent, the clrmqbrk or the dlrmqbrk commands should be used to resolve the conflict.

AMQ5877

IBM WebSphere MQ Publish/Subscribe broker stream has ended abnormally.

Severity

10 : Warning

Explanation

A broker stream (<insert_3>) has ended abnormally for reason <insert_1>. The broker recovery routines failed to reset the stream state and the stream cannot be restarted automatically.

Response

Investigate why the stream failed and why the broker's recovery routine could not recover following the failure. Take appropriate action to correct the problem. Depending upon the broker configuration and the nature of the problem it will be necessary to restart either the broker, or both the queue manager and the broker, to make the stream available. If the problem persists save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ5878

IBM WebSphere MQ Publish/Subscribe broker recovery failure detected.

Severity

10 : Warning

Explanation

An earlier problem has occurred with the broker, and either a stream has been restarted or the broker has been restarted. The restarted stream or broker has detected that the previous instance of the stream or broker did not clean up successfully and the restart will fail.

Response

Investigate the cause of the failure that caused a stream or broker restart to be necessary, and why the broker or stream was unable to clean up its resources following the failure. When the broker processes with a non trusted routing exit (RoutingExitConnectType=STANDARD), the broker runs in a mode where it is more tolerant of unexpected failures and it is likely that the restart will succeed after a short delay. In the case of a stream restart, the broker will normally periodically retry the failing restart. In the case of a broker restart, it will be necessary to manually retry the broker restart after a short delay. When the broker processes without a routing exit, or with a trusted routine exit (RoutingExitConnectType=FASTPATH), the broker runs in a mode where it is less tolerant of unexpected failures and a queue manager restart will be necessary to resolve this problem. When the broker is running in this mode, it is important that the broker processes are not subjected to unnecessary asynchronous interrupts, for example, kill. If the problem persists, save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ5879

IBM WebSphere MQ Publish/Subscribe broker has been migrated.

Severity

10 : Warning

Explanation

The command was unsuccessful because the MQ Pub/Sub broker at queue manager *<insert_3>* has been migrated. After migration the only command which can be issued against the migrated broker is the dltmqbrk command.

Response

Issue the dltmqbrk command to delete the migrated broker.

AMQ5880

User is no longer authorized to subscribe to stream.

Severity

0 : Information

Explanation

The broker has attempted to publish a publication to a subscriber but the subscriber no longer has altusr authority to stream queue (*<insert_4>*). The publication is not sent to the subscriber and that user IDs subscription is deregistered. An event publication containing details of the subscription that was removed is published on SYSTEM.BROKER.ADMIN.STREAM. While user ID (*<insert_3>*) remains unauthorized, the broker will continue to deregister subscriptions associated with that user ID.

Response

If the authority of user ID (*<insert_3>*) was intentionally removed, consider removing subscriptions immediately by issuing an MQCMD_DEREGISTER_SUBSCRIBER command for the appropriate topics on the subscriber's behalf. If the authority was revoked accidentally, reinstate it, but be aware that some, if not all, of the subscriber's subscriptions will have been deregistered by the broker.

AMQ5881

The IBM WebSphere MQ Publish/Subscribe broker configuration parameter combination *<insert_1>* is not valid.

Severity

20 : Error

Explanation

A combination of Broker stanzas in the queue manager initialization file is not valid. The broker will not operate until this has been corrected.

An combination of (1) indicates that SyncPointIfPersistent has been set to TRUE and DiscardNonPersistentInputMsg has been set to FALSE. DiscardNonPersistentInputMsg must be set to TRUE when SyncPointIfPersistent is set to TRUE.

An combination of (2) indicates that SyncPointIfPersistent has been set to TRUE and DiscardNonPersistentResponse has been set to FALSE. DiscardNonPersistentResponse must be set to TRUE when SyncPointIfPersistent is set to TRUE.

An combination of (3) indicates that SyncPointIfPersistent has been set to TRUE and DiscardNonPersistentPublication has been set to FALSE. DiscardNonPersistentPublication must be set to TRUE when SyncPointIfPersistent is set to TRUE.

Response

Alter the message broker stanzas to comply with the above rules and retry the command.

AMQ5881 (Windows)

The IBM WebSphere MQ Publish/Subscribe broker configuration parameter combination *<insert_1>* is not valid.

Severity

20 : Error

Explanation

A combination of Broker parameters in the broker configuration information is not valid. The broker will not operate until this has been corrected.

An combination of (1) indicates that SyncPointIfPersistent has been set to TRUE and DiscardNonPersistentInputMsg has been set to FALSE. DiscardNonPersistentInputMsg must be set to TRUE when SyncPointIfPersistent is set to TRUE.

An combination of (2) indicates that SyncPointIfPersistent has been set to TRUE and DiscardNonPersistentResponse has been set to FALSE. DiscardNonPersistentResponse must be set to TRUE when SyncPointIfPersistent is set to TRUE.

An combination of (3) indicates that SyncPointIfPersistent has been set to TRUE and DiscardNonPersistentPublication has been set to FALSE. DiscardNonPersistentPublication must be set to TRUE when SyncPointIfPersistent is set to TRUE.

Response

Alter the message broker configuration information using the `cfgmqbrk` tool to comply with the above rules and retry the command.

AMQ5882

IBM WebSphere MQ Publish/Subscribe broker has written a message to the dead-letter queue.

Severity

10 : Warning

Explanation

The broker has written a message to the dead-letter queue (*<insert_3>*) for reason *<insert_1>*:*<insert_5>*. Note. To save log space, after the first occurrence of this message for stream (*<insert_4>*), it will only be written periodically.

Response

If the message was not deliberately written to the dead-letter queue, for example by a message broker exit, determine why the message was written to the dead-letter queue, and resolve the problem that is preventing the message from being sent to its destination.

AMQ5883

IBM WebSphere MQ Publish/Subscribe broker state not recorded.

Severity

10 : Warning

Explanation

The broker state on stream (<insert_3>) not recorded while processing a publication outside of sync point. A nonpersistent publication has requested a change to either a retained message or a publisher registration. This publication is being processed outside of sync point because the broker has been configured with the SyncPointIfPersistent option set. A failure has occurred hardening either the publisher registration or the retained publication to the broker's internal queue. All state changes attempted as a result of this publication will be backed-out. Processing of the publication will continue and the broker will attempt to deliver it to all subscribers.

Response

Investigate why the failure occurred. It is probably due to a resource problem occurring on the broker. The most likely cause is 'queue full' on a broker queue. If your publications also carry state changes, you are advised to send them either as persistent publications or turn off the SyncPointIfPersistent option. In this way, they will be carried out under sync point and the broker can retry them in the event of a failure such as this.

AMQ5884

IBM WebSphere MQ Publish/Subscribe broker control queue is not a local queue.

Severity

10 : Warning

Explanation

IBM WebSphere MQ Publish/Subscribe has detected that the queue 'SYSTEM.BROKER.CONTROL.QUEUE' exists and is not a local queue. This makes the queue unsuitable for use as the control queue of the broker. The broker will terminate immediately.

Response

Delete the definition of the existing queue and, if required, re-create the queue to be of type MQQT_LOCAL. If you do not re-create the queue the broker will automatically create one of the correct type when started.

AMQ5885

Usage: runmqbrk (or strmqbrk) -m QMgrName [-f] [-l logfile]

Severity

0 : Information

Explanation

This shows the correct usage.

Response

None.

AMQ5886

IBM WebSphere MQ Publish/Subscribe broker is being migrated.

Severity

10 : Warning

Explanation

The command cannot be issued at this time because the MQ Pub/Sub broker at queue manager <insert_3> is being migrated.

Response

Once migration has commenced then the only command which can be issued against the MQ Pub/Sub broker is the endmqbrk command to cancel the migration. Once the broker has ended if migration did not complete then it can be reattempted using the migmqbrk command again. Alternatively it can be canceled by restarting the broker using the strmqbrk command.

AMQ5887

Migration started for stream <insert_3>

Severity

0 : Information

Explanation

Migration of stream <insert_3> has started.

Response

None.

AMQ5888

Migration complete for stream *<insert_3>*

Severity

0 : Information

Explanation

All of the state of stream *<insert_3>* has been exported to the WebSphere Brokers broker.

Response

None.

AMQ5889

IBM WebSphere MQ Publish/Subscribe broker has been successfully migrated.

Severity

0 : Information

Explanation

Migration of the broker has completed successfully.

Response

The broker has been migrated. Resources used by it can now be freed by using the `dltmqbrk` command.

AMQ5890

The migration of the IBM WebSphere MQ Publish/Subscribe broker has failed.

Severity

10 : Warning

Explanation

The IBM WebSphere MQ Publish/Subscribe broker is being migrated. During this migration all persistent state, for example subscriptions, are exported to the WebSphere Brokers broker as a series of messages sent to queue *<insert_3>*. A migration message could not be written to this queue for reason *<insert_1>*.

Response

Use the MQPUT failure code *<insert_1>* to determine why the message cannot be written to the queue. The reason code could indicate that the queue manager is terminating in which case the `migmqbrk` command will need to be re-issued after the queue manager has restarted. Alternatively there may be a problem with the queue which may need to be rectified before migration can be attempted again.

AMQ5891

IBM WebSphere MQ Publish/Subscribe broker has failed to receive a reply while exporting its state to WebSphere Brokers

Severity

10 : Warning

Explanation

The IBM WebSphere MQ Publish/Subscribe broker is being migrated. During this migration all persistent state, for example subscriptions, are exported to the WebSphere Brokers broker as a series of messages. A reply message for one of the migration messages could not be retrieved from queue *<insert_3>* for reason *<insert_1>*. The migration of the IBM WebSphere MQ Publish/Subscribe broker has failed.

Response

Use the MQGET failure code *<insert_3>* to determine why the reply message could not be received from the reply queue. The reason code could indicate that the queue manager is terminating in which the `migmqbrk` command will need to be re-issued after the queue manager has restarted. A reason code of 2033 indicates that no reply message was received within a 30 second wait interval. In this case the problem is more likely to have occurred at the WebSphere Brokers broker. Check for error messages issued at the WebSphere Brokers broker.

AMQ5892

Migration of stream *<insert_3>* has failed for reason *<insert_1>:<insert_4>*.

Severity

0 : Information

Explanation

Migration of stream *<insert_3>* has failed.

Response

Use reason code *<insert_1>* to investigate the reason for the failure. Once the problem has been resolved, re-issue the `migmqbrk` command to retry migration.

AMQ5892 (IBM i)

Migration of stream *<insert_3>* has failed.

Severity

0 : Information

Explanation

Migration of stream *<insert_3>* has failed for reason *<insert_1>:<insert_4>*.

Response

Use reason code *<insert_1>* to investigate the reason for the failure. Once the problem has been resolved, re-issue the `migmqbrk` command to retry migration.

AMQ5893

IBM WebSphere MQ Publish/Subscribe broker (*<insert_3>*) cannot be migrated for reason *<insert_1>:<insert_5>*.

Severity

20 : Error

Explanation

An attempt has been made to migrate the IBM WebSphere MQ Publish/Subscribe broker (*<insert_3>*) but the request has failed for reason *<insert_1>:<insert_5>*.

Response

Determine why the `migmqbrk` command cannot complete successfully. The message logs for the queue manager might contain more detailed information outlining why the broker cannot be migrated. Resolve the problem that is preventing the command from completing and reissue the `migmqbrk` command.

AMQ5893 (IBM i)

IBM WebSphere MQ Publish/Subscribe broker cannot be migrated.

Severity

20 : Error

Explanation

An attempt has been made to migrate the broker (*<insert_3>*) but the request has failed for reason *<insert_1>:<insert_5>*.

Response

Determine why the `migmqbrk` command cannot complete successfully. The message logs for the queue manager might contain more detailed information outlining why the broker cannot be migrated. Resolve the problem that is preventing the command from completing and reissue the `migmqbrk` command.

AMQ5894

IBM WebSphere MQ Publish/Subscribe broker cannot be migrated.

Severity

10 : Warning

Explanation

The IBM WebSphere MQ Publish/Subscribe broker cannot be migrated yet because the state of stream *<insert_3>* is not consistent with respect to related broker *<insert_4>*. While an IBM WebSphere MQ Publish/Subscribe broker is being migrated a check is made to ensure that the

state of each stream is consistent with respect to all of the broker's relations. This check has failed because an inconsistency has been detected in the state of stream *<insert_3>* with respect to broker *<insert_4>*. The problem will most likely be of a transient nature, caused because the WebSphere MQ Publish/Subscribe broker has yet to complete processing a recent change to the topology of the broker network. For example, the stream in question may have recently been created or deleted at related broker *<insert_4>* and this broker has yet to complete its processing for this change. Another cause maybe that either this broker, or broker *<insert_4>*, have just been added into the broker network and subscriptions have yet to be exchanged the two brokers. If this is the case then the brokers will be inconsistent with respect to all streams. If no recent topology changes have been made then there maybe a current failure with the propagation of subscriptions to broker *<insert_4>*.

Response

In all cases migration of the IBM WebSphere MQ Publish/Subscribe broker will need to be suspended until the inconsistency has been resolved. You will need to restart the broker using the `strmqbrk` command so that it can resolve the problem. After a short while, the broker can be ended and migration reattempted. If repeated attempts to migrate the broker all fail with this message then try to resolve the underlying problem. Look for earlier occurrences of message AMQ5826 and follow the guidance given there. In all cases ensure that the channels between the two brokers are running.

AMQ5895

IBM WebSphere MQ Publish/Subscribe broker cannot be migrated.

Severity

10 : Warning

Explanation

A topic has been detected which cannot be exported to the WebSphere Brokers broker. The topic *<insert_3>* cannot be migrated because it contains wildcard characters recognized by the WebSphere Brokers broker. The wildcard characters used by WebSphere Brokers are the '+' and the '#' characters. The state associated with the topic is not migrated and migration of the IBM WebSphere MQ Publish/Subscribe broker fails.

Response

The IBM WebSphere MQ Publish/Subscribe broker cannot be migrated while topic *<insert_3>* is in use. All applications using topics which contain either the '+' or '#' characters will need to be redesigned to use different topic strings. Until the problem has been resolved the IBM WebSphere MQ Publish/Subscribe broker can be restarted as normal using the `strmqbrk` command.

AMQ5896

Unknown attribute for IBM WebSphere MQ Publish/Subscribe broker configuration parameter GroupId.

Severity

20 : Error

Explanation

The broker has attempted to create stream *<insert_4>* belonging to group *<insert_3>*, this group is unknown.

Response

Modify the attribute for broker configuration parameter GroupId, to a group that exists, or create the group *<insert_3>*.

AMQ5897

Subscription (subname *<insert_5>*, traditional identity *<insert_4>*, topicstring *<insert_3>*) not migrated, reason code *<insert_2>*

Severity

10 : Warning

Explanation

The migration of a subscription has failed and will be skipped (The migration failed with reason code *<insert_2>*). The subscription has topic string is *<insert_3>*, traditional identity *<insert_4>* and subscription name *<insert_5>*.

Response

Either manually migrate this subscription or investigate and fix the problem and perform the migration again.

AMQ5898

Changing parent queue manager cannot be performed during migration.

Severity

20 : Error

Explanation

A different queue manager was supplied with the '-p' parameter to the current parent manager.

Response

Reissue the migration command without the -p option. Once the migration has been performed, use MQSC to alter the queue manager's parent queue manager.

AMQ5900

Usage: migmbbrk [-r] [-o] [-s] [-z] -b BrokerName

Severity

0 : Information

Explanation

This shows the correct usage.

Response

None.

AMQ5901

Migrating Publish/Subscribe ACLs Header.

Severity

0 : Information

Explanation

Migrating Publish/Subscribe ACLs.

From WebSphere Message Broker: <insert_3>

To WebSphere MQ Queue Manager: <insert_4>

Timestamp: <insert_5>

Response

Follow the instructions to migrate ACLs

AMQ5902

Migrating Publish/Subscribe ACLs. No Broker ACLs

Severity

0 : Information

Explanation

The simplest way to migrate to IBM WebSphere MQ is to choose or create a user group with members that are all the user ids that will use publish/subscribe services. Edit the setmqaut command shown here to replace <AllPSUsers> with the group you have chosen. Then execute the resulting command to modify the security attributes of the root MQ topic to be equivalent to WebSphere Brokers

```
setmqaut -m <insert_4> -n SYSTEM.BASE.TOPIC -t topic -g <AllPSUsers> +pub +sub
```

Response

Follow the instructions to migrate ACLs

AMQ5903

Migrating Publish/Subscribe ACLs. No Negative ACLs

Severity

0 : Information

Explanation

The root of the topic tree in *<insert_3>* has been changed to the same setting that is used by MQ. Furthermore, the topic tree contains only positive ACLs. Therefore it is possible to migrate the ACLs directly from *<insert_3>* to *<insert_4>* as follows.

1. Use the following MQSC commands to create topic objects in the topic tree for *<insert_4>*.

Response

Follow the instructions to migrate ACLs

AMQ5904

Migrating Publish/Subscribe ACLs. MQSC Create Topic

Severity

0 : Information

Explanation

Topic Object Name: *<insert_3>*

Topic String: *<insert_4>*

Response

Follow the instructions to migrate ACLs

AMQ5905

Migrating Publish/Subscribe ACLs. setmqaut

Severity

0 : Information

Explanation

```
setmqaut -m <insert_3> -n <insert_4> -t topic <insert_5>
```

Response

Follow the instructions to migrate ACLs

AMQ5906

Migrating Publish/Subscribe ACLs. setmqaut intro

Severity

0 : Information

Explanation

2. Use the following setmqaut commands to create authorisations in *<insert_4>*.

Response

Follow the instructions to migrate ACLs

AMQ5907

Migrating Publish/Subscribe ACLs. Redundant ACLs

Severity

0 : Information

Explanation

The WebSphere Brokers *<insert_3>* has the protection on its root topic set to allow all users to perform all actions (the default). However, there are additional ACLs defined elsewhere in the topic tree that also grant access to named users. These ACLs are redundant because of the setting on the root. You should review the ACLs defined in the broker since they may not be implementing the security that you intend.

Response

Follow the instructions to migrate ACLs

AMQ5908

Migrating Publish/Subscribe ACLs. Manual intervention required.

Severity

0 : Information

Explanation

The WebSphere Brokers <insert_3> has an ACL structure that cannot be migrated directly to IBM WebSphere MQ. Typically this happens when the broker uses negative ACLs (which appear as "Deny" in the broker tooling) although it can sometimes occur when the root of the topic tree has multiple ACLs. You must review the broker's ACL structure and migrate it manually to <insert_4>.

Response

Follow the instructions to migrate ACLs

AMQ5909

Unable to create temporary queue <insert_3>.

Severity

20 : Error

Explanation

Unable to create temporary queue <insert_3>.

Response

Run the application again with service trace enabled and then contact your IBM support center.

AMQ5910

Unable to open migration log file.

Severity

20 : Error

Explanation

Unable to open migration log file.

Response

The log file is called amqmigmbbrk.log and is created in the current working directory. Determine why this file cannot be created and then re-run this application.

AMQ5911

Unable to delete temporary queue <insert_3>.

Severity

20 : Error

Explanation

Unable to delete temporary queue <insert_3>.

Response

If the migration log file shows that the application completed successfully then delete queue <insert_3> manually. If not, then run the application again with service trace enabled and then contact your IBM support center.

AMQ5912

Unable to open queue <insert_3>. Reason code: <insert_1>.

Severity

20 : Error

Explanation

Unable to open queue <insert_3>. Reason code: <insert_1>.

Response

Determine why the application cannot open the queue. Re-running the application while collecting trace may help with this. If necessary, contact your IBM service centre.

AMQ5913

WebSphere Brokers <insert_3> is not responding.

Severity

20 : Error

Explanation

WebSphere Brokers <insert_3> is not responding.

Response

Check that the WebSphere Brokers <insert_3> is started and working normally. If necessary, contact your IBM service centre.

AMQ5914

Unable to read a message from queue <insert_3>. Reason code: <insert_1>.

Severity

20 : Error

Explanation

Unable to read a message from queue <insert_3>. Reason code: <insert_1>.

Response

Determine why the application cannot read from the queue. Re-running the application while collecting service trace may help with this. If necessary, contact your IBM service centre.

AMQ5915

Unable to put a message to queue <insert_3>. Reason code: <insert_1>.

Severity

20 : Error

Explanation

Unable to put a message to queue <insert_3>. Reason code: <insert_1>.

Response

Determine why the application cannot put to the queue. Re-running the application while collecting service trace may help with this. If necessary, contact your IBM service centre.

AMQ5916

Unable to close queue <insert_3>. Reason code: <insert_1>.

Severity

20 : Error

Explanation

Unable to close queue <insert_3>. Reason code: <insert_1>.

Response

Determine why the application cannot close the queue. Re-running the application while collecting trace may help with this. If necessary, contact your IBM service centre.

AMQ5917

Unable to initialise the XML parser.

Severity

20 : Error

Explanation

Unable to initialise the XML parser.

Response

This is an internal error. Re-run the application while collecting service trace, then contact your IBM service centre.

AMQ5918

An XML message from the WebSphere Brokers <insert_3> could not be parsed.

Severity

20 : Error

Explanation

An XML message from the WebSphere Brokers <insert_3> could not be parsed.

Response

An XML message provided by WebSphere Brokers <insert_3> resulted in an error when &MQ tried to parse it. The XML message that caused the problem has been written to <insert_4>. The problem

occurred in line *<insert_1>* at column *<insert_2>*. Contact your IBM service centre and report this problem.

AMQ5919

The XML parser encountered an error and had to stop.

Severity

20 : Error

Explanation

The XML parser encountered an error and had to stop.

Response

An XML message provided by WebSphere Brokers *<insert_3>* resulted in an error when &MQ tried to parse it. The XML message has been written to *<insert_4>*. Contact your IBM service centre and report this problem.

AMQ5920

Unable to clear temporary queue *<insert_3>*.

Severity

20 : Error

Explanation

Unable to clear temporary queue *<insert_3>*.

Response

Examine the queue and try to clear it manually. If the problem persists then run the application again with service trace enabled and then contact your IBM support center.

AMQ5921

Unable to create UTF-8 transcoder.

Severity

20 : Error

Explanation

Unable to create UTF-8 transcoder. This is an internal error from the XML message parser.

Response

Run the application again with service trace enabled and then contact your IBM support center.

AMQ5922

Unable to migrate a topic string from WebSphere Brokers because it is too long or contains an unrecognised character. The start of the string is *<insert_3>*.

Severity

20 : Error

Explanation

Unable to process a topic string from WebSphere Brokers because it is too long or contains an unrecognized character. The start of the string is *<insert_3>*.

Response

Migrate the topic string manually. (Reviewing the migration log may provide additional information about the source of the problem.)

AMQ5923

Unable to retrieve the CCSID for queue manager *<insert_3>*. Reason code: *<insert_1>*

Severity

20 : Error

Explanation

Unable to retrieve the CCSID for queue manager *<insert_3>*. Reason code: *<insert_1>*

Response

Re-run the application with trace enabled to determine the cause of the problem. If necessary, contact your IBM support centre.

AMQ5924

Duplicate topic object <insert_3> already exists.

Severity

20 : Error

Explanation

While attempting to create topic object <insert_3> for topic string <insert_4> the migration utility found that a topic object of that name already exists and was unable to replace it.

Response

Examine the topic object to determine whether it represents the correct topic string. If it does, then it was probably created by a previous run of this utility and it is safe to either use it as it is, or overwrite it. If not, then the conflict will have to be resolved manually. Further details of this problem are recorded in the migration log file.

AMQ5925

The execution environment for WebSphere Brokers has not been initialised

Severity

20 : Error

Explanation

This utility must be run from a command window that can execute WebSphere Brokers commands and this not the case.

Response

Either run this utility from an WebSphere Brokers command console or manually execute the mqsiprofile command script before running the migration tool.

AMQ5926

Unable to subscribe to topic for migration completion message.

Severity

20 : Error

Explanation

This utility subscribes to topic, <insert_3>, to determine whether the pub/sub state for this broker has already been migrated. However the subscription failed with reason code %d.

Response

This is an unexpected error. Contact your IBM support centre

AMQ5927

Migration for this broker has been completed successfully in the past. Since the -z switch was not specified, this attempt will be abandoned.

Severity

0 : Information

Explanation

Migration for this broker has been completed successfully in the past. Since the -z switch was not specified, this attempt will be abandoned.

Response

If the previous successful run produced satisfactory results then there is nothing more to do. If you really do intend to run the migration again then specify the -z switch. You may also want to use the -o switch if you wish to overwrite existing artifacts in the queue manager with ones found during migration.

AMQ5928

Migrating subscription (subname <insert_5>, traditional identity <insert_4>, topicstring <insert_3>) failed when replacing an existing subscription with reason <insert_2>

Severity

20 : Error

Explanation

Because the migration command was run with the force flag (-f) it has tried to replace an existing subscription. Replacing the existing subscription failed with reason <insert_2>. The subscription has topic string is <insert_3>, traditional identity <insert_4> and subscription name <insert_5>.

Response

Use the migration log to investigate and fix the problem and perform the migration again.

AMQ5929

Migration of a subscription was skipped as a existing subscription exists with the same subname. (The subscription that was not migrated had: subname <insert_5>, traditional identity <insert_4> and topicstring <insert_3>.

Severity

10 : Warning

Explanation

The migration command was run without the force flag (-f). Therefore existing subscriptions are not overwritten. Two subscriptions cannot have the same subname so migration of the subscription was skipped.

Response

If the subscription that has been skipped is still required then either the existing subscription with the same name can be removed and the migration command then re-run, or the migration command can be re-run with the force option (-f) which will cause any existing subscriptions with the same subname to be migrated.

AMQ5930

Migration of stream <insert_3> encountered non-fatal errors, reason <insert_1>:<insert_4>.

Severity

0 : Information

Explanation

During migration of stream <insert_3>, an error occurred but the migration of the stream continued

Response

Use earlier error messages, the migration log, or both to investigate the reason for the failure. Once the problem has been resolved, issue the migmqbrk command again to retry migration.

AMQ5931

Failed to create topic object for stream <insert_3> reason <insert_1>

Severity

20 : Error

Explanation

During migration a topic object is created for each stream. Creation of the topic object that corresponds to stream <insert_3> failed for reason <insert_1>.

Response

Use the migration log to investigate and fix the problem and perform the migration again.

AMQ5932

Migration of security for stream <insert_3> failed with reason <insert_1>

Severity

20 : Error

Explanation

During migration, security access for the stream is migrated to the corresponding topic object. Migrating the security for stream <insert_3> failed for reason <insert_1>.

Response

Use the migration log to investigate and fix the problem and perform the migration again.

AMQ5933

Could not open migration log: <insert_3>

Severity

20 : Error

Explanation

A log of actions performed during publish/subscribe migration is kept. (Its location can be set using the "-l" command line parameter - currently it is set to <insert_3>). The log could not be opened for writing.

Response

Ensure that the file <insert_3> can be written to and then rerun the migration. Alternatively rerun the migration specifying a different log file location with the "-l" parameter.

AMQ5934

Could not write to migration log: <insert_3>

Severity

20 : Error

Explanation

A log of actions performed during publish/subscribe migration is kept. (Its location can be set using the "-l" command line parameter - currently is set to <insert_3>). The log could not be written to.

Response

Ensure that the file <insert_3> can be written to and then rerun the migration. Alternatively rerun the migration specifying a different log file location with the "-l" parameter.

AMQ5935

None of the following subscription properties were encountered during migration

JoinExcl

JoinShared

NoAlter

VariableUserId

SubIdentity

SubName

If your subscriptions do not use these properties then no further action is required. However if you do have subscriptions that rely on these properties then you must upgrade WebSphere Brokers and re-run the migration.

Severity

10 : Warning

Explanation

These properties are only visible to the migration tool if WebSphere Brokers has been upgraded to the most recent fix pack level.

Response

If your subscriptions do not use these properties then no action is required.

However, if any of your subscriptions use any of these properties then you need to upgrade WebSphere Brokers and then re-run the migration process.

AMQ5936

Unable to commit a read from queue <insert_3>.

Severity

20 : Error

Explanation

A message was read from queue <insert_3> under synch point but the subsequent attempt to commit that read failed.

Response

Re-run the application using the -s switch which will force all intermediate queues to be cleared before they are used. If the problem persists, contact your IBM service centre.

AMQ5937

Duplicate subscription already exists.

Severity

20 : Error

Explanation

While attempting to create a subscription named *<insert_3>* for topic string *<insert_4>* the migration utility found that a subscription of that name already exists and was unable to replace it.

Response

Examine the subscription to determine whether it is correct. If it is, then it was probably created by a previous run of this utility and it is safe to either use it as it is, or overwrite it. If not, then the conflict will have to be resolved manually. Further details of this problem are recorded in the migration log file.

AMQ5938

Unable to make subscription.

Severity

20 : Error

Explanation

A failure occurred while attempting to create a subscription to topic string *<insert_4>* using the subscription name *<insert_3>*. The associated reason code is *<insert_1>*.

Response

Use the reason code shown in the message to determine the cause of the failure and take appropriate action to rectify the problem.

AMQ5939

Unexpected message read from queue *<insert_3>*.

Severity

20 : Error

Explanation

A message read from queue *<insert_3>* was not expected at this stage of migration.

Response

The unexpected message should not have been on the queue. Re-run the application using the -s switch which will force all intermediate queues to be cleared before they are used. If the problem persists, contact your IBM service centre.

AMQ5940

Failed to migrate relations

Severity

20 : Error

Explanation

During migration of the hierarchy relations an error was encountered. See the migration log for more details.

Response

Look at the migration log for details of the error, correct the problem and run the migration command again.

AMQ5941

Unable to allocate a unique name for a subscription point.

Severity

20 : Error

Explanation

The queue manager allocates a unique topic object name for each subscription point up to a maximum of 256 and that limit has been reached. No further subscription points can be migrated

to this queue manager. In addition, any artifact that depends on this subscription point, for example, retained publications, will also not be migrated.

Response

If possible reduce the number of subscription points used by the WebSphere Brokers broker that is the source of the migration.

AMQ5942

A userid, *<insert_3>*, supplied by the WebSphere Brokers is not valid

Severity

20 : Error

Explanation

The userid, *<insert_3>*, is not valid for use with the queue manager.

Response

Examine the migration log or product trace to determine why the userid is not valid for this queue manager. If possible, alter the userid that is stored in the broker and re-run the migration step.

AMQ5943

Migration cannot be performed as the IBM WebSphere MQ Publish/Subscribe is currently active

Severity

10 : Warning

Explanation

The runmqbrk (and strmqbrk) commands migrate publish/subscribe data (for example, subscriptions and retained messages) from earlier versions of &MQ. The migration can only be performed when the IBM WebSphere MQ Publish/Subscribe is inactive.

Response

If migration is required, the IBM WebSphere MQ Publish/Subscribe should first be disabled, which can be achieved using the following MQSC: alter qmgr psmode(compat)

AMQ5944

Migration has completed with errors. The IBM WebSphere MQ Publish/Subscribe will need to be started manually

Severity

10 : Warning

Explanation

The migration command has completed but not all data could be migrated. Details of the error(s) can be found in earlier error messages and the migration log.

Response

Examine earlier error messages and review the migration log, then manually perform migration of any remaining data that is still required (or if the problem was transitory by re-running the migration command). Once migration has been completed, the IBM WebSphere MQ Publish/Subscribe can be started by issuing the following MQSC command: alter qmgr psmode(enabled)

AMQ5945

The retained message for topic-string *<insert_3>* on stream *<insert_4>* could not be migrated for reason code *<insert_2>*

Severity

10 : Warning

Explanation

The migration of a retained message has failed and will be skipped (The migration failed with reason code *<insert_2>*). The retained message has topic string *<insert_3>*, on stream *<insert_4>*.

Response

Either manually republish the message for this topic or investigate and fix the problem and perform the migration again.

AMQ5946

The &MQQPUBSUB_short could not be started for reason *<insert_1>*

Severity

20 : Error

Explanation

After the migration, the starting of the &MQQPUBSUB_short could not be performed.

Response

Determine (from the reason) why the &MQQPUBSUB_short could not be started, correct the problem and then manually issue the following MQSC command: ALTER QMGR PSMODE(ENABLED)

AMQ5947

The setting of PSMODE is not COMPAT for queue manager <insert_1>

Severity

20 : Error

Explanation

The queue manager property PSMODE must be set to COMPAT for queue manager <insert_1> to allow pub/sub migration to happen.

Response

None.

AMQ5948

Some properties of RFH1 format retained messages cannot be retrieved from the broker. If there are RFH1 format retained messages in the broker then you should check that the retained publication that has been migrated to the queue manager is in fact correct.

Severity

10 : Warning

Explanation

Some properties of RFH1 format retained messages cannot be retrieved from the broker. If there are RFH1 format retained messages in the broker then you should check that the retained publication that has been migrated to the queue manager is in fact correct. See the MQ documentation for more details.

Response

Check whether the WMB broker does in fact have retained publications that were published in RFH1 format and, if so, manually migrate them to the queue manager.

AMQ5949

Unable to set environment for mqsisstop command.

Severity

20 : Error

Explanation

The migration tool attempts to stop the broker once migration is complete and has to set environment variables in order to do this. The attempt to set one or more of those variables failed.

Response

Review the migration log file or run the migration again with trace turned on to obtain more detail of the reason for the failure.

AMQ5950

Unable to resume an interrupted migration run.

Severity

20: Error

Explanation

The migration tool found that a previous run had been interrupted. It normally attempts to resume that migration run from the point where it was interrupted, but on this occasion was unable to do so because the interruption occurred while processing multiple subIdentities for a subscription.

Response

Run the migration again with the -s switch turned on to prevent resumption of the previous run and also with the -o switch to force existing definitions in the queue manager to be overwritten by the definitions brought from the broker.

AMQ5960

Distributed pub/sub command processor stopping because of errors.

Severity

20 : Error

Explanation

A severe error, as reported in the preceding messages, occurred during distributed pub/sub command processing. The pub/sub command processor was unable to continue and terminates.

Response

Correct the problem reported in the preceding messages.

AMQ5961

Distributed pub/sub publication processor stopping because of errors.

Severity

20 : Error

Explanation

A severe error, as reported in the preceding messages, occurred during distributed pub/sub publication processing. The pub/sub publication processor was unable to continue and terminates.

Response

Correct the problem reported in the preceding messages.

AMQ5962

Distributed pub/sub proxy-subscription fan out process is stopping because of errors.

Severity

20 : Error

Explanation

A severe error, as reported in the preceding messages, occurred during distributed pub/sub proxy-subscription fan out. The pub/sub proxy-subscription fan out process was unable to continue and terminates.

Response

Correct the problem reported in the preceding messages.

AMQ5963

Queued Pub/Sub Daemon Unavailable.

Severity

20 : Error

Explanation

The Distributed publish/subscribe process was unable to contact the queued pub/sub Daemon. If there is a problem with the Daemon, this should be highlighted in preceding messages. Hierarchical connections will not be further processed until the problem is rectified.

Response

Correct the problem reported in the preceding messages. When the Daemon becomes available, it may be necessary to perform a REFRESH QMGR TYPE(PROXYSUB) to resync subscriptions.

AMQ5964

Pub/sub hierarchy connected.

Severity

0 : Information

Explanation

A pub/sub hierarchy connection has been established with child or parent queue manager <insert_3>.

Response

None.

AMQ5965

Pub/sub hierarchy disconnected.

Severity

0 : Information

Explanation

A pub/sub hierarchy connection has ended with child or parent queue manager <insert_3>.

Response

None.

AMQ5966

A previous publication is being incorrectly processed again.

Severity

30 : Severe error

Explanation

A publication, previously processed by this queue manager, has been received. This message will not be published again and will be processed according to the message's report options. Additional messages may be written if this publication is sent to the dead-letter queue. This is caused by an invalid configuration of a hierarchy and a pub/sub cluster.

Response

Correct the configuration to remove the loop. Check the message properties in the dead-letter queue to determine the route taken.

AMQ5967

Unable to deliver proxy subscription to queue manager <insert_3>. Reason code: <insert_1>.

Severity

20 : Error

Explanation

Unable to deliver proxy subscription to queue manager <insert_3>. Reason code: <insert_1>. This may result in subscriptions not receiving publications from <insert_3>.

Response

Correct the configuration to allow proxy subscriptions to be delivered to <insert_3>. When the problem has been resolved, it will be necessary to perform a REFRESH QMGR TYPE(PROXYSUB) to resynchronize subscriptions.

AMQ5972

Distributed Pub/Sub fanout request put failed.

Severity

20 : Error

Explanation

Unable to place subscription fanout request to the Distributed publish/subscribe fanout request queue <insert_3>. The associated reason code is <insert_1>.

Response

Correct the problem reported in the preceding messages. When the problem has been resolved, it may be necessary to perform a REFRESH QMGR TYPE(PROXYSUB) to resync subscriptions.

AMQ5979

Proxy subscription from <insert_3> rejected because PSCLUS(DISABLED).

Severity

10 : Warning

Explanation

Queue manager attribute PSCLUS has been set to DISABLED to indicate that Publish/Subscribe activity is not expected between queue managers in this cluster. However, a cluster subscription has

been sent to this queue manager over a channel from <insert_3>. The proxy subscription request will be ignored and no subscription locally registered.

Response

If you need to enable publish/subscribe clustering, alter the PSCLUS attribute on all queue managers in the cluster to ENABLED. You might also need to issue REFRESH CLUSTER and REFRESH QMGR commands as detailed in the PSCLUS documentation. If you are not using publish/subscribe clusters you should delete the clustered topic object, and ensure that PSCLUS is DISABLED on all queue managers.

AMQ5980

Distributed Pub/Sub proxy subscription re-synchronization occurred at startup.

Severity

0 : Information

Explanation

The Distributed publish/subscribe process was unable to determine that the proxy subscription state was consistent across shutdown and restart so a re-synchronization with remote queue managers has been performed. This is usually seen when a queue manager was not quiesced cleanly on the previous shutdown or when the system was particularly busy.

Response

None.

AMQ5981

Disabling Publish/Subscribe when participating in a Publish/Subscribe Cluster.

Severity

10 : Warning

Explanation

This queue manager is a member of a Publish/Subscribe Cluster but Publish/Subscribe has been disabled. Other queue managers within the cluster will continue to send publications and proxy subscriptions to this queue manager. They will accumulate on the Publish/Subscribe Cluster system queues and will not be processed until Publish/Subscribe is enabled. If these queues become full channel failure may occur, which will affect the operation of Publish/Subscribe on other queue managers in the cluster. This will also affect the delivery of other messages, unrelated to Publish/Subscribe, that are sent to this queue manager from other queue managers within the cluster.

Response

Enable Publish/Subscribe by setting PSMODE to ENABLED or COMPAT with the ALTER QMGR command, and then issue the REFRESH QMGR TYPE(PROXYSUB) command to resynchronize subscriptions.

AMQ5982

Disabling Queued Publish/Subscribe while participating in a Publish/Subscribe Hierarchy.

Severity

10 : Warning

Explanation

This queue manager is a member of a Publish/Subscribe hierarchy but Queued Publish/Subscribe has been disabled. Any parent-child relations within the Publish/Subscribe hierarchy will continue to send publications and proxy subscriptions to this queue manager. They will accumulate on the Queued Publish/Subscribe system queues and will not be processed until Queued Publish/Subscribe is enabled. If the Queued Publish/Subscribe system queues become full channel failure may occur, which will affect the operation of Publish/Subscribe on parent-child relations sending messages to this queue manager. This will also affect the delivery of other messages, unrelated to Publish/Subscribe, that are to be delivered using the same channels.

Response

Enable Queued Publish/Subscribe by setting PSMODE to ENABLED with the ALTER QMGR command. When Queued Publish/Subscribe has been restarted, use the DISPLAY PUBSUB ALL command to confirm this has completed, and then issue the REFRESH QMGR TYPE(PROXYSUB) command to resynchronize subscriptions.

AMQ6000-6999: Common services

AMQ6004

An error occurred during IBM WebSphere MQ initialization or ending.

Severity

30 : Severe error

Explanation

An error was detected during initialization or ending of IBM WebSphere MQ The IBM WebSphere MQ error recording routine has been called.

Response

Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6005 (IBM i)

An error occurred during IBM WebSphere MQ startup.

Severity

30 : Severe error

Explanation

An attempt to start the storage monitor process (job QMQM in subsystem QSYSWRK) was unsuccessful.

Response

Check the joblog for this job and for the QMQM job for possible reasons for failure, correct the error and try the command again. If the problem is not resolved, a problem may have been logged. Use WRKPRB to record the problem identifier, and to save the QPSRVDMP, QPJOBLOG, and QPDSPJOB files. Save any generated output files and use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6015

The operating system is either too busy or has insufficient resources to complete a system request.

Severity

30 : Severe error

Explanation

A system request *<insert_3>* was rejected by the operating system with return code *<insert_1>*. IBM WebSphere MQ retried the request, but it continued to fail. This failure may indicate that the operating system is either too busy or has insufficient resources to complete the request.

Response

Investigate whether the system is constrained by the workload on this system or by the workload on a server that it is using, and reduce the workload.

AMQ6024

Insufficient resources are available to complete a system request.

Severity

30 : Severe error

Explanation

A system request was rejected by the operating system because insufficient resources are available to complete the request. Use any previous FFSTs, error log messages or, on Windows, system event log messages, to determine which resource is insufficient.

Response

Investigate whether the system has been configured in accordance with the documentation and increase the necessary resource to allow the system request to complete successfully.

AMQ6025

Program not found.

Severity

30 : Severe error

Explanation

IBM WebSphere MQ is unable to start program <insert_3> because it was not found.

Response

Check the program name is correctly specified and rerun the program.

AMQ6026

A resource shortage prevented the creation of a IBM WebSphere MQ process.

Severity

30 : Severe error

Explanation

An attempt to create an IBM WebSphere MQ process was rejected by the operating system due to a process limit (either the number of processes for each user or the total number of processes running system wide), or because the system does not have the resources necessary to create another process.

Response

Investigate whether a process limit is preventing the creation of the process and if so why the system is constrained in this way. Consider raising this limit or reducing the workload on the system.

AMQ6035

IBM WebSphere MQ failed, no storage available.

Severity

30 : Severe error

Explanation

An internal function of the product attempted to obtain storage, but there was none available.

Response

Stop the product and restart it. If this does not resolve the problem, save any generated output files and use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ6037

IBM WebSphere MQ was unable to obtain enough storage.

Severity

20 : Error

Explanation

The product is unable to obtain enough storage. The product's error recording routine may have been called.

Response

Stop the product and restart it. If this does not resolve the problem see if a problem has been recorded. If a problem has been recorded, use the standard facilities supplied with your system to record the problem identifier and to save any generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6047

Conversion not supported.

Severity

30 : Severe error

Explanation

IBM WebSphere MQ is unable to convert string data tagged in CCSID *<insert_1>* to data in CCSID *<insert_2>*.

Response

Check the IBM WebSphere MQ Application Programming Reference Appendix and the appropriate National Language Support publications to see if the CCSIDs are supported by your system.

AMQ6048

DBCS error

Severity

30 : Severe error

Explanation

IBM WebSphere MQ is unable to convert string data due to a DBCS error. Conversion is from CCSID *<insert_1>* to CCSID *<insert_2>*.

Response

Check the IBM WebSphere MQ Application Programming Reference Appendix and the appropriate National Language Support publications to see if the CCSIDs are supported by your system.

AMQ6049

DBCS-only string not valid.

Severity

30 : Severe error

Explanation

IBM WebSphere MQ is unable to convert string data in CCSID *<insert_1>* to data in CCSID *<insert_2>*. Message descriptor data must be in single-byte form. CCSID *<insert_2>* is a DBCS-only CCSID.

Response

Check the CCSID of your job or system and change it to one supporting SBCS or mixed character sets. Refer to the IBM WebSphere MQ Application Programming Reference Appendix and the appropriate National Language Support publications for character sets and CCSIDs supported.

AMQ6050

CCSID error.

Severity

30 : Severe error

Explanation

IBM WebSphere MQ is unable to convert string data in CCSID *<insert_1>* to data in CCSID *<insert_2>*.

Response

Check the IBM WebSphere MQ Application Programming Reference Appendix and the appropriate National Language Support publications to see if the CCSIDs are supported by your system.

AMQ6051

Conversion length error.

Severity

30 : Severe error

Explanation

IBM WebSphere MQ is unable to convert string data in CCSID *<insert_1>* to data in CCSID *<insert_2>*, due to an input length error.

AMQ6052

Conversion length error.

Severity

30 : Severe error

Explanation

IBM WebSphere MQ is unable to convert string data in CCSID <insert_1> to data in CCSID <insert_2>.

AMQ6053

CCSID error

Severity

30 : Severe error

Explanation

IBM WebSphere MQ is unable to convert string data in CCSID <insert_1> to data in CCSID <insert_2>.

Response

One of the CCSIDs is not supported by the system. Check the IBM WebSphere MQ Application Programming Reference Appendix and the appropriate National Language Support publications to see if the CCSIDs are supported by your system.

AMQ6064

An internal IBM WebSphere MQ error has occurred.

Severity

30 : Severe error

Explanation

An error has been detected, and the IBM WebSphere MQ error recording routine has been called.

Response

Use the standard facilities supplied with your system to record the problem identifier and to save the generated output files. Use either https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6088 (IBM i)

An internal IBM WebSphere MQ error has occurred.

Severity

40 : Stop Error

Explanation

An internal error occurred when API call <insert_3> was made.

Response

Use WRKPRB to record the problem identifier, and to save the QPSRVDMP, QPJOBLOG, and QPDSPJOB files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6089 (IBM i)

IBM WebSphere MQ was unable to display an error message.

Severity

30 : Severe error

Explanation

An attempt to display an error message was unsuccessful. This may be because the AMQMSG message file could not be found. The message identifier is <insert_3>.

Response

Check that the library list is set up correctly to access the AMQMSG message file. If a change is necessary, rerun the failing application and record the error message. If you are unable to resolve the problem, save any generated output files and use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ,

or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ6090

IBM WebSphere MQ was unable to display an error message *<insert_6>*.

Severity

0 : Information

Explanation

IBM WebSphere MQ has attempted to display the message associated with return code hexadecimal *<insert_6>*. The return code indicates that there is no message text associated with the message. Associated with the request are inserts *<insert_1>* : *<insert_2>* : *<insert_3>* : *<insert_4>* : *<insert_5>*.

Response

Use the standard facilities supplied with your system to record the problem identifier and to save any generated output files. Use either the [IBM WebSphere MQ support web page at IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ](https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ), or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6091

An internal IBM WebSphere MQ error has occurred.

Severity

0 : Information

Explanation

Private memory has detected an error, and is abending due to *<insert_3>*. The error data is *<insert_1>*.

Response

Use the standard facilities supplied with your system to record the problem identifier and to save any generated output files. Use either the [IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ](https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ), or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6092 (Windows)

Manual conversion required for CCSID: *<insert_1>*

Severity

0 : Information

Explanation

CCSID *<insert_1>* exists in new format but could not be reconciled against your old format.

Response

Manually edit CCSID entry *<insert_1>* in conv\table\ccsid.tbl if you wish to retain your old conversion. For assistance call your Service Representative.

AMQ6100

An internal IBM WebSphere MQ error has occurred.

Severity

0 : Information

Explanation

IBM WebSphere MQ has detected an error, and is abending due to *<insert_3>*. The error data is *<insert_1>*.

Response

Use the standard facilities supplied with your system to record the problem identifier and to save any generated output files. Use either the [IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ](https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ)

support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6103 (IBM i)

IBM WebSphere MQ job submission error.

Severity

30 : Severe error

Explanation

IBM WebSphere MQ is unable to submit job *<insert_3>*.

AMQ6107

CCSID not supported.

Severity

30 : Severe error

Explanation

IBM WebSphere MQ is unable to convert string data in CCSID *<insert_1>* to data in CCSID *<insert_2>*, because one of the CCSIDs is not recognized.

Response

Check the IBM WebSphere MQ Application Programming Reference Appendix and the appropriate National Language Support publications to see if the CCSIDs are supported by your system.

AMQ6109

An internal IBM WebSphere MQ error has occurred.

Severity

30 : Severe error

Explanation

An error has been detected, and the IBM WebSphere MQ error recording routine has been called.

Response

Use the standard facilities supplied with your system to record the problem identifier and to save any generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6110

An internal IBM WebSphere MQ error has occurred.

Severity

30 : Severe error

Explanation

An error has been detected, and the IBM WebSphere MQ error recording routine has been called.

Response

Use the standard facilities supplied with your system to record the problem identifier and to save any generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6112 (IBM i)

IBM WebSphere MQ CCSID *<insert_1>* is using a default value.

Severity

10 : Warning

Explanation

When initializing IBM WebSphere MQ, no valid job CCSID was found, so the CCSID used is the default 37. This warning message will be issued until a valid CCSID has been set correctly.

Response

Set the job CCSID.

AMQ6114 (IBM i)

An internal IBM WebSphere MQ error has occurred.

Severity

30 : Severe error

Explanation

An error has been detected, and the IBM WebSphere MQ error recording routine has been called.

Response

Use WRKPRB to record the problem identifier, and to save the QPSRVDMP, QPJOBLOG, and QPDSPJOB files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6115

An internal IBM WebSphere MQ error has occurred.

Severity

10 : Warning

Explanation

An error has been detected, and the IBM WebSphere MQ error recording routine has been called.

Response

Use the standard facilities supplied with your system to record the problem identifier and to save any generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6118

An internal IBM WebSphere MQ error has occurred (<insert_1>)

Severity

40 : Stop Error

Explanation

An error has been detected, and the IBM WebSphere MQ error recording routine has been called.

Response

Use the standard facilities supplied with your system to record the problem identifier and to save any generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6119

An internal IBM WebSphere MQ error has occurred (<insert_3>)

Severity

40 : Stop Error

Explanation

IBM WebSphere MQ detected an unexpected error when calling the operating system. The IBM WebSphere MQ error recording routine has been called.

Response

Use the standard facilities supplied with your system to record the problem identifier and to save any generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6120

An internal IBM WebSphere MQ error has occurred.

Severity

40 : Stop Error

Explanation

An error has been detected, and the IBM WebSphere MQ error recording routine has been called.

Response

Use the standard facilities supplied with your system to record the problem identifier and to save any generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6121

An internal IBM WebSphere MQ error has occurred.

Severity

40 : Stop Error

Explanation

An error has been detected, and the IBM WebSphere MQ error recording routine has been called.

Response

IBM WebSphere MQ has detected a parameter count of *<insert_1>* that is not valid. Use the standard facilities supplied with your system to record the problem identifier and to save any generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6122

An internal IBM WebSphere MQ error has occurred.

Severity

40 : Stop Error

Explanation

An error has been detected, and the IBM WebSphere MQ error recording routine has been called.

Response

IBM WebSphere MQ has detected parameter *<insert_1>* that is not valid, having value *<insert_2><insert_3>*. Use the standard facilities supplied with your system to record the problem identifier and to save any generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6125

An internal IBM WebSphere MQ error has occurred.

Severity

40 : Stop Error

Explanation

An internal error has occurred with identifier *<insert_1>*. This message is issued in association with other messages.

Response

Use the standard facilities supplied with your system to record the problem identifier and to save any generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6134 (IBM i)

Trace continues in buffer

Severity

0 : Information

AMQ6135 (IBM i)

Stopping early trace

Severity

0 : Information

AMQ6136 (IBM i)

Stopping early trace *<insert_3>* system time

Severity

0 : Information

AMQ6137 (IBM i)

Resuming MQI trace

Severity

0 : Information

AMQ6138 (IBM i)

Resuming MQI trace *<insert_3>* system time

Severity

0 : Information

AMQ6139 (IBM i)

Stopping MQI trace

Severity

0 : Information

AMQ6140 (IBM i)

Stopping MQI trace *<insert_3>* system time

Severity

0 : Information

AMQ6141 (IBM i)

Starting MQI trace

Severity

0 : Information

AMQ6142 (IBM i)

Starting MQI trace *<insert_3>* system time

Severity

0 : Information

AMQ6143 (IBM i)

IBM WebSphere MQ function stack

Severity

0 : Information

AMQ6144 (IBM i)

No stack available

Severity

0 : Information

AMQ6145 (IBM i)

Terminating MQI trace

Severity

0 : Information

AMQ6146 (IBM i)

Entering end job processing

Severity

0 : Information

AMQ6147 (IBM i)

Terminating MQI trace <insert_3> system time

Severity

0 : Information

AMQ6148

An internal IBM WebSphere MQ error has occurred.

Severity

0 : Information

Explanation

IBM WebSphere MQ has detected an error, and is abending due to <insert_3>. The error data is <insert_1>.

Response

Use the standard facilities supplied with your system to record the problem identifier and to save any generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6150 (Windows)

IBM WebSphere MQ semaphore is busy.

Severity

10 : Warning

Explanation

IBM WebSphere MQ was unable to acquire a semaphore within the normal timeout period of <insert_1> minutes.

Response

IBM WebSphere MQ will continue to wait for access. If the situation does not resolve itself and you suspect that your system is locked then investigate the process which owns the semaphore. The PID of this process will be documented in the accompanying FFST.

AMQ6150 (IBM i)

IBM WebSphere MQ resource <insert_3> busy.

Severity

30 : Severe error

Explanation

IBM WebSphere MQ was unable to access an IBM WebSphere MQ object within the normal timeout period of <insert_1> minutes.

Response

IBM WebSphere MQ will continue to wait for access. Ensure that all jobs using IBM WebSphere MQ are released. If the situation persists, quiesce the queue manager.

AMQ6151 (IBM i)

IBM WebSphere MQ resource <insert_3> released.

Severity

30 : Severe error

Explanation

An IBM WebSphere MQ resource, for which another process has been waiting, for a period of over <insert_1> minutes has been released.

Response

No recovery is needed.

AMQ6152 (IBM i)

IBM WebSphere MQ failed to end commitment control while attempting to quiesce a queue manager.

Severity

30 : Severe error

Explanation

IBM WebSphere MQ failed to end commitment control whilst quiescing queue manager <insert_3>.

Response

There are one or more active resources under commitment control. Use the Work with Job (WRKJOB) command with the OPTION(*CMTCTL) parameter to display the active resources under commitment control. Check the job log for previously issued messages.

AMQ6153 (IBM i)

The attempt to quiesce queue manager <insert_3> failed

Severity

30 : Severe error

Explanation

The attempt to quiesce queue manager <insert_3> was unsuccessful

Response

Check the job log for previously issued messages. If the quiesce was issued with the *CNTRLD option, re-issue the command with the *IMMED option. If a low TIMEOUT retry delay was used, re-issue the request with a higher value.

AMQ6154 (IBM i)

Queue manager <insert_3> has been quiesced.

Severity

0 : Information

Explanation

The queue manager has been successfully quiesced.

Response

None.

AMQ6158 (IBM i)

SBCS CCSID not found.

Severity

30 : Severe error

Explanation

IBM WebSphere MQ is unable to find an SBCS CCSID which corresponds to mixed DBCS-SBCS CCSID <insert_1>.

Response

Check the CCSID of your job or system and check it has a SBCS equivalent. Refer to the National Language Support Planning Guide for character sets and CCSIDs supported. If the CCSID used does have an SBCS equivalent, save the job log containing this message and use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at <https://www.ibm.com/support/home/>

[product/C100515X13178X21/other_software/ibm_support_assistant](https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant), to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ6159 (IBM i)

IBM WebSphere MQ job submission error.

Severity

30 : Severe error

Explanation

IBM WebSphere MQ for IBM i is unable to release job <insert_3>.

Response

Contact your System Administrator to remove job <insert_3>. Ensure you have *JOBCTL authority and try again.

AMQ6160

EXPLANATION:

Severity

0 : Information

AMQ6161

ACTION:

Severity

0 : Information

AMQ6162

An error has occurred reading an INI file.

Severity

20 : Error

Explanation

An error has occurred when reading the MQS.INI file or a queue manager QM.INI file.

Response

If you have been changing the INI file content check and correct the change. If you have not changed the INI file, use the standard facilities supplied with your system to record the problem identifier and to save any generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6162 (Tandem)

An error has occurred reading an INI file.

Severity

20 : Error

Explanation

An error has occurred when reading the MQSINI file or a queue manager QMINI file.

Response

If you have been changing the INI file content check and correct the change. If you have not changed the INI file, use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6162 (Windows)

An error occurred when reading the configuration data.

Severity

20 : Error

Explanation

An error has occurred when reading the configuration data.

Response

If you have changed the configuration data, check and correct the change. If you have not changed the configuration data, use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Use either the [IBM WebSphere MQ support web page](https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ) at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6163

An error has occurred locking an INI file.

Severity

10 : Warning

Explanation

An error has occurred locking the MQS.INI file or a queue manager QM.INI file.

Response

If you have been changing the INI file permissions check and correct the change. If you have not changed the INI file, use the standard facilities supplied with your system to record the problem identifier and to save any generated output files. Use either the [IBM WebSphere MQ support web page](https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ) at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6163 (Tandem)

An error has occurred locking an INI file.

Severity

10 : Warning

Explanation

An error has occurred locking the MQSINI file or a queue manager QMINI file.

Response

If you have been changing the INI file permissions check and correct the change. If you have not changed the INI file, use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Use either the [IBM WebSphere MQ support web page](https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ) at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6163 (Windows)

An error has occurred locking the configuration data.

Severity

10 : Warning

Explanation

An error has occurred locking the configuration data.

Response

If you have changed the the registry permissions, check and correct the change. If you have not changed the registry, use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Use either the [IBM WebSphere MQ](https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ)

support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6164

An expected stanza in an INI file is missing or contains errors.

Severity

10 : Warning

Explanation

An expected stanza is missing from the MQS.INI file or a queue manager QM.INI file or the stanza contains errors.

Response

If you have been changing the INI file content check and correct the change.

AMQ6164 (Tandem)

An expected stanza in an INI file is missing or contains errors.

Severity

10 : Warning

Explanation

An expected stanza is missing from the MQSINI file or a queue manager QMINI file or the stanza contains errors.

Response

If you have been changing the INI file content check and correct the change.

AMQ6164 (Windows)

An expected stanza in the configuration data is missing or contains errors.

Severity

10 : Warning

Explanation

An expected stanza is missing from the configuration data or the stanza contains errors.

Response

If you have changed the configuration data, check and correct the change.

AMQ6165

Unable to access an INI file.

Severity

10 : Warning

Explanation

Access to the MQS.INI file or a queue manager QM.INI file is denied.

Response

If you have been changing the INI file permissions check and correct the change.

AMQ6165 (Tandem)

Unable to access an INI file.

Severity

10 : Warning

Explanation

Access to the MQSINI file or a queue manager QMINI file is denied.

Response

If you have been changing the INI file permissions check and correct the change.

AMQ6165 (Windows)

Unable to access the configuration data.

Severity

10 : Warning

Explanation

Access to the configuration data is denied.

Response

If you have changed the configuration data permissions, check and correct the changes.

AMQ6166

An INI file is missing.

Severity

20 : Error

Explanation

The MQS.INI file or a queue manager QM.INI file is missing.

Response

If you have been changing the INI file recover the previous file and retry the operation.

AMQ6166 (Tandem)

An INI file is missing.

Severity

20 : Error

Explanation

The MQSINI file or a queue manager QMINI file is missing.

Response

If you have been changing the INI file recover the previous file and retry the operation.

AMQ6166 (Windows)

An entry in the configuration data is missing.

Severity

20 : Error

Explanation

A required entry in the configuration data is missing.

Response

If you have changed the configuration data, recover the previous configuration data and retry the operation.

AMQ6172

No codeset found for current locale.

Severity

20 : Error

Explanation

No codeset could be determined for the current locale. Check that the locale in use is supported.

Response

None.

AMQ6173

No CCSID found for codeset <insert_3>.

Severity

20 : Error

Explanation

Codeset <insert_3>. has no supported CCSID. Check that the locale in use is supported. CCSIDs can be added by updating the file /var/mqm/conv/table/ccsid.tbl.

Response

None.

AMQ6174

The library <insert_3> was not found.

Severity

0 : Information

Explanation

The dynamically loadable library <insert_3> was not found. Possible reasons for the error:

(a) Library is not present in the specified path.

(b) Library is present but the architecture of the library does not match the process's architecture which is <insert_5> bit.

(c) Library is present but it has a dependency on other libraries which are not present in the same directory.

Response

Check that the file exists and is either fully qualified or is in the appropriate directory. Check the architecture of the library and process match. Also check if the library has dependency on any other libraries.

AMQ6174 (UNIX and Linux)

The dynamically loadable shared library <insert_3> was not found. The system returned error number <insert_2> and error message <insert_4>.

Severity

0 : Information

Explanation

This message applies to UNIX systems. The shared library <insert_3> was not found.

Response

Check that the file exists, and is either fully qualified or is in the appropriate director, also check the file access permissions.

AMQ6175 (AIX)

The system could not dynamically load the shared library <insert_3>. The system returned error number <insert_2> and error message <insert_4>. The queue manager will continue without this module.

Severity

20 : Error

Explanation

This message applies to AIX systems. The shared library <insert_3> failed to load correctly due to a problem with the library.

Response

Check the file access permissions and that the file has not been corrupted.

AMQ6175 (UNIX and Linux)

The system could not dynamically load the shared library <insert_3>. The system returned error message <insert_4>. The queue manager will continue without this module.

Severity

20 : Error

Explanation

This message applies to UNIX and Linux systems. The shared library <insert_3> failed to load correctly due to a problem with the library.

Response

Check the file access permissions and that the file has not been corrupted.

AMQ6175 (Windows)

The system could not dynamically load the library <insert_3>. The system returned error message <insert_4>. The queue manager will continue without this module.

Severity

20 : Error

Explanation

This message applies to Windows NT and Windows 2000 systems only. The dynamically loadable file *<insert_3>* failed to load correctly due to an internal error. The IBM WebSphere MQ error recording routine has been called.

Response

Check that the file has not been corrupted then use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6177 (Windows)

An internal IBM WebSphere MQ error has occurred.

Severity

40 : Stop Error

Explanation

An error has been detected, and the IBM WebSphere MQ error recording routine has been called.

Response

Details of the error have been stored at *<insert_3>*. A synopsis is given in the data section below. Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6179

The system could not find symbol *<insert_5>* in the dynamically loaded library *<insert_3>*. The system returned error number *<insert_2>* and error message *<insert_4>*.

Severity

20 : Error

Explanation

The library *<insert_3>* does not contain symbol *<insert_5>* or it has not been exported.

Response

Check that symbol name *<insert_5>* is correct and has been exported from the library.

AMQ6179 (UNIX and Linux)

The system could not find the symbol *<insert_5>* in the dynamically loaded shared library *<insert_3>*. The system returned error message *<insert_4>*.

Severity

20 : Error

Explanation

This message applies to UNIX and Linux systems. The shared library *<insert_3>* does not contain symbol *<insert_5>* or it has not been exported.

Response

Check that symbol name *<insert_5>* is correct and has been exported from the library.

AMQ6180 (Windows)

Default conversion not supported.

Severity

30 : Severe error

Explanation

IBM WebSphere MQ is unable to convert string data tagged in CCSID <insert_1> to data in CCSID <insert_2>.

Response

Check the default CCSIDs specified in the ccsid.tbl file and make sure that conversion is supported between these CCSIDs.

AMQ6182

Error found in line <insert_1> of ccsid.tbl

Severity

30 : Severe error

Explanation

Line <insert_1> contains an error. The content of the line is <insert_3>. Processing continues but the line in error is ignored.

Response

Correct the line and rerun the program or command giving this message.

AMQ6183

An internal IBM WebSphere MQ error has occurred.

Severity

10 : Warning

Explanation

An error has been detected, and the IBM WebSphere MQ error recording routine has been called. The failing process is process <insert_1>.

Response

Use the standard facilities supplied with your system to record the problem identifier and to save any generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6184

An internal IBM WebSphere MQ error has occurred on queue manager <insert_3>.

Severity

10 : Warning

Explanation

An error has been detected, and the IBM WebSphere MQ error recording routine has been called. The failing process is process <insert_1>.

Response

Use the standard facilities supplied with your system to record the problem identifier and to save any generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6184 (IBM i)

An internal IBM WebSphere MQ error has occurred.

Severity

10 : Warning

Explanation

An internal IBM WebSphere MQ error has occurred on queue manager <insert_3> and the IBM WebSphere MQ error recording routine has been called. The failing process is process <insert_1>.

Response

Use the standard facilities supplied with your system to record the problem identifier and to save any generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6187

User is not authorized for RestrictedMode queue manager.

Severity

40 : Stop Error

Explanation

All users must be in the RestrictedMode application_group.

AMQ6188 (AIX)

The system could not dynamically load the shared library <insert_3> as the entry point to the library, symbol 'MQStart', could not be located within the library. The queue manager will continue without this library.

Severity

20 : Error

Explanation

This message applies to AIX systems. The shared library <insert_3> failed to load correctly due to a problem with the library.

Response

Check that the entry point to the library, symbol 'MQStart', exists and has been exported from the library.

AMQ6188 (UNIX and Linux)

The system could not dynamically load the shared library <insert_3> as the entry point to the library, symbol 'MQStart', could not be located within the library. The system returned error message <insert_4>. The queue manager will continue without this library.

Severity

20 : Error

Explanation

This message applies to UNIX and Linux systems. The shared library <insert_3> failed to load correctly due to a problem with the library.

Response

Check that the entry point to the library, symbol 'MQStart', exists and has been exported from the library.

AMQ6188 (Windows)

The system could not dynamically load the library <insert_3> due to a problem with the dll. The errno was <insert_1>. The queue manager will continue without this module.

Severity

20 : Error

Explanation

This message applies to Windows NT and Windows 2000 systems only. The dynamically loadable file <insert_3> failed to load correctly due to a problem with the dll.

Response

Check that the dll is in the correct place with the correct file permissions etc. and has not been corrupted.

AMQ6190 (Windows)

Program <insert_3> not found.

Severity

30 : Severe error

Explanation

The program <insert_3> cannot be found.

Response

Check that the program specified is available on your system. If the program name is not fully qualified, ensure that the PATH environment variable includes the directory where the program is located.

AMQ6191 (Windows)

Program <insert_3> failed to start, return code <insert_1>.

Severity

30 : Severe error

Explanation

The program <insert_3> was invoked, but failed to start. The failure reason code is <insert_1>.

Response

Check that the program specified is available on your system, and that sufficient system resources are available. Where applicable, verify that the user is authorized to run the program.

AMQ6192 (Windows)

IBM WebSphere MQ Utilities

Severity

0 : Information

AMQ6193 (Windows)

The registry entry <insert_3> was not found.

Severity

20 : Error

Explanation

IBM WebSphere MQ for Windows NT and Windows 2000 sets the registry entry <insert_3> when the product is installed, but the entry is now missing.

Response

If the registry has been edited, restore the previous version. If the product is newly installed, check whether the installation was successful, and reinstall the product if necessary.

AMQ6196

An error has occurred whilst processing a temporary INI file <insert_3>

Severity

20 : Error

Explanation

An error has occurred when creating a backup of an INI file. The backup file <insert_4> already exists

Response

You may have created a backup of the INI file with the name <insert_4>, or an earlier operation may have failed. Move or delete the file <insert_4> and reattempt the operation. If you have not changed the INI file, use the standard facilities supplied with your system to record the problem identifier and to save any generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6207 (AIX)

Failed to attach shared memory segment as Segment table is Full.

Severity

20 : Error

Explanation

IBM WebSphere MQ has attempted to attach a memory segment but was unable to do so because all available segment areas are in use. 32 bit programs on AIX may attach up to a maximum of 10 shared memory segments. If the application has modified the data area layout, for example by reserving more of the address space for the program heap, this maximum number may be further reduced.

Response

Examine the needs of your application to see if the number of attached segments can be reduced. Alternatively by building your application as a 64bit program the limit of 10 shared memory segments is removed.

AMQ6209

An unexpected asynchronous signal (<insert_1> : <insert_3>) has been received and ignored.

Severity

10 : Warning

Explanation

Process <insert_2> received an unexpected asynchronous signal and ignored it. This has not caused an error but the source of the signal should be determined as it is likely that the signal has been generated externally to IBM WebSphere MQ

Response

Determine the source of the signal and prevent it from recurring.

AMQ6212

Failed to load Library <insert_3> as C++ environment is not initialised.

Severity

20 : Error

Explanation

An attempt was made to load the identified C++ shared library. However, the attempt failed because the C++ environment has not been initialized for the current process.

Response

Ensure the application is linked with the appropriate C++ runtime environment.

AMQ6218 (AIX)

EXTSHM variable detected with unrecognised value <insert_3> and has been reset to <insert_4>.

Severity

20 : Error

Explanation

Processes that access the internal queue manager control blocks must use the AIX Extended Shared Memory model, and while one such process was starting, IBM WebSphere MQ detected that the EXTSHM variable was set but did not contain an appropriate value. This value has been reset and the process will continue with the new setting.

Response

No further action is required. To prevent this message being issued in future, correct the value of the EXTSHM variable in your environment.

AMQ6224 (Tandem)

The environment variable have not been set up correctly.

Severity

10 : Warning

Response

Check that the environment variables correspond to the configuration file.

AMQ6230

Message <insert_3> suppressed <insert_1> times in the last <insert_4> seconds.

Severity

10 : Warning

Explanation

Message *<insert_3>* was issued *<insert_2>* times in the last *<insert_4>* seconds but only the first instance of the message was written to the log. The suppressed messages may have included differing message arguments.

Response

If you wish to see all occurrences of this message you should alter the definition of the SuppressMessage attribute in the Queue Manager configuration.

AMQ6232 (UNIX and Linux)

Operating System userid *<insert_3>* not found.

Severity

20 : Error

Explanation

A request was made to the operating system to lookup the details of the identified userid but the request failed.

Response

Using the operating system supplied tools check for the existence of the identified userid, and if missing then re-create it.

AMQ6233 (UNIX and Linux)

Operating System authorisation group *<insert_3>* not found.

Severity

20 : Error

Explanation

A request was made to the operating system to lookup the details of the identified group but the request failed.

Response

Using the operating system supplied tools check for the existence of the identified group, and if missing then re-create it.

AMQ6234 (UNIX and Linux)

Unknown Queue Manager name specified.

Severity

20 : Error

Explanation

An invalid Queue Manager name *<insert_3>* was specified in the parameters to the command.

Response

Reissue the command specifying a valid Queue Manager name.

AMQ6235 (UNIX and Linux)

Directory *<insert_3>* missing.

Severity

20 : Error

Explanation

The identified directory is missing.

Response

Reissue the command selecting the option to create missing directories.

AMQ6236 (UNIX and Linux)

Missing directory *<insert_3>* has been created.

Severity

20 : Error

Explanation

The identified directory was missing but has been created.

Response

None

AMQ6237 (UNIX and Linux)

File <insert_3> missing.

Severity

20 : Error

Explanation

The identified file is missing.

Response

Reissue the command selecting the option to create missing files.

AMQ6238 (UNIX and Linux)

Missing file <insert_3> has been created.

Severity

20 : Error

Explanation

The identified file was missing but has been created.

Response

None

AMQ6239 (Windows, UNIX and Linux)

Permission denied attempting to access filesystem location <insert_3>.

Severity

20 : Error

Explanation

An attempt to query the filesystem object identified failed because the command issued did not have authority to access the object.

Response

Check the authority on the object and of the user executing the command and reissue the command.

AMQ6240 (UNIX and Linux)

You must be an operating system superuser to run this command.

Severity

20 : Error

Explanation

In order to run this command you must be logged on as a user with superuser privileges.

Response

Log in as an appropriate user and reissue the command.

AMQ6241 (UNIX and Linux)

The filesystem object <insert_3> is a symbolic link.

Severity

20 : Error

Explanation

While checking the filesystem, an object was found which is a symbolic link.

Response

This is not an error however you should verify that the symbolic link is expected and that the destination of the symbolic link is correct.

AMQ6242 (UNIX and Linux)

Incorrect ownership for <insert_3>. Current(<insert_1>) Expected(<insert_2>)

Severity

20 : Error

Explanation

The filesystem object *<insert_3>* is owned by the user with uid *<insert_1>* when it was expected to be owned by the user with uid *<insert_2>*.

Response

Correct the ownership using operating system commands or reissue the command selecting the option to fix the incorrect ownership.

AMQ6243 (UNIX and Linux)

Incorrect group ownership for *<insert_3>*. Current(*<insert_1>*) Expected(*<insert_2>*)

Severity

20 : Error

Explanation

The filesystem object *<insert_3>* is owned by the group with gid *<insert_1>* when it was expected to be owned by the group with gid *<insert_2>*.

Response

Correct the ownership using operating system commands or reissue the command selecting the option to fix the incorrect ownership.

AMQ6244 (UNIX and Linux)

Incorrect permissions on object *<insert_3>*. Current(*<insert_4>*) Expected(*<insert_5>*)

Severity

20 : Error

Explanation

The filesystem object *<insert_3>* has the wrong file permissions.

Response

Correct the ownership using operating system commands or reissue the command selecting the option to fix the incorrect ownership.

AMQ6245 (UNIX and Linux)

Error executing system call *<insert_3>* on file *<insert_4>* error *<insert_2>*.

Severity

20 : Error

Explanation

The execution of the system call *<insert_3>* on file *<insert_4>* failed and the error code *<insert_2>* was returned.

Response

Investigate the cause of the failure using the operating system error code *<insert_1>* and reissue the command.

AMQ6251 (UNIX and Linux)

The system could not dynamically load the shared library *<insert_3>*. The queue manager will continue without this module.

Severity

20 : Error

Explanation

This message applies to UNIX and Linux systems. The shared library *<insert_3>* failed to load as it is probably a *<insert_1>*-bit library, a *<insert_2>*-bit library is required. Note that IBM WebSphere MQ tried to find a *<insert_2>*-bit library named either *<insert_4>* or *<insert_5>*, but failed. The following message gives details of the original failure.

Response

Supply the name of a *<insert_2>*-bit library.

AMQ6252 (UNIX and Linux)

The system could not dynamically load the shared library *<insert_3>*. The queue manager will continue without this module.

Severity

20 : Error

Explanation

This message applies to UNIX and Linux systems. The shared library *<insert_3>* failed to load as it is probably a *<insert_1>*-bit library, a *<insert_2>*-bit library is required. Note that IBM WebSphere MQ found and loaded a *<insert_2>*-bit library named *<insert_4>* however this also failed to load with the system returning error message *<insert_5>*. The following message gives details of the original failure.

Response

Supply the name of a *<insert_2>*-bit library.

AMQ6253 (UNIX and Linux)

The system could not dynamically load the shared library *<insert_3>*. The queue manager will continue without this module.

Severity

20 : Error

Explanation

This message applies to UNIX and Linux systems. The shared library *<insert_3>* failed to load as it is probably a *<insert_1>*-bit library, a *<insert_2>*-bit library is required. Note that IBM WebSphere MQ attempted to locate and load a *<insert_2>*-bit library named either of these: *<insert_4>*. The first library failed to load as it also is probably a *<insert_1>*-bit library, the second library is a *<insert_2>*-bit library, however this also failed to load with the system returning error message *<insert_5>*. The following message gives details of the original failure.

Response

Supply the name of a *<insert_2>*-bit library.

AMQ6254 (UNIX and Linux)

The system could not dynamically load the shared library *<insert_3>*, library *<insert_4>* has been used instead.

Severity

0 : Information

Explanation

This message applies to UNIX and Linux systems. The shared library *<insert_3>* failed to load as it is probably a *<insert_1>*-bit library, a *<insert_2>*-bit library is required. Note that IBM WebSphere MQ has successfully located and loaded a *<insert_2>*-bit library named *<insert_4>*.

Response

Supply the name of a *<insert_2>*-bit library or put the library (alternatively a symbolic link can be used) in the appropriate place: 32-bit libraries in */var/mqm/exits*; 64-bit libraries in */var/mqm/exits64*.

AMQ6255 (UNIX and Linux)

The system could not dynamically load the shared library *<insert_3>*. The queue manager will continue without this module.

Severity

20 : Error

Explanation

This message applies to UNIX and Linux systems. The shared library *<insert_3>* failed to load as it is probably a *<insert_1>*-bit library, a *<insert_2>*-bit library is required. The following message gives details of the original failure.

Response

Supply the name of a *<insert_2>*-bit library.

AMQ6256 (Windows)

The system could not dynamically load the shared library *<insert_3>*. The queue manager will continue without this module.

Severity

20 : Error

Explanation

This message applies to Windows systems. The shared library *<insert_3>* failed to load as it is probably a *<insert_1>*-bit library, a *<insert_2>*-bit library is required. Note that IBM WebSphere MQ tried to find a *<insert_2>*-bit library named *<insert_4>*, but failed. The following message gives details of the original failure.

Response

Supply the name of a *<insert_2>*-bit library.

AMQ6257

Message suppression enabled for message numbers (*<insert_3>*).

Severity

0 : Information

Explanation

The message contain's a list of message id's for which entries repeated within the *<insert_1>* suppression interval will be suppressed.

Response

If you wish to see all occurrences of these messages you should alter the definition of the SuppressMessage attribute in the Queue Manager configuration.

AMQ6258

Message exclusion enabled for message numbers (*<insert_3>*).

Severity

0 : Information

Explanation

The message contain's a list of message id's which have been excluded. Requests to write these messages to the error log will be discarded.

Response

If you wish to see instances of these messages you should alter the definition of the ExcludeMessage attribute in the Queue Manager configuration.

AMQ6259

Message *<insert_3>* cannot be *<insert_4>*.

Severity

10 : Warning

Explanation

Message *<insert_3>* cannot be excluded or suppressed but was specified in the ExcludeMessage or SuppressMessage configuration for the Queue Manager. The Queue Manager will continue however the request to suppress or exclude this message will be ignored.

Response

Update the Queue Manager configuration to remove the specified message identifier.

AMQ6260

Help Topic not found

Severity

10 : Warning

Explanation

The requested help topic could not be located.

For further assistance, refer to the IBM WebSphere MQ manuals.

Response

Ensure that the IBM WebSphere MQ InfoCenter is installed.

AMQ6261 (UNIX and Linux)

An exception occurred trying to dynamically load shared library *<insert_3>*. The queue manager will continue without this module.

Severity

20 : Error

Explanation

This message applies to UNIX and Linux systems. Exception number *<insert_1>* name *<insert_4>*, occurred trying to dynamically load shared library *<insert_3>*.

Response

Check the shared library has not been corrupted. If the shared library contains any initializer functions, ensure these are not causing the problem and that they conform to the expected function prototype.

AMQ6261 (Windows)

An exception occurred trying to load DLL *<insert_3>*. The queue manager will continue without this module.

Severity

20 : Error

Explanation

This message applies to Windows systems only. Exception number *<insert_1>* error *<insert_4>*, occurred trying to load DLL *<insert_3>*.

Response

Check the DLL has not been corrupted. If the DLL contains any initializer functions, ensure these are not causing the problem and that they conform to the expected function prototype.

AMQ6263

Usage: dspmqras [-t CollectionType]

Severity

20 : Error

Response

None.

AMQ6266 (Windows)

Error *<insert_1>* occurred accessing shared trace data, *<insert_3>*

Severity

30 : Severe error

Explanation

The IBM WebSphere MQ common services module needs to access an area of named shared memory so that various functions, including trace, can be co-ordinated between all processes on a machine or session.

For a server install, this area should have been created by the IBM WebSphere MQ services process (amqsvc.exe) and is thus shared globally, on a client-only install, or where the IBM WebSphere MQ services are not running, it should be created for this session only.

This failure implies that the named shared memory (normally mqm.SHRSEG.0) has been created by another process on the system in such a way that access to it from IBM WebSphere MQ processes is denied.

Response

Investigate which process on the machine has created the named shared memory and, if it is an IBM WebSphere MQ process or IBM WebSphere MQ application investigate why the permissions have been set to disallow others to connect.

If the process that created this area is not related to IBM WebSphere MQ, investigate why it has created this specifically named area.

AMQ6271

Detected 64-bit JVM, but not using the Resource Recovery Services adapter

Severity

30 : Severe error

Explanation

The only zOS adapter supported in the 64-bit mode is the Resource Recovery Services adapter

Response

Do not specify the com.ibm.mq.adapter system property

AMQ6272

com.ibm.mq.adapter set to *<insert_0>*, which is invalid

Severity

30 : Severe error

Explanation

The adapter is not valid in this environment

Response

Set the com.ibm.mq.adapter to a valid value

AMQ6276

group name *<insert_3>* size *<insert_1>* is too long to be used for *<insert_4>*.

Severity

20 : Error

Explanation

<insert_4> has not been authorised for use by the groupname *<insert_3>*. This will not affect users who are members of group mqm.

Response

Save any generated output files and use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ6277

function name *<insert_5>* returned *<insert_1>* when creating a SID for group *<insert_3>* while creating object '\$4'.

Severity

20 : Error

Explanation

<insert_4> has not been authorised for use by the groupname *<insert_3>*. This will not affect users who are members of group mqm.

Response

Save any generated output files and use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ6280

Usage: **amqxdbg** *([-x] (-i pid[.tid] | -p program_name) | -s)*

Severity

00 : Information

Explanation

The user provided an incorrect set of arguments to the **amqxdbg** command.

```
-i - Request a program FDC from the process identified by
    'pid' and 'tid'.
-p - Request a program FDC from the process identified by the
    supplied program name. To match more than one program name
    the wildcard character '*' may be used at the end of the
    'program_name' specification.
-x - Delete the entry identified by the -i or -p parameters
-s - Show the status of debug entries
```

Response

Re-issue the command using the appropriate arguments.

AMQ6281

Debug entry defined.

Severity

00 : Information

Explanation

The **amqxdbg** command completed successfully and a debug entry was added.

Response

None.

AMQ6282

Debug entry removed.

Severity

00 : Information

Explanation

The **amqxdbg** command completed successfully and a debug entry was removed.

Response

None.

AMQ6283

Debug entry not found.

Severity

20 : Error

Explanation

The debug entry identified was not found and could not be removed.

Response

None.

AMQ6284

Debug entry could not be defined. The limit on the number of entries has been reached.

Severity

20 : Error

Explanation

The **amqxdbg** command attempted to add a debug entry but could not because the limit on the number of entries which can be defined was reached.

Response

Use the '-x' option to remove debug entries which are no longer required and re-issue the command.

AMQ6285

Process *<insert_1>* does not exist.

Severity

20 : Error

Explanation

The **amqxdbg** command attempted to add a debug entry but could not because the process with process identifier *<insert_1>* is not running.

Response

Check the supplied process identifier and re-issue the command.

AMQ6286

The filesystem at location *<insert_3>* is read-only.

Severity

20 : Error

Explanation

An attempt to write to the filesystem failed because it is read-only. Likely causes are that you specified the location incorrectly or the filesystem has been incorrectly configured.

Response

Identify where the location was specified and check it is correct. Check that the filesystem has been configured correctly.

AMQ6287

IBM WebSphere MQ V<insert_5>.

Severity

00 : Information

Explanation

IBM WebSphere MQ system information:

```
Host Info      :- <insert_3>
Installation   :- <insert_4>
Version       :- <insert_5>
```

Response

None.

AMQ6290

Unknown installation <insert_3> detected.

Severity

20 : Error

Explanation

When executing program <insert_4>, IBM WebSphere MQ detected that, due to the configuration of the environment, resources were loaded from <insert_3>. MQ could not determine the installation name for these resources. The program cannot complete successfully while the program is executing using resources from an unknown installation.

Response

Configure the environment so that all resources required by program <insert_4> are loaded from an correctly installed installation.

AMQ6290 (UNIX)

Unknown installation path <insert_3> detected.

Severity

20 : Error

Explanation

When executing program <insert_4>, MQ detected that its resources were loaded from <insert_3>, MQ could not determine from <insert_5> the installation name and identifier for these resources. The program cannot complete successfully while the program is executing using resources from an unknown installation.

Response

Check that <insert_5> exists and has an Installation entry with 'Path=<insert_3>'. If '<insert_5>' has been corrupted, run **crtmqinst -r** to reconstruct the file.

AMQ6291

Error <insert_1> occurred during IBM WebSphere MQ process initialization.

Severity

20 : Error

Explanation

An unexpected error was encountered while initializing the process. The process will terminate immediately. The error was <insert_1>. The MQ error recording routine may have been called.

Response

Use the standard facilities supplied with your system to record the problem identifier, and to save any generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard any files until the problem has been resolved.

AMQ6292

The queue manager is associated with a different installation.

Severity

20 : Error

Explanation

A command was issued which attempted to connect to a queue manager, but the installation that the command was issued from does not match the installation that the queue manager is associated with. The attempt to connect failed.

Response

Reissue the command from the installation that the queue manager is associated with.

AMQ6293

Cannot create symbolic link as a file with the name <insert_3> already exists. Error Number: <insert_1>.

Severity

20 : Error

Explanation

An attempt was made to create a symbolic link with the name <insert_3> but the symbolic link could not be created as a file already exists with the same name.

Response

Verify if the file named <insert_3> as been created in error. If so, remove before reissuing the command. The Error Number may give more details about the cause of the failure.

AMQ6294

Failed to create symbolic link with the name <insert_3>. Error Number: <insert_1>.

Severity

20 : Error

Explanation

An attempt was made to create a symbolic link with the name <insert_3> but the symbolic link could not be created.

Response

The Error Number for the failure may give details about why the symbolic link could not be created. Correct the problem before reissuing the command.

AMQ6295

Unable to remove symbolic link with the name <insert_3>. Error Number: <insert_1>.

Severity

20 : Error

Explanation

An attempt was made to remove a symbolic link with the name <insert_3> but the symbolic link could not be removed.

Response

The Error Number for the failure may give details about why the symbolic link could not be removed. Correct the problem before reissuing the command.

AMQ6296

Cannot remove file <insert_3> as it is not a symbolic link.

Severity

20 : Error

Explanation

An attempt was made to remove a symbolic link with the name *<insert_3>* but it was not removed because the file was not a symbolic link.

Response

Check the definition of the symbolic link and, if incorrect, remove the file before reissuing the command.

AMQ6297

Symbolic link with the name *<insert_3>* cannot be removed. Target *<insert_4>* does not match the expected target *<insert_5>*.

Severity

20 : Error

Explanation

An attempt was made to remove a symbolic link with the name *<insert_3>* but it was not removed because the target of the symbolic link *<insert_4>* does not match the expected target *<insert_5>*.

Response

Check the definition of the symbolic link and, if incorrect, remove the symbolic link manually before reissuing the command.

AMQ6299

An error occurred while creating or checking the directory structure for the queue manager.

Severity

40 : Stop Error

Explanation

During creation, startup or deletion of the queue manager, an error occurred while creating or checking a file or directory. The queue manager could not access the path *<insert_3>*.

Response

None.

AMQ6666 (IBM i)

Required IBM WebSphere MQ system profile(s) can not be accessed.

Severity

40 : Stop Error

Explanation

The required IBM WebSphere MQ system profile(s) QMQM, QMQMADM, or both are not found or have been disabled. IBM WebSphere MQ cannot continue processing the command without the profiles existing and enabled on the system. The major error code is *<insert_3>*, the minor error code is *<insert_4>*. The major error codes and their meanings are as follows: *DISABLED - The user profile has been disabled. *PWDEXP - The password for the user profile has expired. *EXIST - The user profile does not exist. If none of these error codes are shown the major error code contains the exception identifier. The minor error code identifies the user profile which cannot be accessed.

Response

Check that both QMQM and QMQMADM profiles exist and are both enabled using the DSPUSRPRF command, or contact the IBM WebSphere MQ system administrator.

AMQ6708

A disk full condition was encountered when formatting a new log file in location *<insert_3>*.

Severity

20 : Error

Explanation

The queue manager attempted to format a new log file in directory *<insert_3>*. The drive or file system containing this directory did not have sufficient free space to contain the new log file.

Response

Increase the amount of space available for log files and retry the request.

AMQ6708 (IBM i)

A disk full condition was encountered when formatting a new log file.

Severity

20 : Error

Explanation

The queue manager attempted to format a new log file in directory <insert_3>. The drive or file system containing this directory did not have sufficient free space to contain the new log file.

Response

Increase the amount of space available for log files and retry the request.

AMQ6709

The log for the Queue manager is full.

Severity

20 : Error

Explanation

This message is issued when an attempt to write a log record is rejected because the log is full. The queue manager will attempt to resolve the problem.

Response

This situation may be encountered during a period of unusually high message traffic. However, if you persistently fill the log, you may have to consider enlarging the size of the log. You can either increase the number of log files by changing the values in the queue manager configuration file. You will then have to stop and restart the queue manager. Alternatively, if you need to make the log files themselves bigger, you will have to delete and re-create the queue manager.

AMQ6710

Queue manager unable to access directory <insert_3>.

Severity

20 : Error

Explanation

The queue manager was unable to access directory <insert_3> for the log. This could be because the directory does not exist, or because the queue manager does not have sufficient authority.

Response

Ensure that the directory exists and that the queue manager has authority to read and write to it.
Ensure that the LogPath attribute in the queue manager's configuration file matches the intended log path.

AMQ6767

Log file <insert_3> could not be opened for use.

Severity

20 : Error

Explanation

Log file <insert_3> could not be opened for use. Possible reasons include the file being missing, the queue manager being denied permission to open the file or the contents of the file being incorrect.

Response

If the log file was required to start the queue manager, ensure that the log file exists and that the queue manager is able to read from and write to it. If the log file was required to re-create an object from its media image and you do not have a copy of the required log file, delete the object instead of recreating it.

AMQ6774

Log file <insert_3> did not contain the requested log record.

Severity

20 : Error

Explanation

Log file <insert_3> does not contain the log record with an LSN that is <insert_4>. This is because the log file numbers have wrapped and the log file name <insert_3> has been reused by a newer file. Once a log file name has been reused, it is not possible to access the data in the previous versions of the file to use this name. The operation which requested this log record cannot be completed.

AMQ6782

The log file numbers have wrapped.

Severity

0 : Information

Explanation

Each log file formatted is assigned a number which makes up part of its file name. The numbers are allocated sequentially and consist of seven digits giving a maximum of 10 million different log file names. Once all available numbers have been allocated, the queue manager again starts allocating numbers starting from zero. Once a file number has been re-allocated, you can no longer access data in the previous log files allocated the same number. The file numbers wrapped at log sequence number <insert_3>.

Response

You should periodically take media images of all IBM WebSphere MQ objects. You must ensure that media images of all objects which you may need to re-create do not span more than 10 million log files.

AMQ6901 (IBM i)

IBM WebSphere MQ for IBM i

AMQ6902 (IBM i)

IBM WebSphere MQ for IBM i - Samples

AMQ6903 (IBM i)

Installation or uninstallation failed, IBM WebSphere MQ resources are still active.

Severity

30 : Severe error

Explanation

An attempt to install or uninstall IBM WebSphere MQ was unsuccessful because IBM WebSphere MQ resources from a previous installation of IBM WebSphere MQ are still active. This failure may indicate that a queue manager from a previous installation of IBM WebSphere MQ is still running or has active jobs.

Response

Ensure that all queue managers from previous installations of IBM WebSphere MQ have been quiesced, and that the QMQM subsystem is not active using the WRKSBS and ENDSBS commands. Refer to the installation section in the IBM WebSphere MQ for IBM i Quick Beginnings publication for further details.

AMQ6904 (IBM i)

Installation of IBM WebSphere MQ for IBM i failed due to previous release installed.

Explanation

Some releases of IBM WebSphere MQ for IBM i require migration before a later release can be installed.

Response

If you wish to retain your current IBM WebSphere MQ information you must step through the migration process - see the Quick Beginnings Manual.

If you do not wish to retain your current IBM WebSphere MQ information remove the current version of IBM WebSphere MQ before retrying the install.

AMQ6905 (IBM i)

Found <insert_3> new IBM WebSphere MQ jobs to end, and <insert_4> IBM WebSphere MQ jobs currently ending.

Severity

0 : Information

Explanation

Jobs with locks on library QMQM are ended so that IBM WebSphere MQ may be deleted or updated.

Response

None.

AMQ6906 (IBM i)

<insert_3> jobs still ending.

Severity

40 : Stop Error

Explanation

Jobs report state of 'already being deleted' after timeout.

Response

If system is heavily loaded wait and reissue the command CALL QMQM/AMQIQES4 to try to delete jobs using IBM WebSphere MQ resources. If this message is issued again, issue the command WRKOBJLCK for library QMQM to see which jobs have not been deleted, and end them manually.

AMQ6907 (IBM i)

All IBM WebSphere MQ pre-requisite PTFs on OS/400 programs are installed.

Severity

0 : Information

Explanation

None.

Response

None.

AMQ6908 (IBM i)

IBM WebSphere MQ pre-requisite PTF <insert_4> for program <insert_3> is not installed.

Severity

40 : Stop Error

Explanation

PTF <insert_3>-<insert_4> is not installed on system in state 'Permanently applied' 'Temporarily applied' or 'Superseded'. IBM WebSphere MQ installation will proceed, but you must install the PTF before starting IBM WebSphere MQ

Response

Use the command GO CMDPTF to display commands to order and apply the required PTF <insert_3>-<insert_4>..

AMQ6909 (IBM i)

User space recovery failed, IBM WebSphere MQ is running.

Severity

30 : Severe error

Explanation

An attempt to recover user space was unsuccessful because IBM WebSphere MQ was running.

Response

Quiesce IBM WebSphere MQ for IBM i and try again. See the section on "Quiescing IBM WebSphere MQ" in the IBM WebSphere MQ for IBM i Quick Beginnings.

AMQ6910 (IBM i)

The attempt to quiesce the queue manager failed.

Severity

30 : Severe error

Explanation

The attempt to quiesce the queue manager was unsuccessful because the current job has locks on library QMQM.

Response

Sign off the current job, sign on and attempt to quiesce the queue manager again. See the section on "Quiescing IBM WebSphere MQ" in the IBM WebSphere MQ for IBM i Quick Beginnings.

AMQ6911 (IBM i)

IBM WebSphere MQ quiesce is performing a RCDMQMIMG. There may be some delay before completion.

Severity

0 : Information

Explanation

IBM WebSphere MQ quiesce is performing a Record Object Image (RCDMQMIMG) for all objects. There may be some delay until before completion.

Response

None.

AMQ6912 (IBM i)

IBM WebSphere MQ Java Messaging and Web Services

AMQ6913 (IBM i)

IBM WebSphere MQ Java Messaging and Web Services

AMQ6914 (IBM i)

Apply PTF failed, IBM WebSphere MQ resources are still active.

Severity

30 : Severe error

Explanation

An attempt to apply PTFs to a IBM WebSphere MQ installation was unsuccessful because IBM WebSphere MQ resources are still active. This failure may indicate that one or more queue managers have not been fully quiesced, some IBM WebSphere MQ resources have not been released, some IBM WebSphere MQ jobs are still running or an IBM WebSphere MQ subsystem is still active.

Response

Ensure that all queue managers have been fully quiesced, using the ENDMQM command with ENDCCTJOB(*YES). Ensure that all IBM WebSphere MQ subsystems (including the QMQM subsystem) are not active using the WRKSBS and ENDSBS commands. Repeat the apply PTF action. Note - Delete Licensed Program (DLTLICPGM) is not a circumvention for this condition, because the same checks which are listed as a possible cause, will be made before deleting an IBM WebSphere MQ installation.

AMQ6915 (IBM i)

Remove PTF failed, IBM WebSphere MQ resources are still active.

Severity

30 : Severe error

Explanation

An attempt to remove PTFs from a IBM WebSphere MQ installation was unsuccessful because IBM WebSphere MQ resources are still active. This failure may indicate that one or more queue managers have not been fully quiesced, some IBM WebSphere MQ resources have not been released, some IBM WebSphere MQ jobs are still running or an IBM WebSphere MQ subsystem is still active.

Response

Ensure that all queue managers have been fully quiesced, using the ENDMQM command with ENDCCTJOB(*YES). Ensure that all IBM WebSphere MQ subsystems (including the QMQM subsystem) are not active using the WRKSBS and ENDSBS commands. Repeat the remove PTF action. Note - Delete Licensed Program (DLTLICPGM) is not a circumvention for this condition, because the same checks which are listed as a possible cause, will be made before deleting an IBM WebSphere MQ installation.

AMQ6988

yes

Severity

0 : Information

AMQ6988 (IBM i)

Yes

AMQ6989

no

Severity

0 : Information

AMQ6989 (IBM i)

No

AMQ6992 (IBM i)

Program <insert_3> parameter error.

Severity

40 : Stop Error

Explanation

IBM WebSphere MQ for IBM i program <insert_3> has an incorrect number of parameters, or an error in the parameter value.

Response

Display the job log, using the DSPJOBLOG command, for more information on the problem.

AMQ6993 (IBM i)

Program <insert_3> ended abnormally.

Severity

40 : Stop Error

Explanation

An IBM WebSphere MQ for IBM i program, <insert_3>, is ending abnormally.

Response

Display the job log, using the DSPJOBLOG command, for information why the job or subsystem ended abnormally. Correct the error and retry the request.

AMQ6994 (Windows)

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Severity

0 : Information

Explanation

None.

Response

None.

AMQ6995 (IBM i)

xcsFFST has been called; take a look at the job log.

Severity

0 : Information

AMQ6998 (IBM i)

An internal IBM WebSphere MQ error has occurred.

Severity

40 : Stop Error

Explanation

IBM WebSphere MQ for IBM i is diagnosing an unexpected error.

Response

Save the job log, and use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ6999 (IBM i)

An internal IBM WebSphere MQ error has occurred.

Severity

0 : Information

Explanation

IBM WebSphere MQ has experienced an internal failure, from which it could not recover.

Response

Use WRKPRB to check if a problem has been created. If one has, record the problem identifier, and save the QPSRVDMP, QPJOBLOG, and QPDSPJOB files. If a problem has not been created, save the job log. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ7000-7999: WebSphere MQ product**AMQ7001**

The location specified for creation of the queue manager is not valid.

Severity

40 : Stop Error

Explanation

The directory under which queue managers are to be created is not valid. It might not exist, or there might be a problem with authorization.

Response

The location is specified in the machine-wide ini file. Correct the file and submit the request again.

AMQ7001 (Windows)

The location specified for the creation of the queue manager is not valid.

Severity

40 : Stop Error

Explanation

The directory under which the queue managers are to be created is not valid. It might not exist, or there might be a problem with authorization.

Response

The location is specified in the configuration data. Correct the configuration data and submit the request again.

AMQ7002

An error occurred manipulating a file.

Severity

40 : Stop Error

Explanation

An internal error occurred while trying to create or delete a queue manager file. It is likely that the error was caused by a disk having insufficient space, or by problems with authorization to the underlying file system.

Response

Identify the file that caused the error, using problem determination techniques. For example check if there are any FFST files, which might identify the queue manager file causing the error. This error

might also be caused if users have created, renamed or deleted that file. Correct the error in the file system and submit the request again.

AMQ7002 (Windows)

An error occurred manipulating a file.

Severity

40 : Stop Error

Explanation

An internal error occurred while trying to create or delete a queue manager file.

In the case of a failure to delete a file a common reason for this error is that a non MQ process, such as the windows explorer or a virus checker, is accessing the file. In the case where the object that cannot be deleted is a directory then a non MQ process might be accessing a file within the directory or one of its subdirectories.

It is also possible that the error was caused by a disk having insufficient space, or by problems with authorization to the underlying file system.

Response

Identify the file that caused the error, using problem determination techniques. For example check if there are any FFST files, which might identify the queue manager file causing the error. This error might also be caused if users have created, renamed or deleted that file. Correct the error in the file system and submit the request again.

AMQ7005

The queue manager is running.

Severity

40 : Stop Error

Explanation

You tried to perform an action that requires the queue manager stopped, however, it is currently running. You probably tried to delete or start a queue manager that is currently running.

Response

If the queue manager should be stopped, stop the queue manager and submit the failed command again.

AMQ7006

Missing attribute *<insert_5>* on stanza starting on line *<insert_1>* of ini file *<insert_3>*.

Severity

20 : Error

Explanation

The *<insert_4>* stanza starting on line *<insert_1>* of configuration file *<insert_3>* is missing the required *<insert_5>* attribute.

Response

Check the contents of the file and retry the operation.

AMQ7006 (Windows)

Missing attribute *<insert_5>* from configuration data.

Severity

20 : Error

Explanation

The *<insert_4>* stanza in the configuration data is missing the required *<insert_5>* attribute.

Response

Check the contents of the configuration data and retry the operation.

AMQ7008

The queue manager already exists.

Severity

40 : Stop Error

Explanation

You tried to create a queue manager that already exists.

Response

If you specified the wrong queue manager name, correct the name and submit the request again.

AMQ7010

The queue manager does not exist.

Severity

40 : Stop Error

Explanation

You tried to perform an action against a queue manager that does not exist. You might have specified the wrong queue manager name.

Response

If you specified the wrong name, correct it and submit the command again. If the queue manager should exist, create it, and then submit the command again.

AMQ7011

The queue manager files have not been completely deleted.

Severity

40 : Stop Error

Explanation

While deleting the queue manager, an error occurred deleting a file or directory. The queue manager might not have been completely deleted.

Response

Follow problem determination procedures to identify the file or directory and to complete deletion of the queue manager.

AMQ7012

The specified trigger interval is not valid.

Severity

40 : Stop Error

Explanation

You specified a value for the trigger interval that is not valid. The value must be not less than zero and not greater than 999 999 999.

Response

Correct the value and resubmit the request.

AMQ7013

There is an error in the name of the specified dead-letter queue.

Severity

40 : Stop Error

Explanation

You specified a name for the dead-letter queue that is not valid.

Response

Correct the name and resubmit the request.

AMQ7014

There is an error in the name of the specified default transmission queue.

Severity

40 : Stop Error

Explanation

You specified a name for the default transmission queue that is not valid.

Response

Correct the name and submit the command again.

AMQ7015

There is an error in the maximum number of open object handles specified.

Severity

40 : Stop Error

Explanation

You specified a value for the maximum number of open object handles to be allowed that is not valid. The value must be not less than zero and not greater than 999 999 999.

Response

Correct the value and submit the command again.

AMQ7016

There is an error in the maximum number of uncommitted messages specified.

Severity

40 : Stop Error

Explanation

You specified a value for the maximum number of uncommitted messages to be allowed that is not valid. The value must be not less than 1 and not greater than 999 999 999.

Response

Correct the value and submit the command again.

AMQ7017

Log not available.

Severity

40 : Stop Error

Explanation

The queue manager was unable to use the log. This could be due to a log file being missing or damaged, or the log path to the queue manager being inaccessible.

Response

Ensure that the LogPath attribute in the queue manager configuration file is correct. If a log file is missing or otherwise unusable, restore a backup copy of the file, or the entire queue manager.

AMQ7018

The queue manager operation cannot be completed.

Severity

20 : Error

Explanation

An attempt has been made to perform an operation on a queue manager. Resources required to perform the operation are not available.

AMQ7019

An error occurred while creating or checking the directory structure for the queue manager.

Severity

40 : Stop Error

Explanation

During creation or startup of the queue manager an error occurred while creating or checking a file or directory. Further information detailing the cause of the failure is written to the queue manager error logs.

Response

Identify why the queue manager files cannot be created or why the check failed. It is probable that there is insufficient space on the specified disk, or that there is a problem with access permissions on a file or directory. Correct the problem and submit the command again.

AMQ7020

The operation was carried out, but one or more transactions remain in-doubt.

Severity

10 : Warning

Explanation

The queue manager tried to resolve all internally coordinated transactions which are in-doubt. In-doubt transactions still remain after the queue manager has attempted to deliver the outcome of these transactions to the resource managers concerned. Transactions remain in-doubt when the queue manager cannot deliver the outcome of the transaction to each of the participating resource managers. For example, a resource manager might not be available at this time. Another possibility is that an earlier attempt to resolve the transaction resulted in an unexpected failure, in this case no attempt will be made to resolve the transaction until the queue manager is restarted.

Response

Use the DSPMQTRN command to display the remaining in-doubt transactions.

AMQ7020 (IBM i)

The operation was carried out, but one or more transactions remain in-doubt.

Severity

10 : Warning

Explanation

The queue manager tried to resolve all internally coordinated transactions which are in-doubt. In-doubt transactions still remain after the queue manager has attempted to deliver the outcome of these transactions to the resource managers concerned. Transactions remain in-doubt when the queue manager cannot deliver the outcome of the transaction to each of the participating resource managers. For example, a resource manager might not be available at this time.

Response

Use the Work with Transactions (WRKMQMTRN) command to display the remaining in-doubt transactions.

AMQ7021

An error occurred while deleting the directory structure for the queue manager.

Severity

40 : Stop Error

Explanation

While deleting the queue manager, an error occurred deleting a file or directory. The queue manager might not have been completely deleted.

Response

Follow problem determination procedures to identify the file or directory and to complete deletion of the queue manager.

AMQ7022

The resource manager identification number is not recognized.

Severity

20 : Error

Explanation

The identification number of the resource manager you supplied was not recognized.

Response

Ensure that you entered a valid resource manager identification number. Use the DSPMQTRN command to display a list of resource managers and their identification numbers.

AMQ7023

The resource manager was in an invalid state.

Severity

20 : Error

Explanation

The resource manager, the identification number of which you supplied, was in an invalid state.

Response

Ensure that you entered the correct resource manager identification number. Use the DSPMQTRN command to display a list of resource managers and their identification numbers. A resource manager is in an invalid state, if it is still available to resolve the transaction, use the -a optional flag to resolve this and all other internally coordinated in-doubt transactions.

AMQ7024

Arguments supplied to a command are not valid.

Severity

20 : Error

Explanation

You supplied arguments to a command that it could not interpret. It is probable that you specified a flag not accepted by the command, or that you included extra flags.

Response

Correct the command and submit it again. Additional information on the arguments causing the error might be found in the error logs for the queue, or queue manager, referenced in the command.

AMQ7025

Error in the descriptive text argument (-c parameter) of the crtmqm command.

Severity

40 : Stop Error

Explanation

The descriptive text you supplied to the crtmqm command was in error.

Response

Correct the descriptive text argument and submit the command again.

AMQ7026

A principal or group name was invalid.

Severity

40 : Stop Error

Explanation

You specified the name of a principal or group which does not exist.

Response

Correct the name and resubmit the request.

AMQ7027

Argument *<insert_3>* supplied to command *<insert_4>* is invalid.

Severity

20 : Error

Explanation

The argument *<insert_3>* was supplied to the command *<insert_4>* which could not be interpreted. This argument is either not accepted by the command, or an extra flag has been included.

Response

Correct the command and submit it again.

AMQ7028

The queue manager is not available for use.

Severity

40 : Stop Error

Explanation

You have requested an action that requires the queue manager running, however, the queue manager is not currently running.

Response

Start the required queue manager and submit the command again.

AMQ7030

Quiesce request accepted. The queue manager will stop when all outstanding work is complete.

Severity

0 : Information

Explanation

You have requested that the queue manager end when there is no more work for it. In the meantime, it will refuse new applications that attempt to start, although it allows those already running to complete their work.

Response

None.

AMQ7031

The queue manager is stopping.

Severity

40 : Stop Error

Explanation

You issued a command that requires the queue manager running, however, it is currently in the process of stopping. The command cannot be run.

Response

None

AMQ7041

Object already exists.

Severity

40 : Stop Error

Explanation

A Define Object operation was performed, but the name selected for the object is already in use by an object that is unknown to WebSphere MQ. The object name selected by MQ was *<insert_3>*, in directory *<insert_4>*, of object type *<insert_5>*.

Response

Remove the conflicting object from the MQ system, then try the operation again.

AMQ7042

Media image not available for object *<insert_3>* of type *<insert_4>*.

Severity

20 : Error

Explanation

The media image for object *<insert_3>*, type *<insert_4>*, is not available for media recovery. A log file containing part of the media image cannot be accessed.

Response

A previous message indicates which log file could not be accessed. Restore a copy of the log file and all subsequent log files from backup. If this is not possible, you must delete the object instead.

AMQ7042 (IBM i)

Media image not available for object *<insert_3>*.

Severity

20 : Error

Explanation

The media image for object *<insert_3>*, type *<insert_4>*, is not available for media recovery. A log file containing part of the media image cannot be accessed.

Response

A previous message indicates which log file could not be accessed. Restore a copy of the log file and all subsequent log files from backup. If this is not possible, you must delete the object instead.

AMQ7044

Media recovery not allowed.

Severity

20 : Error

Explanation

Media recovery is not possible on a queue manager using a circular log. Damaged objects must be deleted on such a queue manager.

Response

None.

AMQ7047

An unexpected error was encountered by a command.

Severity

40 : Stop Error

Explanation

An internal error occurred during the processing of a command.

Response

Follow problem determination procedures to identify the cause of the error.

AMQ7048

The queue manager name is either not valid or not known

Severity

40 : Stop Error

Explanation

Either the specified queue manager name does not conform to the rules required by WebSphere MQ or the queue manager does not exist. The rules for naming MQ objects are detailed in the WebSphere MQ Command Reference.

Response

Correct the name and submit the command again.

AMQ7048 (Windows)

The queue manager name is either not valid or not known

Severity

40 : Stop Error

Explanation

Either the specified queue manager name does not conform to the rules required by WebSphere MQ or the queue manager does not exist. The rules for naming MQ objects are detailed in the WebSphere MQ Command Reference.

This message can also occur when specifying an option to a command that contains a path. To ensure that the queue manager name is correctly passed to MQ by the Microsoft Windows command interpreter escape all directory separators in the path ("\\") or do not surround the path in quotation marks.

Response

Correct the name and submit the command again.

AMQ7053

The transaction has been committed.

Severity

0 : Information

Explanation

The prepared transaction has been committed.

Response

None.

AMQ7054

The transaction has been backed out.

Severity

0 : Information

Explanation

The prepared transaction has been backed out.

Response

None.

AMQ7055

The transaction number is not recognized.

Severity

20 : Error

Explanation

The number of the transaction you supplied was not recognized as belonging to an in-doubt or heuristically completed transaction.

Response

Ensure that you entered a valid transaction number. It is possible that the transaction number you entered corresponds to a transaction which was committed or backed out before you issued the command to resolve it. It is also possible that the transaction number you entered corresponds to a transaction which is not in the appropriate state for the options you specified. For example, you cannot commit or back out a transaction which is already heuristically completed.

AMQ7056

Transaction number *<insert_1>*,*<insert_2>* is in-doubt.

Severity

0 : Information

Explanation

This message is used to report the number of an in-doubt transaction.

Response

None.

AMQ7059

An error has occurred reading an INI file.

Severity

20 : Error

Explanation

An error has occurred when reading the MQS.INI file or a queue manager QM.INI file.

Response

If you have been changing the INI file content check and correct the change. If you have not changed the INI file, use the standard facilities supplied with your system to record the problem identifier and to save any generated output files. Use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ7059 (Tandem)

An error has occurred reading an INI file.

Severity

20 : Error

Explanation

An error has occurred when reading the MQSINI file or a queue manager QMINI file.

Response

If you have been changing the INI file content check and correct the change. If you have not changed the INI file, use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ7059 (Windows)

An error occurred when reading the configuration data.

Severity

20 : Error

Explanation

An error has occurred when reading the configuration data.

Response

If you have changed the configuration data, check and correct the change. If you have not changed the configuration data, use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ7060

An error has occurred locking an INI file.

Severity

20 : Error

Explanation

An error has occurred locking the MQS.INI file or a queue manager QM.INI file.

Response

If you have been changing the INI file permissions check and correct the change. If you have not changed the INI file, use the standard facilities supplied with your system to record the problem identifier and to save any generated output files. Use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ7060 (Tandem)

An error has occurred locking an INI file.

Severity

20 : Error

Explanation

An error has occurred locking the MQSINI file or a queue manager QMINI file.

Response

If you have been changing the INI file permissions check and correct the change. If you have not changed the INI file, use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ7060 (Windows)

An error has occurred locking the configuration data.

Severity

20 : Error

Explanation

An error has occurred locking the configuration data.

Response

If you have changed the configuration data permissions, check and correct the change. If you have not changed the configuration data, use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ7061

An expected stanza in an INI file is missing or contains errors.

Severity

20 : Error

Explanation

An expected stanza is missing from the MQS.INI file or a queue manager QM.INI file or the stanza contains errors.

Response

If you have been changing the INI file content check and correct the change.

AMQ7061 (Tandem)

An expected stanza in an INI file is missing or contains errors.

Severity

20 : Error

Explanation

An expected stanza is missing from the MQSINI file or a queue manager QMINI file or the stanza contains errors.

Response

If you have been changing the INI file content check and correct the change.

AMQ7061 (Windows)

An expected stanza in the configuration data is missing or contains errors.

Severity

20 : Error

Explanation

An expected stanza is missing from the configuration data or the stanza contains errors.

Response

If you have changed the configuration data, check and correct the change.

AMQ7062

Unable to access an INI file.

Severity

20 : Error

Explanation

Access to the MQS.INI file or a queue manager QM.INI file is denied.

Response

If you have been changing the INI file permissions check and correct the change.

AMQ7062 (Tandem)

Unable to access an INI file.

Severity

20 : Error

Explanation

Access to the MQSINI file or a queue manager QMINI file is denied.

Response

If you have been changing the INI file permissions check and correct the change.

AMQ7062 (Windows)

Unable to access the configuration data.

Severity

20 : Error

Explanation

Access to the configuration data is denied.

Response

If you have changed the configuration data permissions, check and correct the change.

AMQ7063

An INI file is missing.

Severity

20 : Error

Explanation

The MQS.INI file or a queue manager QM.INI file is missing.

Response

If you have been changing the INI file recover the previous file and retry the operation.

AMQ7063 (Tandem)

An INI file is missing.

Severity

20 : Error

Explanation

The MQSINI file or a queue manager QMINI file is missing.

Response

If you have been changing the INI file recover the previous file and retry the operation.

AMQ7063 (Windows)

Configuration data is missing.

Severity

20 : Error

Explanation

The configuration data for WebSphere MQ is missing.

Response

If you have changed the configuration data, recover the previous configuration data and retry the operation.

AMQ7064

Log path not valid or inaccessible.

Severity

40 : Stop Error

Explanation

The supplied log path could not be used by the queue manager. Possible reasons for this include the path not existing, the queue manager not being able to write to the path, or the path residing on a remote device.

Response

Ensure that the log path exists and that the queue manager has authority to read and write to it. If the queue manager already exists, ensure that the LogPath attribute in the queue manager's configuration file matches the intended log path.

AMQ7064 (IBM i)

Auxiliary storage pool identifier not found.

Explanation

The auxiliary storage pool identifier supplied does not exist on the system and could not be used by the queue manager to create a journal receiver.

Response

Specify *SYSTEM, or the identifier of an existing auxiliary storage pool and try the request again. You can use WRKDSKSTS to check the assignment of disk units to auxiliary storage pools.

AMQ7065

Insufficient space on disk.

Severity

40 : Stop Error

Explanation

The operation cannot be completed due to shortage of disk space.

Response

Either make more disk space available, or reduce the disk requirements of the command you issued.

AMQ7066

There are no matching prepared or heuristically completed transactions.

Severity

10 : Warning

Explanation

There are no prepared transactions to be resolved or heuristically completed transactions which match the parameters given.

Response

None.

AMQ7068

Authority file contains an authority stanza that is not valid.

Severity

40 : Stop Error

Explanation

A syntax error has been found in one of the files containing authorization information for the queue manager.

Response

Correct the contents of the incorrect authorization file by editing it.

AMQ7069

The queue manager was created successfully, but cannot be made the default.

Severity

40 : Stop Error

Explanation

The queue manager was defined to be the default queue manager for the machine when it was created. However, although the queue manager has been created, an error occurred trying to make it the default. There might not be a default queue manager defined for the machine at present.

Response

There is probably a problem with the machine-wide ini file. Verify the existence of the file, its access permissions, and its contents. If its backup file exists, reconcile the contents of the two files and then delete the backup. Finally, either update the machine-wide ini file by hand to specify the desired default queue manager, or delete and re-create the queue manager.

AMQ7069 (Windows)

The queue manager was created successfully, but cannot be made the default.

Severity

40 : Stop Error

Explanation

The queue manager was defined to be the default queue manager for the machine when it was created. However, although the queue manager has been created, an error occurred trying to make it the default. There might not be a default queue manager defined for the machine at present.

Response

There is probably a problem with the configuration data. Update the configuration data to specify the desired default queue manager, or delete and re-create the queue manager.

AMQ7072

Invalid QM.INI file stanza. Refer to the error log for more information.

Severity

40 : Stop Error

Explanation

An invalid QM.INI file stanza was found. Refer to the error log for more information.

Response

Correct the error and then retry the operation.

AMQ7072 (Tandem)

Invalid QMINI file stanza. Refer to the error log for more information.

Severity

40 : Stop Error

Explanation

An invalid QMINI file stanza was found. Refer to the error log for more information.

Response

Correct the error and then retry the operation.

AMQ7072 (Windows)

Stanza not valid. Refer to the error log for more information.

Severity

40 : Stop Error

Explanation

A stanza that is not valid was found. Refer to the error log for more information.

Response

Correct the error and retry the operation.

AMQ7073

Log size not valid.

Severity

40 : Stop Error

Explanation

Either the number of log files or the size of the log files was outside the accepted values.

Response

Make sure that the log parameters you enter lie within the valid range.

AMQ7074

Unknown stanza key *<insert_4>* on line *<insert_1>* of ini file *<insert_3>*.

Severity

10 : Warning

Explanation

Line *<insert_1>* of the configuration file *<insert_3>* contained a stanza called *<insert_3>*. This stanza is not recognized.

Response

Check the contents of the file and retry the operation.

AMQ7074 (Windows)

Unknown stanza key <insert_4> at <insert_3> in the configuration data.

Severity

10 : Warning

Explanation

Key <insert_3> contained a stanza called <insert_4>. This stanza is not recognized.

Response

Check the contents of the configuration data and retry the operation.

AMQ7074 (IBM i)

Unknown stanza key.

Severity

10 : Warning

Explanation

Line <insert_1> of the configuration file <insert_3> contained a stanza key <insert_4>. This stanza is not recognized.

Response

Check the contents of the file and retry the operation.

AMQ7075

Unknown attribute in ini file.

Severity

10 : Warning

Explanation

Line <insert_1> of the configuration file <insert_3> contained an attribute called <insert_4> that is not valid. This attribute is not recognized in this context.

Response

Check the contents of the file and retry the operation.

AMQ7075 (Windows)

Unknown attribute <insert_4> at <insert_3> in the configuration data.

Severity

10 : Warning

Explanation

Key <insert_3> in the configuration data contained an attribute called <insert_4> that is not valid. This attribute is not recognized in this context.

Response

Check the contents of the configuration data and retry the operation.

AMQ7076

Invalid value for attribute in ini file.

Severity

10 : Warning

Explanation

Line <insert_1> of the configuration file <insert_3> contained value <insert_5> that is not valid for the attribute <insert_4>.

Response

Check the contents of the file and retry the operation.

AMQ7076 (Windows)

Value <insert_5> not valid for attribute <insert_4> at <insert_3> in the configuration data.

Severity

10 : Warning

Explanation

Key *<insert_3>* in the configuration data contained value *<insert_5>* that is not valid for the attribute *<insert_4>*.

Response

Check the contents of the configuration data and retry the operation.

AMQ7077

You are not authorized to perform the requested operation.

Severity

40 : Stop Error

Explanation

You tried to issue a command for the queue manager. You are not authorized to perform the command.

Response

Contact your system administrator to perform the command for you. Alternatively, request authority to perform the command from your system administrator.

AMQ7078

You entered an object type that is invalid with a generic profile name.

Severity

40 : Stop Error

Explanation

You entered an object type of *ALL or *MQM and an object name that contains generic characters, this is an invalid combination.

Response

Correct the command and submit it again.

AMQ7080

No objects processed.

Severity

10 : Warning

Explanation

No objects were processed, either because no objects matched the criteria given, or because the objects found did not require processing.

Response

None.

AMQ7081

Object *<insert_3>*, type *<insert_4>* recreated.

Severity

0 : Information

Explanation

The object *<insert_3>*, type *<insert_4>* was re-created from its media image.

Response

None.

AMQ7082

Object *<insert_3>*, type *<insert_4>* is not damaged.

Severity

10 : Warning

Explanation

Object *<insert_3>*, type *<insert_4>* cannot be re-created since it is not damaged.

Response

None

AMQ7083

A resource problem was encountered by a command.

Severity

20 : Error

Explanation

The command failed due to a resource problem. Possible causes include the log being full or the command running out of memory.

Response

Look at the previous messages to diagnose the problem. Rectify the problem and retry the operation.

AMQ7084

Object *<insert_3>*, type *<insert_4>* damaged.

Severity

20 : Error

Explanation

The object *<insert_3>*, type *<insert_4>* was damaged. The object must be deleted or, if the queue manager supports media recovery, re-created from its media image.

Response

Delete the object or re-create it from its media image.

AMQ7085

Object *<insert_3>*, type *<insert_4>* not found.

Severity

20 : Error

Explanation

Object *<insert_3>*, type *<insert_4>* cannot be found.

Response

None.

AMQ7086

Media image for object *<insert_3>*, type *<insert_4>* recorded.

Severity

0 : Information

Explanation

The media image for object *<insert_3>*, type *<insert_4>*, defined in Queue Manager *<insert_5>*, has been recorded.

Response

None.

AMQ7087

Object *<insert_3>*, type *<insert_4>* is a temporary object

Severity

20 : Error

Explanation

Object *<insert_3>*, type *<insert_4>* is a temporary object. Media recovery operations are not permitted on temporary objects.

Response

None.

AMQ7088

Object *<insert_3>*, type *<insert_4>* in use.

Severity

20 : Error

Explanation

Object <insert_3>, type <insert_4> is in use. Either an application has it open or, if it is a local queue, there are uncommitted messages on it.

Response

Ensure that the object is not opened by any applications, and that there are no uncommitted messages on the object, if it is a local queue. Then, retry the operation.

AMQ7089

Media recovery already in progress.

Severity

20 : Error

Explanation

Another media recovery operation is already in progress. Only one media recovery operation is permitted at a time.

Response

Wait for the existing media recovery operation to complete and retry the operation.

AMQ7090 (Windows)

The queue manager CCSID is not valid.

Severity

40 : Stop Error

Explanation

The CCSID to be used by the QMGR is not valid, because:

- 1) It is a DBCS CCSID.
- 2) The CCSID encoding is not ASCII or ASCII related. EBCDIC or UCS2 encodings are not valid on this machine.
- 3) The CCSID encoding is unknown.

Response

Check the CCSID is valid for the machine on which you are working.

AMQ7090 (IBM i)

The queue manager CCSID is not valid.

Severity

40 : Stop Error

Explanation

The CCSID to be used by the QMGR is not valid for the IBM i platform. The CCSID encoding must be a valid EBCDIC value.

Response

Check that the CCSID that you have entered is a valid EBCDIC value.

AMQ7091

You are performing authorization for the queue manager, but you specified an object name.

Severity

40 : Stop Error

Explanation

Modification of authorizations for a queue manager can be performed only from that queue manager. You must not specify an object name.

Response

Correct the command and submit it again.

AMQ7092

An object name is required but you did not specify one.

Severity

40 : Stop Error

Explanation

The command needs the name of an object, but you did not specify one.

Response

Correct the command and submit it again.

AMQ7093

An object type is required but you did not specify one.

Severity

40 : Stop Error

Explanation

The command needs the type of the object, but you did not specify one.

Response

Correct the command and submit it again.

AMQ7094

You specified an object type that is not valid, or more than one object type.

Severity

40 : Stop Error

Explanation

Either the type of object you specified was not valid, or you specified multiple object types on a command which supports only one.

Response

Correct the command and submit it again.

AMQ7095

An entity name is required but you did not specify one.

Severity

40 : Stop Error

Explanation

The command needs one or more entity names, but you did not specify any. Entities can be principals or groups.

Response

Correct the command and submit it again.

AMQ7096

An authorization specification is required but you did not provide one.

Severity

40 : Stop Error

Explanation

The command sets the authorizations on WebSphere MQ objects. However you did not specify which authorizations are to be set.

Response

Correct the command and submit it again.

AMQ7097

You gave an authorization specification that is not valid.

Severity

40 : Stop Error

Explanation

The authorization specification you provided to the command contained one or more items that could not be interpreted.

Response

Correct the command and submit it again.

AMQ7098

The command accepts only one entity name. You specified more than one.

Severity

40 : Stop Error

Explanation

The command can accept only one principal or group name. You specified more than one.

Response

Correct the command and submit it again.

AMQ7099

Entity *<insert_3>* has the following authorizations for object *<insert_4>*:

Severity

0 : Information

Explanation

Informational message. The list of authorizations follows.

Response

None.

AMQ7100

New functions up to command level *<insert_1>* enabled.

Severity

0 : Information

Explanation

The queue manager's command level has been increased and any new function introduced has been enabled for use.

Response

None.

AMQ7104

Resource manager *<insert_1>* has prepared.

Severity

0 : Information

Explanation

This message reports the state of a resource manager with respect to an in-doubt transaction.

Response

None.

AMQ7105

Resource manager *<insert_1>* has committed.

Severity

0 : Information

Explanation

This message reports the state of a resource manager with respect to an in-doubt transaction.

Response

None.

AMQ7106

Resource manager *<insert_1>* has rolled back.

Severity

0 : Information

Explanation

This message reports the state of a resource manager with respect to an in-doubt transaction.

Response

None.

AMQ7107

Resource manager *<insert_1>* is *<insert_3>*.

Severity

0 : Information

Explanation

This message reports the identification number and name of a resource manager.

Response

None.

AMQ7108

Any in-doubt transactions have been resolved.

Severity

0 : Information

Explanation

All, if there were any, of the internally coordinated transactions which were in-doubt, have now been resolved. This message reports successful completion of the RSVMQTRN command when the -a option is used.

Response

None.

AMQ7108 (IBM i)

Any in-doubt transactions have been resolved.

Severity

0 : Information

Explanation

All, if there were any, of the internally coordinated transactions which were in-doubt, have now been resolved.

Response

None.

AMQ7109

A decision on behalf of the unavailable resource manager has been delivered.

Severity

0 : Information

Explanation

A decision for an internally coordinated transaction which was in-doubt, has now been delivered on behalf of the unavailable resource manager. This message reports successful completion of the RSVMQTRN command when the -r option is used.

Response

None.

AMQ7110

Media image for the syncfile recorded.

Severity

0 : Information

Explanation

The media image for the syncfile has been recorded.

Response

None.

AMQ7111

Resource manager <insert_1> has participated.

Severity

0 : Information

Explanation

This message reports the state of a resource manager with respect to an in-doubt transaction.

Response

None.

AMQ7112

Transaction number <insert_1>,<insert_2> has encountered an error.

Severity

0 : Information

Explanation

This message is used to report the number of an in-doubt transaction which has encountered an error with one or more resource managers.

Response

Refer to the queue manager error log for more information about which resource managers are in error. Ensure that the resource managers that were in error, are working correctly, restart the queue manager. If the problem persists, use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ7113

The Database Name argument, -rn, is missing from the command crtmqm

Severity

20 : Error

Explanation

The required flag, -rn, was omitted from the command crtmqm

Response

Add the flag and associated database name and submit it again.

AMQ7114

The Database Password argument, -rp, is missing from the command crtmqm

Severity

20 : Error

Explanation

The required flag, -rp, was omitted from the command crtmqm

Response

Add the flag and associated database password and submit it again.

AMQ7115

The Database Type argument, -rt, is missing from the command crtmqm

Severity

20 : Error

Explanation

The required flag, -rt, was omitted from the command crtmqm

Response

Add the flag and associated database type and submit it again

AMQ7116

The Database Type argument, -rt, is greater than 8 characters long

Severity

20 : Error

Explanation

The argument supplied with the flag -rt, is greater than 8 characters long

Response

Reduce the length of the database type argument and submit it again

AMQ7117

The MSD shared library failed to load.

Severity

20 : Error

Explanation

The MSD shared library was either not located or failed to load correctly.

Response

Ensure that the database type is specified correctly when creating a queue manager since this is used to form the name of the shared library to be loaded. Further information on the failure might be found in the FFST logs. Also, ensure that the MSD shared library is installed correctly.

AMQ7118

Transaction number <insert_1>,<insert_2> is heuristically committed.

Severity

0 : Information

Explanation

This message is used to report the number of a heuristically committed transaction.

Response

None.

AMQ7119

Transaction number <insert_1>,<insert_2> is heuristically rolled back.

Severity

0 : Information

Explanation

This message is used to report the number of a heuristically rolled-back transaction.

Response

None.

AMQ7120

The Trial Period license for this copy of WebSphere MQ has expired.

Severity

20 : Error

Explanation

This copy of WebSphere MQ was licensed to be used in trial mode for a limited period only. This period has expired.

Response

Install a Production license for this copy of WebSphere MQ

AMQ7121

The trial period for this copy of WebSphere MQ has now expired.

Severity

20 : Error

Explanation

This copy of WebSphere MQ was licensed for a limited period only. This period has now expired.

Response

Install a Production license for this copy of WebSphere MQ

AMQ7122

The Trial Period License Agreement was not accepted.

Severity

10 : Warning

Explanation

When the Trial Period License Agreement is displayed, the user must accept it before this copy of WebSphere MQ can be used.

Response

Submit the command again and accept the agreement.

AMQ7123

There is one day left in the trial period for this copy of WebSphere MQ

Severity

0 : Information

Explanation

This copy of WebSphere MQ is licensed for a limited period only.

Response

None.

AMQ7124

This is the final day of the trial period for this copy of WebSphere MQ

Severity

10 : Warning

Explanation

This copy of WebSphere MQ is licensed for a limited period only.

Response

Install a Production license for this copy of WebSphere MQ

AMQ7125

There are <insert_1> days left in the trial period for this copy of WebSphere MQ

Severity

0 : Information

Explanation

This copy of WebSphere MQ is licensed for a limited period only.

Response

None.

AMQ7126

This copy of WebSphere MQ is now running in Production mode.

Severity

0 : Information

Explanation

A Production license has been installed for this copy of WebSphere MQ

Response

None.

AMQ7127

Press Enter when you have read the messages

Severity

0 : Information

Explanation

One or more messages have been displayed. They will disappear when the user presses the Enter key.

Response

Press the Enter key when the messages are no longer required.

AMQ7128

No license installed for this copy of WebSphere MQ

Severity

20 : Error

Explanation

The installation of WebSphere MQ is invalid since no Production, Beta, or Trial Period license has been installed.

Response

Check that the installation steps described in the Quick Beginnings documentation have been followed, and if the problem persists use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ7129

The trial period for this copy of WebSphere MQ has already been started.

Severity

0 : Information

Explanation

This copy of WebSphere MQ is licensed for a limited period only and the trial period has been started previously.

Response

None.

AMQ7130

This copy of WebSphere MQ is running in Production mode.

Severity

0 : Information

Explanation

A Production license has been installed for this copy of WebSphere MQ A beta or trial period cannot be started.

Response

None.

AMQ7131

International License Agreement for Evaluation of Programs

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Severity

0 : Information

Explanation

This is part of the Trial Period License Agreement which must be accepted before a trial period can be started. A trial period allows a copy of WebSphere MQ to be used for a limited period only.

Response

None.

AMQ7132

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Severity

0 : Information

Explanation

This is part of the Trial Period License Agreement which must be accepted before a trial period can be started. A trial period allows a copy of WebSphere MQ to be used for a limited period only.

Response

None.

AMQ7133

This Agreement includes Part 1 - General Terms and Part 2 - Country Unique Terms and is the complete agreement regarding the use of this Program, and replaces any prior oral or written communications between you and IBM. The terms of Part 2 might replace or modify those of Part 1.

Severity

0 : Information

Explanation

This is part of the Trial Period License Agreement which must be accepted before a trial period can be started. A trial period allows a copy of WebSphere MQ to be used for a limited period only.

Response

None.

AMQ7134

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Severity

0 : Information

Explanation

This is part of the Trial Period License Agreement which must be accepted before a trial period can be started. A trial period allows a copy of WebSphere MQ to be used for a limited period only.

Response

None.

AMQ7135

THE PROGRAM MAY CONTAIN A DISABLING DEVICE THAT WILL PREVENT IT FROM BEING USED UPON EXPIRATION OF THIS LICENSE. YOU WILL NOT TAMPER WITH THIS DISABLING DEVICE OR THE PROGRAM. YOU SHOULD TAKE PRECAUTIONS TO AVOID ANY LOSS OF DATA THAT MIGHT RESULT WHEN THE PROGRAM CAN NO LONGER BE USED.

Severity

0 : Information

Explanation

This is part of the Trial Period License Agreement which must be accepted before a trial period can be started. A trial period allows a copy of WebSphere MQ to be used for a limited period only.

Response

None.

AMQ7136

You will 1) maintain a record of all copies of the Program and 2) ensure that anyone who uses the Program does so only for your authorized use and in compliance with the terms of this Agreement.

You may not 1) use, copy, modify or distribute the Program except as provided in this Agreement; 2) reverse assemble, reverse compile, or otherwise translate the Program except as specifically

permitted by law without the possibility of contractual waiver; or 3) sublicense, rent or lease the Program.

Severity

0 : Information

Explanation

This is part of the Trial Period License Agreement which must be accepted before a trial period can be started. A trial period allows a copy of WebSphere MQ to be used for a limited period only.

Response

None.

AMQ7137

This license begins with your first use of the Program and ends 1) as of the duration or date specified in the documentation accompanying the Program or 2) when the Program automatically disables itself. Unless IBM specifies in the documentation accompanying the Program that you may retain the Program (in which case, an additional charge might apply), you will destroy the Program and all copies made of it within ten days of when this license ends.

Severity

0 : Information

Explanation

This is part of the Trial Period License Agreement which must be accepted before a trial period can be started. A trial period allows a copy of WebSphere MQ to be used for a limited period only.

Response

None.

AMQ7138

2. No Warranty

SUBJECT TO ANY STATUTORY WARRANTIES WHICH CANNOT BE EXCLUDED, IBM MAKES NO WARRANTIES OR CONDITIONS EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, THE WARRANTY OF NON-INFRINGEMENT AND THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, REGARDING THE PROGRAM OR TECHNICAL SUPPORT, IF ANY. IBM MAKES NO WARRANTY REGARDING THE CAPABILITY OF THE PROGRAM TO CORRECTLY PROCESS, PROVIDE AND/OR RECEIVE DATE DATA WITHIN AND BETWEEN THE 20TH AND 21ST CENTURIES.

This exclusion also applies to any of IBM's subcontractors, suppliers or program developers (collectively called "Suppliers").

Manufacturers, suppliers, or publishers of non-IBM Programs might provide their own warranties.

Severity

0 : Information

Explanation

This is part of the Trial Period License Agreement which must be accepted before a trial period can be started. A trial period allows a copy of WebSphere MQ to be used for a limited period only.

Response

None.

AMQ7139

3. Limitation of Liability

NEITHER IBM NOR ITS SUPPLIERS ARE LIABLE FOR ANY DIRECT OR INDIRECT DAMAGES, INCLUDING WITHOUT LIMITATION, LOST PROFITS, LOST SAVINGS, OR ANY INCIDENTAL, SPECIAL, OR OTHER ECONOMIC CONSEQUENTIAL DAMAGES, EVEN IF IBM IS INFORMED OF THEIR POSSIBILITY. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE EXCLUSION OR LIMITATION MAY NOT APPLY TO YOU.

Severity

0 : Information

Explanation

This is part of the Trial Period License Agreement which must be accepted before a trial period can be started. A trial period allows a copy of WebSphere MQ to be used for a limited period only.

Response

None.

AMQ7140

4. General

Nothing in this Agreement affects any statutory rights of consumers that cannot be waived or limited by contract.

Severity

0 : Information

Explanation

This is part of the Trial Period License Agreement which must be accepted before a trial period can be started. A trial period allows a copy of WebSphere MQ to be used for a limited period only.

Response

None.

AMQ7141

IBM may terminate your license if you fail to comply with the terms of this Agreement. If IBM does so, you must immediately destroy the Program and all copies you made of it.

You may not export the Program.

Neither you nor IBM will bring a legal action under this Agreement more than two years after the cause of action arose unless otherwise provided by local law without the possibility of contractual waiver or limitation.

Neither you nor IBM is responsible for failure to fulfill any obligations due to causes beyond its control.

There is no additional charge for use of the Program for the duration of this license.

IBM does not provide program services or technical support, unless IBM specifies otherwise.

Severity

0 : Information

Explanation

This is part of the Trial Period License Agreement which must be accepted before a trial period can be started. A trial period allows a copy of WebSphere MQ to be used for a limited period only.

Response

None.

AMQ7142

Reply 'yes' to accept the Agreement. Reply 'no' if you do not agree to the terms of the Agreement. Reply 'no' and submit the command again, if you want to read the Agreement again.

Severity

0 : Information

Explanation

The Trial Period License Agreement has been displayed to the user and the user should now accept or reject the Agreement.

Response

Reply 'yes' or 'no' and press 'Enter'.

AMQ7143

Press Enter to continue

Severity

0 : Information

Explanation

Part of the Trial Period License Agreement has been displayed to the user. The user should press the Enter key to indicate that they are ready for the next part of the Agreement to be displayed.

Response

Press the Enter key when ready for the next part of the Agreement to be displayed.

AMQ7144

The laws of the country in which you acquire the Program govern this Agreement, except 1) in Australia, the laws of the State or Territory in which the transaction is performed govern this Agreement; 2) in Albania, Armenia, Belarus, Bosnia/Herzegovina, Bulgaria, Croatia, Czech Republic, Georgia, Hungary, Kazakhstan, Kirghizia, Former Yugoslav Republic of Macedonia (FYROM), Moldova, Poland, Romania, Russia, Slovak Republic, Slovenia, Ukraine, and Federal Republic of Yugoslavia, the laws of Austria govern this Agreement; 3) in the United Kingdom, all disputes relating to this Agreement will be governed by English law and will be submitted to the exclusive jurisdiction of the English courts; 4) in Canada, the laws of the Province of Ontario govern this Agreement; and 5) in the United States and Puerto Rico, and People's Republic of China, the laws of the State of New York govern this Agreement.

Severity

0 : Information

Explanation

This is part of the Trial Period License Agreement which must be accepted before a trial period can be started. A trial period allows a copy of WebSphere MQ to be used for a limited period only.

Response

None.

AMQ7145

Part 2 - Country Unique Terms

AUSTRALIA:

No Warranty (Section 2):

The following paragraph is added to this Section:

Although IBM specifies that there are no warranties, you might have certain rights under the Trade Practices Act 1974 or other legislation and are only limited to the extent permitted by the applicable legislation.

Limitation of Liability (Section 3):

The following paragraph is added to this Section:

Severity

0 : Information

Explanation

This is part of the Trial Period License Agreement which must be accepted before a trial period can be started. A trial period allows a copy of WebSphere MQ to be used for a limited period only.

Response

None.

AMQ7146

Where IBM is in breach of a condition or warranty implied by the Trade Practices Act 1974, IBM's liability is limited to the repair or replacement of the goods, or the supply of equivalent goods. Where that condition or warranty relates to right to sell, quiet possession or clear title, or the goods are of

a kind ordinarily acquired for personal, domestic or household use or consumption, then none of the limitations in this paragraph apply.

Severity

0 : Information

Explanation

This is part of the Trial Period License Agreement which must be accepted before a trial period can be started. A trial period allows a copy of WebSphere MQ to be used for a limited period only.

Response

None.

AMQ7147

NEW ZEALAND:

No Warranty (Section 2):

The following paragraph is added to this Section:

Although IBM specifies that there are no warranties, you might have certain rights under the Consumer Guarantees Act 1993 or other legislation which cannot be excluded or limited. The Consumer Guarantees Act 1993 will not apply in respect of any goods or services which IBM provides, if you require the goods and services for the purposes of a business as defined in the Act.

Severity

0 : Information

Explanation

This is part of the Trial Period License Agreement which must be accepted before a trial period can be started. A trial period allows a copy of WebSphere MQ to be used for a limited period only.

Response

None.

AMQ7148

Limitation of Liability (Section 3):

The following paragraph is added to this Section:

Where products or services are not acquired for the purposes of a business as defined in the Consumer Guarantees Act 1993, the limitations in this Section are subject to the limitations in that Act.

Severity

0 : Information

Explanation

This is part of the Trial Period License Agreement which must be accepted before a trial period can be started. A trial period allows a copy of WebSphere MQ to be used for a limited period only.

Response

None.

AMQ7149

GERMANY: No Warranty (Section 2):

The following paragraphs are added to this Section:

The minimum warranty period for Programs is six months.

In case a Program is delivered without specifications, we will only warrant that the Program information correctly describes the Program and that the Program can be used according to the Program information. You have to check the usability according to the Program information within the "money-back guaranty" period.

Limitation of Liability (Section 3):

The following paragraph is added to this Section:

The limitations and exclusions specified in the Agreement will not apply to damages caused by IBM with fraud or gross negligence, and for express warranty.

Severity

0 : Information

Explanation

This is part of the Trial Period License Agreement which must be accepted before a trial period can be started. A trial period allows a copy of WebSphere MQ to be used for a limited period only.

Response

None.

AMQ7150

INDIA:

General (Section 4):

The following replaces the fourth paragraph of this Section:

If no suit or other legal action is brought, within two years after the cause of action arose, in respect of any claim that either party might have against the other, the rights of the concerned party in respect of such claim will be forfeited and the other party will stand released from its obligations in respect of such claim.

Severity

0 : Information

Explanation

This is part of the Trial Period License Agreement which must be accepted before a trial period can be started. A trial period allows a copy of WebSphere MQ to be used for a limited period only.

Response

None.

AMQ7151

IRELAND:

No Warranty (Section 2):

The following paragraph is added to this Section:

Except as expressly provided in these terms and conditions, all statutory conditions, including all warranties implied, but without prejudice to the generality of the foregoing all warranties implied by the Sale of Goods Act 1893 or the Sale of Goods and Supply of Services Act 1980 are hereby excluded.

ITALY:

Limitation of Liability (Section 3):

This section is replaced by the following:

Unless otherwise provided by mandatory law, IBM is not liable for any damages which might arise.

Severity

0 : Information

Explanation

This is part of the Trial Period License Agreement which must be accepted before a trial period can be started. A trial period allows a copy of WebSphere MQ to be used for a limited period only.

Response

None.

AMQ7152

UNITED KINGDOM:

Limitation of Liability (Section 3):

The following paragraph is added to this Section at the end of the first paragraph:

The limitation of liability will not apply to any breach of IBM's obligations implied by Section 12 of the Sales of Goods Act 1979 or Section 2 of the Supply of Goods and Services Act 1982.

Severity

0 : Information

Explanation

This is part of the Trial Period License Agreement which must be accepted before a trial period can be started. A trial period allows a copy of WebSphere MQ to be used for a limited period only.

Response

None.

AMQ7153

A license could not be installed for this copy of WebSphere MQ

Severity

20 : Error

Explanation

A Production, Beta or Trial Period license could not be installed for this copy of WebSphere MQ This is because the 'nodelock' file in the 'qmgrs/@SYSTEM' directory could not be created or updated.

Response

Check the ownership and permissions of the 'qmgrs/@SYSTEM' directory.

AMQ7154

The Production license for this copy of WebSphere MQ has expired.

Severity

20 : Error

Explanation

The production license for this copy of WebSphere MQ has an expiry date. This date has been passed.

Response

Contact your IBM support center.

AMQ7155

License file not found or not valid.

Severity

20 : Error

Explanation

The program requires that the License file is present, available and is a valid license file. You can also get this error if you try and use Advanced Message Security (for example, setmqspl) but do not have the AMS component installed.

Response

Check that the installation steps described in the documentation have been followed, and if the problem persists use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ7156

This copy of WebSphere MQ is already running in Production mode.

Severity

0 : Information

Explanation

A Production license has previously been installed for this copy of WebSphere MQ

Response

None.

AMQ7157

The Production license is not valid for this copy of WebSphere MQ

Severity

20 : Error

Explanation

The license *<insert_3>* has been installed but it is not a valid production license for this copy of WebSphere MQ

Response

Submit the SETMQPRD command again specifying the name of a valid production license.

AMQ7158

The Trial Period license is not valid for this copy of WebSphere MQ

Severity

20 : Error

Explanation

The license *<insert_3>* has been installed but it is not a valid trial period license for this copy of WebSphere MQ

Response

Check that the correct version of the file is available.

AMQ7159

A FASTPATH application has ended unexpectedly.

Severity

10 : Warning

Explanation

A FASTPATH application has ended in a way which did not allow the queue manager to clean up the resources owned by that application. Any resources held by the application can only be released by stopping and restarting the queue manager.

Response

Investigate why the application ended unexpectedly. Avoid ending FASTPATH applications in a way which prevents WebSphere MQ from releasing resources held by the application.

AMQ7160

Queue Manager Object

Severity

0 : Information

AMQ7161

Object catalog

Severity

0 : Information

AMQ7162

The setmqaut command completed successfully.

Severity

0 : Information

AMQ7163 (IBM i)

WebSphere MQ job *<insert_2>* started for *<insert_3>*.

Severity

0 : Information

Explanation

The job's PID is *<insert_2>* the CCSID is *<insert_1>*. The job name is *<insert_4>*.

Response

None

AMQ7164 (IBM i)

WebSphere MQ is waiting for a job to start.

Severity

0 : Information

Explanation

WebSphere MQ has been waiting <insert_1> seconds to start job <insert_3> for Queue Manager: <insert_5>

Response

Check that the job queue that is associated with job description <insert_4> is not held and that the appropriate maximum active jobs value in the job queue entry is sufficient to allow the job to start. Check that the subsystem that is associated with the job queue is active and has a sufficient value specified for the maximum number of jobs that can be active at the same time.

AMQ7165

The Beta license for this copy of WebSphere MQ has expired.

Severity

20 : Error

Explanation

This copy of WebSphere MQ was licensed to be used for Beta testing for a limited period only. This period has expired.

Response

Install a Production license for this copy of WebSphere MQ

AMQ7166

The Beta period for this copy of WebSphere MQ has now expired.

Severity

20 : Error

Explanation

This copy of WebSphere MQ was licensed for a limited period only. This period has now expired.

Response

Install a Production license for this copy of WebSphere MQ

AMQ7167

The 'Early Release of Programs License Agreement' was not accepted.

Severity

10 : Warning

Explanation

When the IBM International License Agreement for Early Release of Programs is displayed, the user must accept it before this copy of WebSphere MQ can be used.

Response

Submit the command again and accept the agreement.

AMQ7168

There is one day left in the Beta test period for this copy of WebSphere MQ

Severity

0 : Information

Explanation

This copy of WebSphere MQ is licensed for a limited period only.

Response

None.

AMQ7169

This is the final day of the Beta test period for this copy of WebSphere MQ

Severity

10 : Warning

Explanation

This copy of WebSphere MQ is licensed for a limited period only.

Response

Install a Production license for this copy of WebSphere MQ

AMQ7170 (IBM i)

Option is not valid for this transaction.

Severity

20 : Error

Explanation

The Resolve option is not valid for external transactions. The Commit and Backout options are not valid for internal transactions or heuristically completed transactions. The Forget option is only valid for heuristically completed transactions.

Response

Select a different option for this transaction.

AMQ7171

IBM International License Agreement for Early Release of Programs

Part 1 - General Terms

PLEASE READ THIS AGREEMENT CAREFULLY BEFORE USING THE PROGRAM. IBM WILL LICENSE THE PROGRAM TO YOU ONLY IF YOU FIRST ACCEPT THE TERMS OF THIS AGREEMENT. BY USING THE PROGRAM YOU AGREE TO THESE TERMS. IF YOU DO NOT AGREE TO THE TERMS OF THIS AGREEMENT, PROMPTLY RETURN THE UNUSED PROGRAM TO IBM.

Severity

0 : Information

Explanation

This is part of the Early Release of Programs License Agreement which must be accepted before a Beta test period can be started. A Beta test version allows a copy of WebSphere MQ to be used for a limited period only.

Response

None.

AMQ7172

The Program is owned by International Business Machines Corporation or one of its subsidiaries (IBM) or an IBM supplier, and is copyrighted and licensed, not sold.

The term "Program" means the original program and all whole or partial copies of it. A Program consists of machine-readable instructions, its components, data, audio-visual content (such as images, text, recordings, or pictures), and related licensed materials.

Severity

0 : Information

Explanation

This is part of the Early Release of Programs License Agreement which must be accepted before a Beta test period can be started. A Beta test version allows a copy of WebSphere MQ to be used for a limited period only.

Response

None.

AMQ7173

The term "Early Release" means that the Program is not formally released or generally available. The term does not imply that the Program will be formally released or made generally available. IBM does not guarantee that a Program formally released or made generally available will be similar to, or compatible with, Early Release versions.

THIS AGREEMENT INCLUDES PART 1 - GENERAL TERMS AND PART 2 - COUNTRY-UNIQUE TERMS AND IS THE COMPLETE AGREEMENT REGARDING THE USE OF THIS PROGRAM, AND REPLACES ANY PRIOR ORAL OR WRITTEN COMMUNICATIONS BETWEEN YOU AND IBM. THE TERMS OF PART 2 MAY REPLACE OR MODIFY THOSE OF PART 1.

Severity

0 : Information

Explanation

This is part of the Early Release of Programs License Agreement which must be accepted before a Beta test period can be started. A Beta test version allows a copy of WebSphere MQ to be used for a limited period only.

Response

None.

AMQ7174

1. License

Use of the Program

IBM grants you a nonexclusive, nontransferable license to use the Program.

You may

- 1) use the Program only for internal evaluation or testing purposes and
- 2) make and install a reasonable number of copies of the Program in support of such use, unless IBM identifies a specific number of copies in the documentation accompanying the Program. The terms of this license apply to each copy you make. You will reproduce the copyright notice and any other legends of ownership on each copy, or partial copy, of the Program.

Severity

0 : Information

Explanation

This is part of the Early Release of Programs License Agreement which must be accepted before a Beta test period can be started. A Beta test version allows a copy of WebSphere MQ to be used for a limited period only.

Response

None.

AMQ7175

THE PROGRAM MAY CONTAIN A DISABLING DEVICE THAT WILL PREVENT IT FROM BEING USED UPON EXPIRATION OF THIS LICENSE. YOU WILL NOT TAMPER WITH THIS DISABLING DEVICE OR THE PROGRAM. YOU SHOULD TAKE PRECAUTIONS TO AVOID ANY LOSS OF DATA THAT MIGHT RESULT WHEN THE PROGRAM CAN NO LONGER BE USED.

You will

- 1) maintain a record of all copies of the Program and
- 2) ensure that anyone who uses the Program does so only for your authorized use and in compliance with the terms of this Agreement.

Severity

0 : Information

Explanation

This is part of the Early Release of Programs License Agreement which must be accepted before a Beta test period can be started. A Beta test version allows a copy of WebSphere MQ to be used for a limited period only.

Response

None.

AMQ7176

You may not

- 1) use, copy, modify, or distribute the Program except as provided in this Agreement;
- 2) reverse assemble, reverse compile, or otherwise translate the Program except as specifically permitted by law without the possibility of contractual waiver; or
- 3) sublicense, rent, or lease the Program.

Severity

0 : Information

Explanation

This is part of the Early Release of Programs License Agreement which must be accepted before a Beta test period can be started. A Beta test version allows a copy of WebSphere MQ to be used for a limited period only.

Response

None.

AMQ7177

This license begins with your first use of the Program and ends

- 1) as of the duration or date specified in the documentation accompanying the Program,
- 2) when the Program automatically disables itself, or
- 3) when IBM makes the Program generally available. Unless IBM specifies in the documentation accompanying the Program that you may retain the Program (in which case, an additional charge might apply), you will destroy the Program and all copies made of it within ten days of when this license ends.

Severity

0 : Information

Explanation

This is part of the Early Release of Programs License Agreement which must be accepted before a Beta test period can be started. A Beta test version allows a copy of WebSphere MQ to be used for a limited period only.

Response

None.

AMQ7178

2.No Warranty

SUBJECT TO ANY STATUTORY WARRANTIES WHICH CANNOT BE EXCLUDED, IBM MAKES NO WARRANTIES OR CONDITIONS EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, THE WARRANTY OF NON-INFRINGEMENT AND THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, REGARDING THE PROGRAM OR TECHNICAL SUPPORT, IF ANY.. IBM MAKES NO WARRANTY REGARDING THE CAPABILITY OF THE PROGRAM TO CORRECTLY PROCESS, PROVIDE AND/OR RECEIVE DATE DATA WITHIN AND BETWEEN THE 20TH AND 21ST CENTURIES.

This exclusion also applies to any of IBM's subcontractors, suppliers or program developers (collectively called "Suppliers").

Manufacturers, suppliers, or publishers of non-IBM Programs might provide their own warranties.

Severity

0 : Information

Explanation

This is part of the Early Release of Programs License Agreement which must be accepted before a Beta test period can be started. A Beta test version allows a copy of WebSphere MQ to be used for a limited period only.

Response

None.

AMQ7179

3.Limitation of Liability

NEITHER IBM NOR ITS SUPPLIERS ARE LIABLE FOR ANY DIRECT OR INDIRECT DAMAGES, INCLUDING WITHOUT LIMITATION, LOST PROFITS, LOST SAVINGS, OR ANY INCIDENTAL, SPECIAL, OR OTHER ECONOMIC CONSEQUENTIAL DAMAGES, EVEN IF IBM IS INFORMED OF THEIR POSSIBILITY. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE EXCLUSION OR LIMITATION MAY NOT APPLY TO YOU.

4.Rights In Data

You hereby assign to IBM all right, title, and interest (including ownership of copyright) in any data, suggestions, and written materials related to your use of the Program you provide to IBM. If IBM requires it, you will sign an appropriate document to assign such rights.

Severity

0 : Information

Explanation

This is part of the Early Release of Programs License Agreement which must be accepted before a Beta test period can be started. A Beta test version allows a copy of WebSphere MQ to be used for a limited period only.

Response

None.

AMQ7180

5.General

Nothing in this Agreement affects any statutory rights of consumers that cannot be waived or limited by contract.

IBM may terminate your license if you fail to comply with the terms of this Agreement. If IBM does so, you must immediately destroy the Program and all copies you made of it.

You not export the Program.

Severity

0 : Information

Explanation

This is part of the Early Release of Programs License Agreement which must be accepted before a Beta test period can be started. A Beta test version allows a copy of WebSphere MQ to be used for a limited period only.

Response

None.

AMQ7181

Neither you nor IBM will bring a legal action under this Agreement more than two years after the cause of action arose unless otherwise provided by local law without the possibility of contractual waiver or limitation.

Neither you nor IBM is responsible for failure to fulfill any obligations due to causes beyond its control.

There is no additional charge for use of the Program for the duration of this license.

Neither of us will charge the other for rights in data or any work performed as a result of this Agreement.

IBM does not provide program services or technical support, unless IBM specifies otherwise.

Severity

0 : Information

Explanation

This is part of the Early Release of Programs License Agreement which must be accepted before a Beta test period can be started. A Beta test version allows a copy of WebSphere MQ to be used for a limited period only.

Response

None.

AMQ7182

The laws of the country in which you acquire the Program govern this Agreement, except

1) in Australia, the laws of the State or Territory in which the transaction is performed govern this Agreement;

2) in Albania, Armenia, Belarus, Bosnia/Herzegovina, Bulgaria, Croatia, Czech Republic, Georgia, Hungary, Kazakhstan, Kirghizia, Former Yugoslav Republic of Macedonia (FYROM), Moldova, Poland, Romania, Russia, Slovak Republic, Slovenia, Ukraine, and Federal Republic of Yugoslavia, the laws of Austria govern this Agreement;

3) in the United Kingdom, all disputes relating to this Agreement will be governed by English Law and will be submitted to the exclusive jurisdiction of the English courts;

4) in Canada, the laws of the Province of Ontario govern this Agreement; and

5) in the United States and Puerto Rico, and People's Republic of China, the laws of the State of New York govern this Agreement.

Severity

0 : Information

Explanation

This is part of the Early Release of Programs License Agreement which must be accepted before a Beta test period can be started. A Beta test version allows a copy of WebSphere MQ to be used for a limited period only.

Response

None.

AMQ7183

Part 2 - Country-unique Terms

AUSTRALIA: No Warranty (Section 2): The following paragraph is added to this Section: Although IBM specifies that there are no warranties, you might have certain rights under the Trade Practices Act 1974 or other legislation and are only limited to the extent permitted by the applicable legislation.

Limitation of Liability (Section 3): The following paragraph is added to this Section: Where IBM is in breach of a condition or warranty implied by the Trade Practices Act 1974, IBM's liability is limited to the repair or replacement of the goods, or the supply of equivalent goods. Where that condition or warranty relates to right to sell, quiet possession or clear title, or the goods are of a kind ordinarily acquired for personal, domestic or household use or consumption, then none of the limitations in this paragraph apply.

Severity

0 : Information

Explanation

This is part of the Early Release of Programs License Agreement which must be accepted before a Beta test period can be started. A Beta test version allows a copy of WebSphere MQ to be used for a limited period only.

Response

None.

AMQ7184

GERMANY: No Warranty (Section 2): The following paragraphs are added to this Section: The minimum warranty period for Programs is six months. In case a Program is delivered without Specifications, IBM will only warrant that the Program information correctly describes the Program and that the Program can be used according to the Program information. You have to check the usability according to the Program information within the "money-back guaranty" period.

Limitation of Liability (Section 3): The following paragraph is added to this Section: The limitations and exclusions specified in the Agreement will not apply to damages caused by IBM with fraud or gross negligence, and for express warranty.

Severity

0 : Information

Explanation

This is part of the Early Release of Programs License Agreement which must be accepted before a Beta test period can be started. A Beta test version allows a copy of WebSphere MQ to be used for a limited period only.

Response

None.

AMQ7185

INDIA: General (Section 5): The following replaces the fourth paragraph of this Section: If no suit or other legal action is brought, within two years after the cause of action arose, in respect of any claim that either party might have against the other, the rights of the concerned party in respect of such claim will be forfeited and the other party will stand released from its obligations in respect of such claim.

Severity

0 : Information

Explanation

This is part of the Early Release of Programs License Agreement which must be accepted before a Beta test period can be started. A Beta test version allows a copy of WebSphere MQ to be used for a limited period only.

Response

None.

AMQ7186

IRELAND: No Warranty (Section 2): The following paragraph is added to this Section: Except as expressly provided in these terms and conditions, all statutory conditions, including all warranties implied, but without prejudice to the generality of the foregoing, all warranties implied by the Sale of Goods Act 1893 or the Sale of Goods and Supply of Services Act 1980 are hereby excluded.

Severity

0 : Information

Explanation

This is part of the Early Release of Programs License Agreement which must be accepted before a Beta test period can be started. A Beta test version allows a copy of WebSphere MQ to be used for a limited period only.

Response

None.

AMQ7187

ITALY: Limitation of Liability (Section 3): This Section is replaced by the following: Unless otherwise provided by mandatory law, IBM is not liable for any damages which might arise.

Severity

0 : Information

Explanation

This is part of the Early Release of Programs License Agreement which must be accepted before a Beta test period can be started. A Beta test version allows a copy of WebSphere MQ to be used for a limited period only.

Response

None.

AMQ7188

JAPAN: Rights In Data (Section 4): The following paragraph is added to this Section: You also agree to assign to IBM the rights regarding derivative works, as defined in Articles 27 and 28 of the Japanese Copyright Law. You also agree not to exercise your moral rights.

Severity

0 : Information

Explanation

This is part of the Early Release of Programs License Agreement which must be accepted before a Beta test period can be started. A Beta test version allows a copy of WebSphere MQ to be used for a limited period only.

Response

None.

AMQ7189

NEW ZEALAND: No Warranty (Section 2): The following paragraph is added to this Section: Although IBM specifies that there are no warranties, you might have certain rights under the Consumer Guarantees Act 1993 or other legislation which cannot be excluded or limited. The Consumer Guarantees Act 1993 will not apply in respect of any goods or services which IBM provides, if you require the goods and services for the purposes of a business as defined in that Act.

Limitation of Liability (Section 3): The following paragraph is added to this Section: Where Programs are not acquired for the purposes of a business as defined in the Consumer Guarantees Act 1993, the limitations in this Section are subject to the limitations in that Act.

Severity

0 : Information

Explanation

This is part of the Early Release of Programs License Agreement which must be accepted before a Beta test period can be started. A Beta test version allows a copy of WebSphere MQ to be used for a limited period only.

Response

None.

AMQ7190

UNITED KINGDOM: Limitation of Liability (Section 3): The following paragraph is added to this Section at the end of the first paragraph: The limitation of liability will not apply to any breach of IBM's obligations implied by Section 12 of the Sale of Goods Act 1979 or Section 2 of the Supply of Goods and Services Act 1982.

Severity

0 : Information

Explanation

This is part of the Early Release of Programs License Agreement (VZ125-5544-01 10/97 (MK002)) which must be accepted before a Beta test period can be started. A Beta test version allows a copy of WebSphere MQ to be used for a limited period only.

Response

None.

AMQ7191

There are <insert_1> days left in the beta test period for this copy of WebSphere MQ

Severity

0 : Information

Explanation

This copy of WebSphere MQ is licensed for a limited period only.

Response

None.

AMQ7192

The Beta test period for this copy of WebSphere MQ has already been started.

Severity

0 : Information

Explanation

This copy of WebSphere MQ is licensed for a limited period only and the Beta test period has been started previously.

Response

None.

AMQ7193

Reply 'yes' to accept the Agreement. Reply 'no' if you do not agree to the terms of the Agreement. Reply 'no' and submit the command again, if you want to read the Agreement again.

Severity

0 : Information

Explanation

The IBM International License Agreement for Early Release of Programs has been displayed to the user and the user should now accept or reject the Agreement.

Response

Reply 'yes' or 'no' and press 'Enter'.

AMQ7194

Press Enter to continue

Severity

0 : Information

Explanation

Part of the IBM International License Agreement for Early Release of Programs has been displayed to the user. The user should press the Enter key to indicate that they are ready for the next part of the Agreement to be displayed.

Response

Press the Enter key when ready for the next part of the Agreement to be displayed.

AMQ7195

The Beta test license is not valid for this copy of WebSphere MQ

Severity

20 : Error

Explanation

The license `<insert_3>` has been installed but it is not a valid trial period license for this copy of WebSphere MQ

Response

Check that the correct version of the file is available.

AMQ7196

By installing this product, you accept the terms of the International Program License Agreement and the License Information supplied with the product.

Severity

0 : Information

Response

None.

AMQ7197

A production or trial license could not be installed for this copy of WebSphere MQ

Severity

20 : Error

Explanation

This copy of WebSphere MQ is a beta version and cannot be used with a production or trial license.

Response

Uninstall the beta version of WebSphere MQ and install the production or trial version.

AMQ7198

Insufficient license units.

Severity

10 : Warning

Explanation

The purchased processor allowance (<insert_1>) is less than the number of processors (<insert_2>) in this machine.

Response

Ensure sufficient license units have been purchased and use the MQ setmqcap command to set the purchased processor allowance for this installation. Refer to the Quick Beginnings documentation for more information.

AMQ7198 (IBM i)

Insufficient license units.

Severity

10 : Warning

Explanation

The purchased processor allowance for this installation is zero.

Response

Ensure sufficient license units have been purchased and use the MQ CHGMQMCP command to set the purchased processor allowance for this installation. Refer to the Quick Beginnings documentation for more information.

AMQ7199

The purchased processor allowance is set to <insert_1>.

Severity

0 : Information

Explanation

The purchased processor allowance for this installation has been set to <insert_1> using the MQ setmqcap command.

Response

None.

AMQ7199 (IBM i)

The purchased processor allowance is set to <insert_1>.

Severity

0 : Information

Explanation

The purchased processor allowance for this installation has been set to <insert_1> using the MQ CHGMQMCP command.

Response

None.

AMQ7200

The purchased processor allowance is *<insert_1>*

Severity

0 : Information

Explanation

The purchased processor allowance is currently set to *<insert_1>*

Response

Ensure sufficient license units have been purchased and, if necessary, use the MQ setmqcap command to change the purchased processor allowance for this installation. Refer to the Quick Beginnings documentation for more information.

AMQ7200 (IBM i)

The purchased processor allowance is *<insert_1>*

Severity

0 : Information

Explanation

The purchased processor allowance is currently set to *<insert_1>*

Response

Ensure sufficient license units have been purchased and, if necessary, use the MQ CHGMQMCAP command to change the purchased processor allowance for this installation. Refer to the Quick Beginnings documentation for more information.

AMQ7201

The number of processors in this machine is *<insert_1>*

Severity

0 : Information

Explanation

The operating system reports that the number of processors in this machine is *<insert_1>*

Response

None.

AMQ7202

The number of license units is sufficient for all future possible upgrades to this machine.

Severity

0 : Information

Explanation

The purchased processor allowance for this installation has been set to -1, which allows any permitted processor configuration.

Response

None.

AMQ7203

Purchased processor allowance not set (use setmqcap).

Severity

10 : Warning

Explanation

The purchased processor allowance for this installation has not been set.

Response

Ensure sufficient license units have been purchased and use the MQ setmqcap command to set the purchased processor allowance for this installation. Refer to the Quick Beginnings documentation for more information.

AMQ7203 (IBM i)

Purchased processor allowance not set (use CHGMQMCAP).

Severity

10 : Warning

Explanation

The purchased processor allowance for this installation has not been set.

Response

Ensure sufficient license units have been purchased and use the MQ CHGMQMCAPI command to set the purchased processor allowance for this installation. Refer to the Quick Beginnings documentation for more information.

AMQ7203 (IBM i)

Purchased processor allowance not set (use CHGMQMCAPI).

Severity

10 : Warning

Explanation

The purchased processor allowance for this installation has not been set.

Response

Ensure sufficient license units have been purchased and use the MQ CHGMQMCAPI command to set the purchased processor allowance for this installation. Refer to the Quick Beginnings documentation for more information.

AMQ7204

WebSphere MQ queue manager <insert_3> cannot be started by this installation. It has previously been started by a newer release of WebSphere MQ.

Severity

20 : Error

Explanation

The queue manager has previously been started by a newer release of WebSphere MQ at command level <insert_1>. This installation is not compatible with the newer release's data. Migration between these releases is not possible.

Response

If the queue manager's data is shared using networked storage, ensure that all installations used to start the queue manager are of the same release. The queue manager can be started by installing a release of WebSphere MQ which supports command level <insert_1> or higher.

AMQ7205

WebSphere MQ queue manager <insert_3> cannot be started because the authorization service is incompatible with the setting for ClusterQueueAccessControl.

Severity

20 : Error

Explanation

The queue manager has an authorization service at version <insert_1> and the queue manager is configured to use ClusterQueueAccessControl=RQMName. The authorization service version is incompatible with this setting for ClusterQueueAccessControl, and so the queue manager cannot be started.

Response

Update the setting for ClusterQueueAccessControl to be XmitQ instead of RQMName, or upgrade the authorization service to a minimum of version MQZAS_VERSION_6.

AMQ7206

Group name has been truncated.

Severity

40 : Stop Error

Explanation

WebSphere MQ only supports group names up to 12 characters long. The operating system is attempting to return a group longer than this.

Response

Reduce the group name to 12 characters or less.

AMQ7207 (Windows)

User ID longer than 12 characters.

Severity

40 : Stop Error

Explanation

WebSphere MQ only supports user names up to 12 characters long. This operation is being attempted from a user name longer than this.

Response

Reduce the user name to 12 characters or less.

AMQ7208

The queue manager failed to pass a PCF message to another queue manager.

Severity

10 : Warning

Explanation

The queue manager attempted to put a PCF message to <insert_3> to start the channel <insert_4> to cluster queue manager <insert_5>. The put failed with reason <insert_1>. When the queue manager resolves a cluster queue to a remote cluster queue manager, the message is put to the SYSTEM.CLUS.TRANSMIT.QUEUE. If the channel to the remote cluster queue manager is not running, the queue manager attempts to start the channel by sending a PCF message to <insert_3>.

Response

Resolve the problem with <insert_3> and if necessary start the channel manually.

AMQ7209

The queue manager attempted to open SYSTEM.CHANNEL.INITQ which failed with reason <insert_3>

Severity

10 : Warning

Explanation

When the queue manager resolves a cluster queue to a remote cluster queue manager, the message is put to the SYSTEM.CLUS.TRANSMIT.QUEUE. If the channel to the remote cluster queue manager is not running, the queue manager attempts to start the channel by sending a PCF message to the SYSTEM.CHANNEL.INITQ

Response

Resolve the problem with the SYSTEM.CHANNEL.INITQ and if necessary start the channels manually.

AMQ7210

The Cluster Workload exit module could not be loaded.

Severity

10 : Warning

Explanation

The Cluster Workload exit module <insert_3> could not be loaded for reason <insert_4>.

Response

Correct the problem with the Cluster Workload exit module <insert_3>

AMQ7211

The Queue Manager is still waiting for a reply from the Cluster Workload Exit server process.

Severity

10 : Warning

Explanation

The Queue Manager is configured to run the Cluster Workload Exit in SAFE mode. This means that the Cluster Workload Exit is run by a server process (amqzlw0). The Queue Manager has been waiting <insert_1> seconds for this server process to reply to a request to run the Cluster Workload Exit. It is possible that the exit is hung or is looping.

Response

End the Queue Manager, resolve the problem with the Cluster Workload Exit and restart the Queue Manager

AMQ7212

The address of the Cluster exit function could not be found.

Severity

10 : Warning

Explanation

The address of the Cluster exit function *<insert_4>* could not be found in module *<insert_3>* for reason *<insert_1>* *<insert_5>*.

Response

Correct the problem with the Cluster exit function *<insert_4>* in the module *<insert_3>*

AMQ7214

The module for API Exit *<insert_3>* could not be loaded.

Severity

40 : Stop Error

Explanation

The module *<insert_4>* for API Exit *<insert_3>* could not be loaded for reason *<insert_5>*.

Response

Correct the problem with the API Exit module *<insert_3>*.

AMQ7215

The API Exit *<insert_3>* function *<insert_4>* could not be found in the module *<insert_5>*.

Severity

40 : Stop Error

Explanation

The API Exit *<insert_3>* function *<insert_4>* could not be found in the module *<insert_5>*. The internal return code was *<insert_1>*.

Response

Correct the problem with the API Exit *<insert_3>*.

AMQ7215 (IBM i)

Could not find a function in API Exit *<insert_3>*.

Severity

40 : Stop Error

Explanation

The API Exit *<insert_3>* function *<insert_4>* could not be found in the module *<insert_5>*. The internal return code was *<insert_1>*.

Response

Correct the problem with the API Exit *<insert_3>*.

AMQ7216

An API Exit initialization function returned an error.

Severity

10 : Warning

Explanation

The API Exit *<insert_3>* function *<insert_4>* in the module *<insert_5>* returned CompCode *<insert_1>* and ReasonCode *<insert_2>*.

Response

Correct the problem with the API Exit *<insert_3>*

AMQ7217

The response set by the exit is not valid.

Severity

10 : Warning

Explanation

The API Exit *<insert_3>* module *<insert_4>* function *<insert_5>* returned a response code *<insert_1>* that is not valid in the ExitResponse field of the API Exit parameters (MQAXP).

Response

Investigate why the API Exit *<insert_3>* set a response code that is not valid.

AMQ7219

profile: *<insert_3>*

Severity

0 : Information

AMQ7220

object type: *<insert_3>*

Severity

0 : Information

AMQ7221

entity: *<insert_3>*

Severity

0 : Information

AMQ7222

entity type: *<insert_3>*

Severity

0 : Information

AMQ7223

authority: *<insert_3>*

Severity

0 : Information

AMQ7224

profile: *<insert_3>*, object type: *<insert_4>*

Severity

0 : Information

AMQ7225

No matching authority records.

Severity

0 : Information

Explanation

No authority records match the specified parameters.

AMQ7226

The profile name is invalid.

Severity

20 : Error

Explanation

The profile name contains invalid characters, contains an invalid wildcard specification, or is of invalid length.

Response

Correct the profile name and submit it again.

AMQ7227

WebSphere MQ encountered the following network error: *<insert_3>*

Severity

10 : Warning

Explanation

MQ failed to successfully complete a network operation due to the specified error. If the error is encountered on systems that are part of a Windows 2000 domain it can indicate incorrect DNS or WINS configuration.

Response

Ensure that your network is functioning correctly. On the Windows platform check DNS and/or WINS settings to ensure that domain controllers, used for authentication or authorization functions, are accessible.

AMQ7228 (IBM i)

Display MQ Authority Records for <insert_3>

Severity

0 : Information

AMQ7229

<insert_1> log records accessed on queue manager <insert_3> during the log replay phase.

Severity

0 : Information

Explanation

<insert_1> log records have been accessed so far on queue manager <insert_3> during the log replay phase in order to bring the queue manager back to a previously known state.

Response

None.

AMQ7230

Log replay for queue manager <insert_3> complete.

Severity

0 : Information

Explanation

The log replay phase of the queue manager restart process has been completed for queue manager <insert_3>.

Response

None.

AMQ7231

<insert_1> log records accessed on queue manager <insert_3> during the recovery phase.

Severity

0 : Information

Explanation

<insert_1> log records have been accessed so far on queue manager <insert_3> during the recovery phase of the transactions manager state.

Response

None.

AMQ7232

Transaction manager state recovered for queue manager <insert_3>.

Severity

0 : Information

Explanation

The state of transactions at the time the queue manager ended has been recovered for queue manager <insert_3>.

Response

None.

AMQ7233

<insert_1> out of <insert_2> in-flight transactions resolved for queue manager <insert_3>.

Severity

0 : Information

Explanation

<insert_1> transactions out of <insert_2> in-flight at the time queue manager <insert_3> ended have been resolved.

Response

None.

AMQ7234

<insert_1> messages from queue <insert_4> loaded on queue manager <insert_3>.

Severity

0 : Information

Explanation

<insert_1> messages from queue <insert_4> have been loaded on queue manager <insert_3>.

This message might be issued during the WebSphere MQ checkpointing. See [Using checkpointing to ensure complete recovery](#) for more details.

Response

None.

AMQ7235 (IBM i)

Queue manager library <insert_3> already exists.

Severity

40 : Stop Error

Explanation

The library <insert_3> already exists.

Response

Specify a library which does not already exist.

AMQ7236

WebSphere MQ queue manager <insert_3> activated.

Severity

0 : Information

Explanation

WebSphere MQ queue manager <insert_3> has been activated.

Response

None.

AMQ7237

WebSphere MQ queue manager <insert_3> is not a backup queue manager.

Severity

10 : Warning

Explanation

WebSphere MQ queue manager <insert_3> is not a backup queue manager and so cannot be activated. A possible reason might be that the queue manager is configured for circular logging.

Response

Re-try the command without the '-a' option.

AMQ7238

WebSphere MQ queue manager <insert_3> replay completed.

Severity

0 : Information

Explanation

WebSphere MQ queue manager <insert_3> replay has completed.

Response

None.

AMQ7249

WebSphere MQ queue manager <insert_3> cannot be started for replay.

Severity

20 : Error

Explanation

WebSphere MQ queue manager <insert_3> cannot be started for replay. A possible reason might be that the queue manager is configured for circular logging.

Response

Re-try the command without the '-r' option.

AMQ7250

WebSphere MQ queue manager <insert_3> has not been activated.

Severity

20 : Error

Explanation

WebSphere MQ queue manager <insert_3> cannot be started because it has previously been started for replay but has not been activated.

Response

Activate the queue manager and try starting the queue manager again.

AMQ7253

The command <insert_3> requires one of the following arguments: <insert_4>.

Severity

20 : Error

Explanation

The command <insert_3> required at least one of the following arguments, none of which you supplied: <insert_4>.

Response

Check the WebSphere MQ System Administration documentation for details on the usage of the command, correct the command and then retry.

AMQ7254

Incompatible WebSphere MQ queue manager <insert_3> has not been allowed to start.

Severity

20 : Error

Explanation

An attempt to start a <insert_1>-bit queue manager was made, this was not allowed as previously this was a <insert_2>-bit queue manager. Migration between the previous <insert_2>-bit version to current <insert_1>-bit version is not possible and would result in an unrecoverable corrupted queue manager.

Response

Either delete this queue manager or uninstall the current <insert_1>-bit version and reinstall the previous <insert_2>-bit version.

AMQ7255

Arguments supplied to a command are incompatible.

Severity

20 : Error

Explanation

You supplied arguments to a command that it could not interpret. It is probable that you specified one or more flags that cannot be used at the same time.

Response

Correct the command and submit it again. Additional information on the arguments causing the error might be found in the error logs for the queue manager referenced in the command.

AMQ7256

Trace directory *<insert_3>* has restricted permissions *<insert_4>*.

Severity

10 : Warning

Explanation

The directory *<insert_3>* on your system has permissions *<insert_4>*. Some programs might attempt to write trace files to this directory, and fail because of these restricted permissions.

Response

If you want all WebSphere MQ programs on the system to be able to write trace, it is possible these permissions will restrict them from doing so. Please review the permissions and reset them to the product default, as appropriate.

AMQ7257 (Windows)

The MQ service for installation *<insert_2>* (*<insert_3>*) must be running.

Severity

40 : Stop Error

Explanation

The command *<insert_1>* requires the MQ service, amqsvc.exe, and process amqpsrvn.exe, which it launches, to be running.

Response

Ensure that the MQ service is running before issuing the command. Start the service in one of the following ways:

- From an administrative command prompt, issue the command: ***<insert_3>\bin\strmqsvc.exe***
- From the Computer Management console, select and start the service named 'IBM WebSphere MQ (*<insert_2>*)' from the list of services shown.

AMQ7258

WebSphere MQ queue manager *<insert_3>* running as a standby.

Severity

0 : Information

Explanation

Queue manager *<insert_3>* is running as a standby instance, ready to become the primary instance if the existing primary instance fails.

Response

None.

AMQ7259

WebSphere MQ queue manager *<insert_3>* could not obtain data lock.

Severity

20 : Error

Explanation

Queue manager *<insert_3>* could not be started because it could not obtain a lock on its data in the file-system. The most likely cause is that the queue manager is running on another computer.

Response

None.

AMQ7260

WebSphere MQ queue manager *<insert_3>* is not permitted to become a standby.

Severity

0 : Information

Explanation

WebSphere MQ queue manager <insert_3> could not obtain a lock on its data in the file-system. It was not permitted to become a standby instance waiting to obtain the lock.

Response

None.

AMQ7261

The heuristically completed transaction has been forgotten.

Severity

0 : Information

Explanation

The heuristically completed transaction has now been forgotten by the queue manager.

Response

None.

AMQ7262

<insert_1> heuristically completed transactions for queue manager <insert_3>.

Severity

0 : Information

Explanation

There are <insert_1> heuristically completed transactions for queue manager <insert_3>. These transactions will remain heuristically completed until the queue manager is instructed to forget them by the transaction manager or the system administrator.

Response

None.

AMQ7263

Directory is not located on a local filesystem (<insert_5>).

Severity

10 : Warning

Explanation

Directory <insert_4> appears to be located on a <insert_5> file system. Although WebSphere MQ allows you to create this directory on a non-local file system it is not recommended. Please refer to the System Administration Guide for further information on configuring WebSphere MQ to use shared networked file systems.

Response

None.

AMQ7264

IPC directory path is too long.

Severity

40 : Stop Error

Explanation

IPC directory <insert_3> is too long for this environment. The length of the IPC directory path is <insert_1> characters, however the maximum length allowable is only <insert_2> characters.

Response

The length of the IPC directory path can be reduced by specifying a shorter IPC directory prefix when creating the queue manager, or, by shortening the queue manager name.

AMQ7265

Extended message selection available.

Severity

0 : Information

Explanation

A connection has been made by an application capable of performing extended selection of messages on behalf of IBM WebSphere MQ, including on the content of the message. Extended message selection is now available to subscriptions.

Response

None.

AMQ7266

Extended message selection not available.

Severity

0 : Information

Explanation

The application that connected in order to perform extended selection of messages has now disconnected. Extended message selection is no longer available to subscriptions.

Response

None.

AMQ7267

IBM WebSphere MQ configuration information added.

Severity

0 : Information

Explanation

IBM WebSphere MQ configuration information has been added successfully.

Response

None.

AMQ7268

IBM WebSphere MQ configuration information removed.

Severity

0 : Information

Explanation

IBM WebSphere MQ configuration information has been removed successfully.

Response

None.

AMQ7269

A standby instance of queue manager <insert_5> has been started. The active instance is running elsewhere.

Severity

0 : Information

Explanation

You tried to start the queue manager but it is already running elsewhere. A standby instance of the queue manager started, ready to become the active instance if the existing active instance fails.

Response

None.

AMQ7270

WebSphere MQ queue manager <insert_3> is already running elsewhere. It permits standby instances.

Severity

0 : Information

Explanation

IBM WebSphere MQ queue manager <insert_3> could not obtain a lock on its data in the file-system when it was starting. The lock is held by the active instance of the queue manager. The active instance of the queue manager was started permitting standby instances.

Response

If you are trying to start multiple instances of a queue manager to make it highly available, you must start all of the instances using **strmqm -x**.

AMQ7271

IBM WebSphere MQ configuration information does not exist.

Severity

20 : Error

Explanation

IBM WebSphere MQ configuration information does not exist.

Response

None.

AMQ7272

IBM WebSphere MQ configuration information already exists.

Severity

20 : Error

Explanation

IBM WebSphere MQ configuration information already exists.

Response

None.

AMQ7273

Configuration attribute *<insert_3>* must be supplied.

Severity

20 : Error

Explanation

IBM WebSphere MQ configuration attribute *<insert_3>* is required for this stanza.

Response

Supply a value for this attribute and reissue the command.

AMQ7274

IBM WebSphere MQ queue manager *<insert_3>* already has the maximum number of standby instances.

Severity

20 : Error

Explanation

You tried to start the queue manager but it is already running elsewhere. It is not possible to start another standby instance because the queue manager has already reached the maximum number of standby instances.

Response

None

AMQ7276

IBM WebSphere MQ queue manager cannot switch over.

Severity

20 : Error

Explanation

You cannot switch over the queue manager. This might be because the queue manager does not have a standby instance or the queue manager is ending.

Response

None

AMQ7279

IBM WebSphere MQ queue manager *<insert_3>* lost ownership of data lock.

Severity

20 : Error

Explanation

The instance of queue manager <insert_3> has lost ownership of a lock on its data in the file-system due to a transient failure. It was not able to reobtain the lock and will stop automatically to prevent the risk of data corruption.

Response

Check that another instance of the queue manager has become active. Restart this instance of the queue manager as a standby instance. If this problem recurs, it may indicate that the file-system is not sufficiently reliable to support file locking by a multi-instance queue manager.

AMQ7280

WebSphere MQ queue manager <insert_3> appears unresponsive.

Severity

20 : Error

Explanation

The queue manager is monitoring itself for responsiveness. It is not responding sufficiently quickly and will automatically stop if it continues to be unresponsive.

Response

None.

AMQ7282

Library name 'insert_3' is not expected value of 'insert_4'.

Severity

20 : Error

Explanation

The supplied queue manager library name of <insert_3> does not match the expected value of <insert_4> that was used when queue manager <insert_5> was previously created or started.

If a backup or multi-instance queue manager is being configured and the queue manager library is deliberately different between systems, this has the consequence that queue manager journals must be configured.

Response

Check that the library name <insert_3> is correct for this queue manager instance. If the library name is incorrect, use the RMVMQMINF command to remove the incorrect information and ADDMQMINF to re-enter the correct configuration information.

AMQ7285

The data contained within file <insert_3> cannot be processed by command <insert_4>.

Severity

20 : Error

Explanation

The file <insert_3> was read by the program insert_4 but the contents of the file were found to be incorrect. Possibly this error occurs because the file <insert_4> was incorrectly specified as an argument to command <insert_4> or possibly the file is corrupt.

Response

Ensure the file <insert_3> is of the required format and submit the command again.

AMQ7286

An error occurred while restoring the cluster cache, see the error logs for details

Severity

10 : Warning

Explanation

One or more errors were detected while restoring the cluster cache. This will not prevent the queue manager from starting but the cluster cache held by this queue manager is now incomplete which

may result in inconsistencies in cluster resources visible to and owned by this queue manager. See messages in the error logs for details of the error encountered.

Response

Contact your IBM support center to resolve the problem.

AMQ7287

The command level is outside the range of acceptable values. The value must be at least *<insert_3>* and must not exceed *<insert_4>*.

Severity

20 : Error

Explanation

The command level specified lies outside the range of acceptable values for this command's installation.

Response

Reissue the command specifying a command level in the range of acceptable.

AMQ7288

The queue manager's command level is already *<insert_2>*. No new function has been enabled.

Severity

20 : Error

Explanation

The queue manager's command level is already greater than or equal to the value specified.

Response

None.

AMQ7289

The MQ service for installation *<insert_3>* failed to start with error *<insert_1>*.

Severity

40 : Stop Error

Explanation

The attempt to start the MQ service (amqsvc . exe) for installation 'insert_3' failed, the error from the operating system was *<insert_1>*.

The formatted message text for error *<insert_1>* is *<insert_4>* (if blank this indicates that no message text was available).

Response

In order for the MQ service to start it must have been configured to run using the Prepare WebSphere MQ Wizard, if this has not already happened the service may be configured with an invalid userid or be in a 'Disabled' state.

Check that the service named 'IBM WebSphere MQ (insert_3)' has been properly configured and is enabled, then re-issue the command.

AMQ7290

The MQ service for installation *<insert_3>* started successfully.

Severity

0 : Information

Explanation

The MQ service for installation *<insert_3>* was successfully started, or already running.

Response

None.

AMQ7291**Severity**

40 : Stop Error

Explanation

The attempt to end the MQ service (amqsvc . exe) for installation <insert_3> failed, the error from the operating system was <insert_1>. The formatted message text for error <insert_1> is <insert_4> (if blank this indicates that no message text was available).

Response

Check that the service named 'IBM WebSphere MQ <insert_3>' has been properly configured and is enabled, then re-issue the command.

AMQ7292

The MQ service for installation <insert_3> ended successfully.

Severity

0 : Information

Explanation

The MQ service for installation <insert_3> was successfully ended, or already stopped.

Response

None.

AMQ7293

Usage: strmqsvc

Severity

0 : Information

Explanation

This shows the correct usage.

Response

None.

AMQ7294

Usage: endmqsvc

Severity

0 : Information

Explanation

This shows the correct usage.

Response

None.

AMQ7295

IBM WebSphere MQ queue manager <insert_3> has not been allowed to start due to migration not being supported.

Severity**Explanation**

An attempt to start MQ queue manager <insert_3> was made. This was not allowed as previously this queue manager was started by an older version of MQ. Migration between these releases is not supported.

Response

If the queue manager data is shared, ensure that this queue manager is being started on the correct operating system. The queue manager can be started by installing a compatible release of IBM WebSphere MQ. See: <https://www.ibm.com/software/integration/wmq/requirements>

AMQ7305

Trigger message could not be put on an initiation queue.

Severity

10 : Warning

Explanation

The attempt to put a trigger message on queue <insert_4> on queue manager <insert_5> failed with reason code <insert_1>. The message will be put on the dead-letter queue.

Response

Ensure that the initiation queue is available, and operational.

AMQ7306

The dead-letter queue must be a local queue.

Severity

10 : Warning

Explanation

An undelivered message has not been put on the dead-letter queue <insert_4> on queue manager <insert_5>, because the queue is not a local queue. The message will be discarded.

Response

Inform your system administrator.

AMQ7307

A message could not be put on the dead-letter queue.

Severity

10 : Warning

Explanation

The attempt to put a message on the dead-letter queue <insert_4> on queue manager <insert_5> failed with reason code <insert_1>. The message will be discarded.

Response

Ensure that the dead-letter queue is available and operational.

AMQ7308

Trigger condition <insert_1> was not satisfied.

Severity

0 : Information

Explanation

At least one of the conditions required for generating a trigger message was not satisfied, so a trigger message was not generated. If you were expecting a trigger message, consult the WebSphere MQ Application Programming Guide for a list of the conditions required. (Note that arranging for condition <insert_1> to be satisfied might not be sufficient because the conditions are checked in an arbitrary order, and checking stops when the first unsatisfied condition is discovered.)

Response

If a trigger message is required, ensure that all the conditions for generating one are satisfied.

AMQ7310

Report message could not be put on a reply-to queue.

Severity

10 : Warning

Explanation

The attempt to put a report message on queue <insert_4> on queue manager <insert_5> failed with reason code <insert_1>. The message will be put on the dead-letter queue.

Response

Ensure that the reply-to queue is available and operational.

AMQ7315

Failed to put message to accounting queue. Reason(<insert_1>)

Severity

20 : Error

Explanation

The attempt to put a message containing accounting data to the queue <insert_3> failed with reason code <insert_1>. The message data has been discarded.

This error message will be written only once for attempts to put a message to the queue as part of the same operation which fail for the same reason.

Response

Ensure that the queue *<insert_3>* is available and operational.

AMQ7316

Failed to put message to statistics queue. Reason(*<insert_1>*)

Severity

20 : Error

Explanation

The attempt to put a message containing statistics data to the queue *<insert_3>* failed with reason code *<insert_1>*. The message data has been discarded.

This error message will be written only once for attempts to put a message to the queue as part of the same operation which fail for the same reason.

Response

Ensure that the queue *<insert_3>* is available and operational.

AMQ7320

Failed to access the retained publication queue. Reason(*<insert_1>*)

Severity

20 : Error

Explanation

An attempt to access messages on the system retained publication queue (*<insert_3>*) failed with reason code *<insert_4>* (*<insert_1>*).

Response

Ensure that the queue *<insert_3>* is available and operational.

AMQ7327

Failed to open topic object *<insert_3>* (referenced by *<insert_4>*)

Severity

20 : Error

Explanation

Each entry in *<insert_4>* must have an existing topic object, which has been created before the entry is added to the namelist.

The topic object *<insert_3>* does not exist, and must be created before that stream or subpoint can be used

Response

Ensure that the topic object *<insert_3>* is available. Remove the entry and add it again to the *<insert_4>* namelist to notify the queue manager to check the topic object again.

AMQ7341 (krcI_CLUSSDR_XMITQ_SWITCHED)

The transmission queue for channel *<insert_1>* is *<insert_3>*.

Severity

00 : Information

Explanation

The switch of transmission queue for channel *<insert one>* was required due to a change to the default cluster transmission queue configuration of the queue manager, or to the cluster channel name attribute of a cluster transmission queue.

This message is written because the queue manager completed switching the transmission queue for channel *<insert one>* to queue *<insert three>*.

During the switch the queue manager moved *<n>* messages from *<insert two>* to *<insert three>*.

Response

No further action required.

AMQ7342 (krcE_CLUSSDR_XMITQ_SWITCH_FAILED)

WebSphere MQ was unable to display an error message 20007342

Severity

40 : Error

Explanation

IBM WebSphere MQ attempted to display the message associated with return code X'20007342'. The return code indicates that there is no message text associated with the message. Associated with the request are inserts *<n>* : *<m>* : *<insert one>* : *<insert two>* : *<insert three>*.

Response

Use the standard facilities supplied with your system to record the problem identifier and to save any generated output files. See [IBM WebSphere MQ support web page](#), or [IBM SupportAssistant web page](#), to find out if a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ7343 (krcE_DYNAMIC_Q_NOT_CREATED)

The request to create a dynamic queue named *<insert one>* failed with reason code *<n>*.

Severity

40 : Error

Explanation

A request was made to create a dynamic queue with the name *<insert one>*, based upon the model queue *<insert two>*, but the operation failed with reason code *<n>*. Possible reasons for the failure include:

- A queue of a different type with the same name already exists.
- The model queue could not be accessed.
- Insufficient resources were available to successfully complete the request.

Response

Use the supplied reason code to correct the cause of the failure and reissue the request.

AMQ7345 (krcE_OPEN_OLD_CLUSTER_XMITQ_FAILED)

Unable to open transmission queue *<insert two>* for channel *<insert one>*.

Severity

40 : Error

Explanation

In order to process the switch of transmission queue the original transmission queue *<insert two>* must be opened in order to move any pending messages to the new transmission queue. The open request failed with reason code *<n>*. The switch of transmission queue for channel *<insert one>* cannot proceed.

Response

In order to allow the switch to progress, use the reason code provided to identify the cause of the failure and resolve the problem. If the issue cannot be resolved, or the original transmission queue has been deleted, use the **runswch1** command with the **-n** parameter to cause the transmission queue for the channel to be switched without attempting to move any messages from the original transmission queue to the new transmission queue.

Remember: When using this option it is the responsibility of the IBM WebSphere MQ administrator to deal with any messages pending on the original transmission queue.

AMQ7346 (krcE_OPEN_NEW_CLUSTER_XMITQ_FAILED)

Unable to open new transmission queue *<insert two>* for channel *<insert one>*.

Severity

40 : Error

Explanation

In order to process the switch of transmission queue the new transmission queue *<insert three>* must be opened in order to receive any pending messages from the old transmission queue. The open request failed with reason code *<n>*. The switch of transmission queue for channel *<insert one>* cannot proceed.

Response

In order to allow the switch to progress use the reason code provided to identify the cause of the failure and resolve the problem.

AMQ7347 (krcE_INTERNAL_MQGET_FAILED)

MQGET from queue *<insert one>* failed with reason code *<n>*.

Severity

40 : Error

Explanation

An internal MQGET request called as part of a queue manager operation failed with Reason Code *<n>*.

Response

This error message is issued in association with further error messages which explain the implications of this failure. Use the Queue Name *<insert one>* and reason code *<n>* provided in this message in conjunction with the messages which follow to resolve the problem.

AMQ7348 (krcE_INTERNAL_MQPUT_FAILED)

MQPUT to queue *<insert one>* failed with reason code *<n>*.

Severity

40 : Error

Explanation

An internal MQPUT request called as part of a queue manager operation failed with reason code *<n>*.

Response

This error message is issued in association with further error messages which explain the implications of this failure. Use the Queue Name *<insert one>* and reason code *<n>* provided in this message in conjunction with the messages which follow to resolve the problem.

AMQ7349 (krcE_INTERNAL_MQCMIT_FAILED)

MQCMIT failed with reason code *<n>*.

Severity

40 : Error

Explanation

An internal MQCMIT request called as part of a queue manager operation failed with reason code *<n>*.

Response

This error message is issued in association with further error messages which explain the implications of this failure. Use the reason code *<n>* provided in this message in conjunction with the messages which follow to resolve the problem.

AMQ7350 (krcI_CLUSSDR_XMITQ_SWITCH_STARTED)

The switch of transmission queue from queue *<insert two>* to queue *<insert three>* for channel *<insert one>* has been started.

Severity

00 : Information

Explanation

The switch of transmission queue for channel *<insert one>* is required due to a change to the default cluster transmission queue configuration of the queue manager, or to the cluster channel name attribute of a cluster transmission queue. This message is written when the process of switching the transmission queue is started.

Response

None.

AMQ7351 (krcI_CLUSSDR_XMITQ_SWITCH_MM_STARTED)

The moving of messages for channel *<insert one>* from transmission queue *<insert two>* to transmission queue *<insert three>* has started.

Severity

00 : Information

Explanation

The switch of transmission queue for channel *<insert one>* is required due to a change to the default cluster transmission queue configuration of the queue manager, or to the cluster channel name attribute of a cluster transmission queue. This message is written when the process of moving messages from the old transmission queue *<insert two>* to the new transmission queue is started.

If the switch operation is executing as part of a cluster sender channel starting, then the channel continues to run and transfer messages while the moving of messages is completed. If the switch operation is executing as part of the **runswchl** command, the **runswchl** command completes once all of the messages have been moved.

Response

None.

AMQ7352 (krcI_CLUSSDR_XMITQ_MM_STATUS)

<n> messages have been moved from queue *<insert two>* to queue *<insert three>*.

Severity

00 : Information

Explanation

The switch of transmission queue for channel *<insert one>* requires that messages are moved from the old transmission queue to the new transmission queue. *<m>* messages have been moved from queue *<insert two>* to queue *<insert three>* *<n>* times. The queue has been empty, but a message arrived before the switch could be completed.

Response

None.

AMQ7353 (krcE_SYNCFILE_UPDATE_FAILED)

Unable to update the channel synchronization file during the switch of transmission queue for channel *<insert one>*.

Severity

40 : Error

Explanation

The queue manager was unable to update the channel synchronization file while completing the change of transmission queue from *<insert two>* to *<insert three>* for channel *<insert one>*. The reason code for the failure was *<n>*.

Response

Use the reason code provided, and any other failure messages to correct the cause of the failure, before using the **rcrmqobj** command to recover the contents of the channel synchronization file. Run the command:

```
rcrmqobj -m QMgrName -t syncfile
```

The command rebuilds the synchronization file for the queue manager; see [rcrmqobj](#).

AMQ7432 (IBM i)

WebSphere MQ journal entry not available for replay.

Severity

40 : Stop Error

Explanation

A journal replay operation was attempted, but the operation required journal entries from journal receivers that are not currently present on the system.

Response

Restore the required journal receivers from backup. Then try the operation again.

AMQ7433 (IBM i)

An Error occurred while performing a journal replay.

Severity

40 : Stop Error

Explanation

WebSphere MQ encountered a problem reading one or more journal entries while performing a journal replay operation.

Response

If you have previously created a journal receiver for a queue manager or are performing a cold restart of a queue manager, delete the QMQMCHKPT file from the queue manager subdirectory in /QIBM/UserData/mqm/qmgrs/ and attempt to restart the queue manager. If the problem persists, use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ7434 (IBM i)

The MQ commitment control exit program was called incorrectly. Code *<insert_1>*.

Severity

40 : Stop Error

Explanation

The WebSphere MQ commitment control exit program was called with incorrect parameters.

Response

If the program was called by OS/400 as part of a commit or rollback, save the job log, and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ7435 (IBM i)

The MQ commitment control exit program failed. Code *<insert_1>*.

Severity

40 : Stop Error

Explanation

The WebSphere MQ commitment control exit program failed due to an unexpected error.

Response

Save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ7459 (IBM i)

WebSphere MQ journal receiver *<insert_3>* is the oldest in the chain

Severity

0 : Information

Explanation

The oldest journal receiver in the receiver chain is *<insert_3>* in library *<insert_4>*.

Response

None

AMQ7460 (IBM i)

WebSphere MQ startup journal information.

Severity

0 : Information

Explanation

This message is issued periodically by WebSphere MQ to help you identify which journal receivers can be removed from the system because they are no longer required for startup recovery.

Response

None

AMQ7461 (IBM i)

WebSphere MQ object re-created - reapply authorities.

Severity

0 : Information

Explanation

A previously damaged object has been re-created, either automatically, or by explicit use of the re-create Object (RCRMQMOBJ) command. The authorities that applied to this object have not been re-created.

Response

Use the Grant Authority (GRTMQMAUT) command, as appropriate, to re-create the required authorities to this MQ object.

AMQ7462 (IBM i)

WebSphere MQ media recovery journal information.

Severity

0 : Information

Explanation

This message is issued periodically by WebSphere MQ to help you identify which journal receivers can be removed from the system because they are no longer required for media recovery.

Response

None

AMQ7463

The log for queue manager <insert_3> is full.

Severity

20 : Error

Explanation

This message is issued when an attempt to write a log record is rejected because the log is full. The queue manager will attempt to resolve the problem.

Response

This situation might be encountered during a period of unusually high message traffic. However, if you persistently fill the log, you might have to consider enlarging the size of the log. You can either increase the number of log files by changing the values in the queue manager configuration file. You will then have to stop and restart the queue manager. Alternatively, if you need to make the log files themselves bigger, you will have to delete and re-create the queue manager.

AMQ7464

The log for queue manager <insert_3> is no longer full.

Severity

0 : Information

Explanation

This message is issued when a log was previously full, but an attempt to write a log record has now been accepted. The log full situation has been resolved.

Response

None

AMQ7465

The log for queue manager <insert_3> is full.

Severity

20 : Error

Explanation

An attempt to resolve a log full situation has failed. This is due to the presence of a long-running transaction.

Response

Try to ensure that the duration of your transactions is not excessive. Commit or roll back any old transactions to release log space for further log records.

AMQ7466

There is a problem with the size of the logfile.

Severity

10 : Warning

Explanation

The log for queue manager <insert_3> is too small to support the current data rate. This message is issued when the monitoring tasks maintaining the log cannot keep up with the current rate of data being written.

Response

The number of primary log files configured should be increased to prevent possible log full situations.

AMQ7467

The oldest log file required to start queue manager <insert_3> is <insert_4>.

Severity

0 : Information

Explanation

The log file <insert_4> contains the oldest log record required to restart the queue manager. Log records older than this might be required for media recovery.

Response

You can move log files older than <insert_4> to an archive medium to release space in the log directory. If you move any of the log files required to re-create objects from their media images, you will have to restore them to re-create the objects. An older log file is one with a numerically smaller log number (but allowing for log number wrapping at 9999999).

AMQ7468

The oldest log file required to perform media recovery of queue manager <insert_3> is <insert_4>.

Severity

0 : Information

Explanation

The log file <insert_4> contains the oldest log record required to re-create any of the objects from their media images. Any log files prior to this will not be accessed by media recovery operations.

Response

Use this information together with the information in the most recent AMQ7467 message. Archivable log files are all those older than BOTH <insert_4> and the log file mentioned in the AMQ7467 message.

AMQ7469

Transactions rolled back to release log space.

Severity

0 : Information

Explanation

The log space for the queue manager is becoming full. One or more long-running transactions have been rolled back to release log space so that the queue manager can continue to process requests.

Response

Try to ensure that the duration of your transactions is not excessive. Consider increasing the size of the log to allow transactions to last longer before the log starts to become full.

AMQ7472

Object <insert_3>, type <insert_4> damaged.

Severity

10 : Warning

Explanation

Object *<insert_3>*, type *<insert_4>* has been marked as damaged. This indicates that the queue manager was either unable to access the object in the file system, or that some kind of inconsistency with the data in the object was detected.

Response

If a damaged object is detected, the action performed depends on whether the queue manager supports media recovery and when the damage was detected. If the queue manager does not support media recovery, you must delete the object as no recovery is possible. If the queue manager does support media recovery and the damage is detected during the processing performed when the queue manager is being started, the queue manager will automatically initiate media recovery of the object. If the queue manager supports media recovery and the damage is detected once the queue manager has started, it can be recovered from a media image using the `rcrmqobj` command or it can be deleted.

AMQ7472 (IBM i)

Object *<insert_3>*, type *<insert_4>* damaged.

Severity

10 : Warning

Explanation

Object *<insert_3>*, type *<insert_4>* has been marked as damaged. This indicates that the queue manager was either unable to access the object in the file system, or that some kind of inconsistency with the data in the object was detected.

Response

If a damaged object is detected, the action performed depends on whether the queue manager supports media recovery and when the damage was detected. If the queue manager does not support media recovery, you must delete the object as no recovery is possible. If the queue manager does support media recovery and the damage is detected during the processing performed when the queue manager is being started, the queue manager will automatically initiate media recovery of the object. If the queue manager supports media recovery and the damage is detected once the queue manager has started, it can be recovered from a media image using the `RCRMQMOBJ` command or it can be deleted.

AMQ7477 (IBM i)

WebSphere MQ session no longer active.

Severity

10 : Warning

Explanation

The commitment control exit program was called during a commit or rollback operation. The queue manager was stopped while the program was registered. This might have resulted in the rolling back of some uncommitted message operations.

Response

Inform your system administrator that uncommitted message operations might have been rolled back when the queue manager was stopped.

AMQ7484

Failed to put message to logger event queue. Reason(*<insert_2>*)

Severity

0 : Information

Explanation

The attempt to put a logger event message to the queue *<insert_3>* failed with reason code *<insert_2>*. The message data has been discarded.

Response

Ensure that the queue *<insert_3>* is available and operational. Current logger status information can be displayed with the `DISPLAY QMSTATUS runmqsc` command.

AMQ7485

Transactions rolled forward to release log space.

Severity

0 : Information

Explanation

The log space for the queue manager is becoming full. One or more long-running prepared transactions have been rolled forward to release log space so that the queue manager can continue to process requests. Equivalent log records for the long-running prepared transactions have been created in the active log.

Response

By the time you read this message, the long-running prepared transaction might already have been resolved automatically. If it is not resolved, this message reappears repeatedly whenever the log space for the queue manager is becoming full.

The following steps assume that there is a prepared transaction that is not being resolved automatically. You should investigate what type of transaction it is, and take steps appropriate to the type of transaction.

Use the DSPMQTRN command to check for externally managed in-doubt transactions and the DISPLAY CHS runmqsc command to check for in-doubt channels.

There are several possible responses:

1. If the long-running transaction is owned by external transaction manager software, then the queue manager cannot decide automatically to resolve it (commit it or roll it back). The queue manager remembers its work for this transaction until the external transaction manager software tells the queue manager the outcome (that is, either to commit the transaction or to roll it back). Therefore you must address this issue through your external transaction manager software, either by issuing commands to it, or (if no such commands exist) by restarting it.
2. If the long-running transaction is owned by an in-doubt channel, then investigate its status. If it will not automatically resolve, then consider using the RESOLVE CHANNEL command.
3. If the long-running transaction is owned by the local queue manager on behalf of an application using MQBEGIN, then perhaps the queue manager has lost contact with external resource manager software that participated in the transaction. Investigate and correct the connectivity from the queue manager to the external resource manager software.
4. If none of the other options succeed, consider using the rsvmqtrn command to tell the queue manager to commit or roll back its work done within the in-doubt transaction. Refer to the description of the rsvmqtrn command in the product documentation.

AMQ7486

Transaction *1111.2222* was preventing log space from being released.

Severity

0 : Information

Explanation

A long running transaction was detected. Message AMQ7469 or AMQ7485 has been issued indicating if the transaction was rolled back or rolled forward in the log to allow the log space to be released. The internal transaction identifier is *1111.2222* which can be correlated with '**dspmqtrn -a**' output. The transaction started at *<insert_1>* and first wrote to the queue manager recovery log at *<insert_2>*. The following transaction context might be useful in identifying the application causing this behaviour: *<insert_3>*. This message can be correlated with the previous AMQ7469 or AMQ7485 message in the queue manager error logs.

Response

Identify the application responsible for the long running unit of work and ensure this application is creating and completing transactions in a timely manner. If the application is working as expected it may be appropriate to increase the size of the queue manager recovery log.

AMQ7487

Application *<insert_1>* was preventing log space from being released.

Severity

0 : Information

Explanation

A long running transaction was detected, this message is intended to help identify the application associated with this long running transaction. Message AMQ7469 or AMQ7485 has been issued indicating if the transaction was rolled back or rolled forward in the log to allow the log space to be released. Message AMQ7486 has been issued identifying the transaction context of the transaction that was rolled back or rolled forwards. The application associated with this transaction was running with *Pid 1111, Tid 2222*, under application name *<insert_1>* and with application description *<insert_2>*. The following application context may also be useful in identifying the application causing this behaviour: *<insert_3>*. This message can be correlated with the previous AMQ7486 message in the queue manager error logs.

Response

Identify the application responsible for the long running unit of work and ensure this application is creating and completing transactions in a timely manner. If the application is working as expected it may be appropriate to increase the size of the queue manager recovery log.

AMQ7540

WebSphere MQ program *<insert_3>* attempted to access file or directory (*<insert_4>*), however it does not exist.

Severity

20 : Error

Explanation

<insert_3> is not running as the root UserID, so cannot create the nonexistent file or directory (*<insert_4>*).

Response

If you believe there are existing MQ installations on this machine, or you wish to create a new MQ installation entry, rerun the command as UserID root.

AMQ7541

WebSphere MQ program *<insert_3>* attempted to access file or directory (*<insert_4>*), however access is denied.

Severity

20 : Error

Explanation

<insert_3> is not running as the root UserID, and does not have access to file or directory (*<insert_4>*).

Response

Either correct the permissions to allow access to (*<insert_4>*), or rerun the command with sufficient authority.

AMQ7542

WebSphere MQ program *<insert_3>* found that file or directory (*<insert_4>*) permissions were not as expected.

Severity

20 : Error

Explanation

<insert_3> is not running as the root UserID, so cannot correct file or directory (*<insert_4>*) permissions.

Response

Either correct the permissions to (*<insert_4>*), or rerun the command with sufficient authority to correct the permissions.

AMQ7543

WebSphere MQ program *<insert_3>* found that file (*<insert_4>*) was corrupt but has been repaired.

Severity

0 : Information

Explanation

<insert_3> found that file (<insert_4>) was corrupt and therefore has been repaired.

Response

Whilst <insert_3> has repaired (<insert_4>), you may wish to check that the output from WebSphere MQ program dspmqinst reflects the state of the WebSphere MQ installations on this machine.

AMQ7544

WebSphere MQ program <insert_3> found that configuration data held in (<insert_4>) is corrupt.

Severity

20 : Error

Explanation

<insert_3> needs to access MQ configuration data held in (<insert_4>), however the data has been corrupted.

Response

Contact your IBM support center.

AMQ7545

WebSphere MQ program <insert_3> was supplied an invalid installation path.

Severity

20 : Error

Explanation

<insert_3> was supplied with installation path (<insert_4>), however this matches an entry with a different installation name.

Response

Correct the installation path and rerun the command.

AMQ7546

WebSphere MQ program <insert_3> was supplied an invalid installation name.

Severity

20 : Error

Explanation

<insert_3> was supplied with installation name (<insert_4>), however this matches an entry with a different installation path.

Response

Correct the installation name and rerun the command.

AMQ7547

Entry created successfully.

Severity

0 : Information

Explanation

<insert_3> has successfully created the entry.

Response

None.

AMQ7548

Entry deleted successfully.

Severity

0 : Information

Explanation

<insert_3> has successfully deleted the entry.

Response

None.

AMQ7549

Entry does not exist.

Severity

20 : Error

Explanation

<insert_3> could not find an entry that matched the supplied parameters.

Response

Use the WebSphere MQ program dspmqinst to display all the WebSphere MQ installations on this machine, then rerun the command with valid parameters.

AMQ7550

Entry is still active and has not been deleted.

Severity

20 : Error

Explanation

<insert_3> has found that the entry to be deleted is still an active installation and therefore has not been deleted.

Response

Uninstall the installation then rerun the command.

AMQ7551

Entry uninstalled successfully.

Severity

0 : Information

Explanation

<insert_3> has successfully uninstalled the entry.

Response

None.

AMQ7552

WebSphere MQ program <insert_3> did not complete successfully.

Severity

20 : Error

Explanation

<insert_3> found problems with file (<insert_4>) and therefore could not successfully complete the command.

Response

Check the WebSphere MQ error logs and check if there are any FFST files for further details.

AMQ7553

WebSphere MQ program <insert_3> did not complete successfully.

Severity

20 : Error

Explanation

<insert_3> had an unexpected error and therefore could not successfully complete the command.

Response

Check the WebSphere MQ error logs and check if there are any FFST files for further details.

AMQ7554

WebSphere MQ program <insert_3> was supplied an invalid installation descriptive text.

Severity

20 : Error

Explanation

<insert_3> was supplied with installation descriptive text (<insert_4>), however this exceeds the maximum length allowed (<insert_1>).

Response

Correct the installation descriptive text and rerun the command.

AMQ7555

```
Usage: crtmqinst ((-n InstName | -p InstPath) [-d Text] )&P -d Descriptive text.
&N -n Installation name.
&N -p Installation path.
```

Severity

0

Explanation

This shows the correct usage.

Response

None.

AMQ7556

```
Usage: dlrmqinst (-n InstName | -p InstPath)
&P -n Installation name.
&N -p Installation path.
```

Severity

0

Explanation

This shows the correct usage.

Response

None.

AMQ7557

```
Usage: dspmqinst [-n InstName | -p InstPath]
&P -n Installation name.
&N -p Installation path.
```

Severity

0

Explanation

This shows the correct usage.

Response

None.

AMQ7558

WebSphere MQ program *<insert_3>* has detected an invalid installation in path (*<insert_4>*). The minimum supported level of MQ for coexistence with another version of MQ is version: *<insert_5>*. This message may be the result of installing MQ onto a machine which already had an old version of MQ installed; or a FixPack may have been removed from the installation in path (*<insert_4>*).

The configuration of this machine is not supported. You should uninstall or upgrade to the minimum supported level, the installation in path (*<insert_4>*); or uninstall any secondary MQ installations.

Severity

40 : Stop Error

Explanation

<insert_3> has detected an invalid installation in path (*<insert_4>*). The minimum supported level of MQ for coexistence with another version of MQ is version: *<insert_5>*. This message may be the result of installing MQ onto a machine which already had an old version of MQ installed; or a FixPack may have been removed from the installation in path (*<insert_4>*).

Response

The configuration of this machine is not supported. You should uninstall or upgrade to the minimum supported level, the installation in path (*<insert_4>*); or uninstall any secondary MQ installations.

AMQ7559

WebSphere MQ program *<insert_3>* has detected an invalid installation.

Severity

40 : Stop Error

Explanation

<insert_3> has detected an invalid installation in path (*<insert_4>*). The minimum supported level of MQ for coexistence with another version of MQ is version: *<insert_5>*. This message may be the result of installing MQ onto a machine which already had an old version of MQ installed; or a FixPack may have been removed from the installation in path (*<insert_4>*).

Response

The configuration of this machine is not supported. You should uninstall or upgrade to the minimum supported level, the installation in path (*<insert_4>*); or uninstall any secondary MQ installations.

AMQ7560

WebSphere MQ program *<insert_3>* failed to get a lock on file (*<insert_4>*).

Severity

20 : Error

Explanation

<insert_3> attempted to lock file (*<insert_4>*) to ensure any reading or writing of the file would not result in the file being corrupted.

Response

The file permissions may be incorrect or another process may be preventing *<insert_3>* to obtain the lock. If it is the latter case, the value supplied here for the process identifier (*<insert_1>*) will be a non zero value, in this case rerun the command when that process has ended.

AMQ7561

WebSphere MQ program *<insert_3>* did not complete successfully due to a lack of system resources.

Severity

20 : Error

Explanation

<insert_3> could not obtain system resources such as: storage; handles; disk space, and therefore could not successfully complete the command.

Response

Check the WebSphere MQ error logs and check if there are any FFST files for further details. Rerun the command when sufficient system resources are available.

AMQ7562

WebSphere MQ program *<insert_3>* attempted to access MQ configuration data held in (*<insert_4>*), however access is denied.

Severity

20 : Error

Explanation

<insert_3> needs to access MQ configuration data held in (*<insert_4>*) but does not have permission to access it.

Response

Either correct the permissions to allow access to (*<insert_4>*), or rerun the command with sufficient authority.

AMQ7563

Entry modified successfully.

Severity

0 : Information

Explanation

<insert_3> has successfully modified the entry.

Response

None

AMQ7601

Duplicate XA resource manager is not valid.

Severity

40 : Stop Error

Explanation

Line *<insert_1>* of the configuration file *<insert_3>* contained a duplicate XA resource manager *<insert_5>*. This is not valid for attribute *<insert_4>*. Each XA resource manager must be given a unique name.

Response

Check the contents of the file and retry the operation.

AMQ7601 (Windows)

Duplicate XA resource manager *<insert_5>* not valid for attribute *<insert_4>* at *<insert_3>* in the configuration data.

Severity

40 : Stop Error

Explanation

Key *<insert_3>* in the configuration data contained a duplicate XA resource manager *<insert_5>*. This is not valid for attribute *<insert_4>*. Each XA resource manager must be given a unique name.

Response

Check the contents of the configuration data and retry the operation.

AMQ7602 (IBM i)

The MQ commitment control exit program was called incorrectly.

Severity

40 : Stop Error

Explanation

The WebSphere MQ commitment control exit program was called with incorrect parameters.

Response

If the program was called by OS/400 as part of a commit or rollback, save the job log, and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ7603

WebSphere MQ has been configured with invalid resource manager *<insert_3>*.

Severity

20 : Error

Explanation

The XA switch file *<insert_4>* for resource manager *<insert_3>* indicates that an attempt has been made to configure another queue manager as an external resource manager. This is not allowed so the queue manager will terminate.

Response

Remove the offending XAResourceManager stanza from the qm.ini configuration file and restart the queue manager.

AMQ7603 (Windows)

WebSphere MQ has been configured with resource manager *<insert_3>* that is not valid.

Severity

20 : Error

Explanation

The XA switch file *<insert_4>* for resource manager *<insert_3>* indicates that an attempt has been made to configure another queue manager as an external resource manager. This is not allowed, so the queue manager will terminate.

Response

Remove the offending XAResourceManager stanza from the configuration data and restart the queue manager.

AMQ7604

The XA resource manager *<insert_3>* was not available when called for *<insert_4>*. The queue manager is continuing without this resource manager.

Severity

10 : Warning

Explanation

The XA resource manager *<insert_3>* has indicated that it is not available, by returning XAER_RMERR on an xa_open request or XAER_RMFAIL when called for something else. Normally this indicates that the resource manager has been shut down. In this case the resource manager cannot participate in any new transactions. Any in-flight transactions in which it was involved will be backed out, and any transactions in which it is in-doubt will only be resolved when contact with the resource manager is re-established. A further message will be issued when the queue manager has been able to do this. If the problem occurred on an xa_open request, and the resource manager should be available, then there might be a configuration problem.

Response

Try to establish the reason why the resource manager is unavailable. It might be that an invalid XAOpenString has been defined for the resource manager in the 'qm.ini' configuration file. If this is the case, stop and then restart the queue manager so that any change will be picked up. Alternatively, the queue manager might be reaching a resource constraint with this resource manager. For example, the resource manager might not be able to accommodate all of the queue manager processes being connected at one time, you might need to alter one of its tuning parameters.

AMQ7604 (IBM i)

The XA resource manager was not available when called.

Severity

10 : Warning

Explanation

The XA resource manager *<insert_3>* has indicated that it is not available, by returning XAER_RMERR on an xa_open request or XAER_RMFAIL when called for *<insert_4>*. The queue manager is continuing without this resource manager. Normally this indicates that the resource manager has been shut down. In this case the resource manager cannot participate in any new transactions. Any in-flight transactions in which it was involved will be backed out, and any transactions in which it is in-doubt will only be resolved when contact with the resource manager is re-established. A further message will be issued when the queue manager has been able to do this. If the problem occurred on an xa_open request, and the resource manager should be available, then there might be a configuration problem.

Response

Try to establish the reason why the resource manager is unavailable. It might be that an invalid XAOpenString has been defined for the resource manager in the 'qm.ini' configuration file. If this is the case, stop and then restart the queue manager so that any change will be picked up. Alternatively, the queue manager might be reaching a resource constraint with this resource manager. For example, the resource manager might not be able to accommodate all of the queue manager processes being connected at one time, you might need to alter one of its tuning parameters.

AMQ7605

The XA resource manager *<insert_3>* has returned an unexpected return code *<insert_1>*, when called for *<insert_4>*.

Severity

20 : Error

Explanation

WebSphere MQ received an unexpected return code when calling XA resource manager *<insert_3>* at its *<insert_4>* entry point. This indicates an internal error, either within MQ or the resource manager.

Response

Try to determine the source of the error. A trace of the failure could be used to look at the XA flows between MQ and the resource manager. MQ has allocated an RMIId of *<insert_2>* to this resource manager. This will be useful when isolating the flows associated with the resource manager concerned. If the error occurs on an `xa_commit` or `xa_rollback` request, the queue manager will not attempt to redeliver the commit or rollback instruction for this transaction, until after the queue manager has been restarted. The transaction indoubt is identified by the following XID of `X<insert_5>`. If you think that the error lies within the queue manager, save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard any information describing the problem until after the problem has been resolved.

AMQ7605 (IBM i)

The XA resource manager has returned an unexpected return code.

Severity

20 : Error

Explanation

WebSphere MQ received unexpected return code *<insert_1>* when calling XA resource manager *<insert_3>* at its *<insert_4>* entry point. This indicates an internal error, either within MQ or the resource manager.

Response

Try to determine the source of the error. A trace of the failure could be used to look at the XA flows between MQ and the resource manager. MQ has allocated an RMIId of *<insert_2>* to this resource manager. This will be useful when isolating the flows associated with the resource manager concerned. If the error occurs on an `xa_commit` or `xa_rollback` request, the queue manager will not attempt to redeliver the commit or rollback instruction for this transaction, until after the queue manager has been restarted. The transaction indoubt is identified by the following XID of `X<insert_5>`. If you think that the error lies within the queue manager, save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard any information describing the problem until after the problem has been resolved.

AMQ7606

A transaction has been committed but one or more resource managers have backed out.

Severity

20 : Error

Explanation

WebSphere MQ was processing the commit operation for a transaction involving external resource managers. One or more of these resource managers failed to obey the commit request and instead rolled back their updates. The outcome of the transaction is now mixed and the resources owned by these resource managers might now be out of synchronization. MQ will issue further messages to indicate which resource managers failed to commit their updates.

Response

The transaction with the mixed outcome is identified by the following XID of `X<insert_3>`. The messages which identify the failing resource managers will also contain this same XID. If the transaction has completed it won't be displayed by the `dspmqrn` command and all other transaction participants will have committed their updates. If the transaction is displayed by the `dspmqrn` command then there are some participants still in prepared state. In order to preserve data integrity you will need to perform recovery steps local to the failing resource managers.

AMQ7607

A transaction has been rolled back but one or more resource managers have committed.

Severity

20 : Error

Explanation

WebSphere MQ was rolling back a transaction involving external resource managers. One or more of these resource managers failed to obey the rollback request and instead committed their updates. The outcome of the transaction is now mixed and the resources owned by these resource managers might now be out of synchronization. MQ will issue further messages to indicate which resource managers failed to roll back their updates.

Response

The transaction with the mixed outcome is identified by the following XID of X<insert_3>. The messages which identify the failing resource managers will also contain this same XID. If the transaction has completed it won't be displayed by the dspmqtrn command and all other transaction participants will have rolled back their updates. If the transaction is displayed by the dspmqtrn command then there are some participants still in prepared state. In order to preserve data integrity you will need to perform recovery steps local to the failing resource managers.

AMQ7608

XA resource manager returned a heuristic return code.

Severity

20 : Error

Explanation

This message is associated with an earlier AMQ7606 message reporting a mixed transaction outcome. It identifies one of the resource managers (<insert_4>) that failed to commit its updates. The transaction associated with this failure is identified by the following XID of X<insert_3>.

Response

Use the return code <insert_1> returned by the resource manager to determine the effects of the failure. The return code indicates that the resource manager made a heuristic decision about the outcome of the transaction which disagrees with the commit decision of the queue manager. In order to preserve data integrity you will need to perform recovery steps local to this resource manager.

AMQ7609

XA resource manager returned a heuristic return code.

Severity

20 : Error

Explanation

This message is associated with an earlier AMQ7607 message reporting a mixed transaction outcome. It identifies one of the resource managers (<insert_4>) that failed to roll back its updates. The transaction associated with this failure is identified by the following XID of X<insert_3>.

Response

Use the return code <insert_1> returned by the resource manager to determine the effects of the failure. The return code indicates that the resource manager made a heuristic decision about the outcome of the transaction which disagrees with the rollback decision of the queue manager. In order to preserve data integrity you will need to perform recovery steps local to this resource manager.

AMQ7612

Switch call exception

Severity

20 : Error

Explanation

Exception number <insert_1> occurred when calling resource manager switch <insert_3>.

Response

Check the resource manager switch has not been corrupted.

AMQ7622

WebSphere MQ could not load the XA switch load file for resource manager <insert_3>.

Severity

20 : Error

Explanation

An error has occurred loading XA switch file <insert_4>. If the error occurred during startup then the queue manager will terminate. At all other times the queue manager will continue without this resource manager meaning that it will no longer be able to participate in global transactions. The queue manager will also retry the load of the switch file at regular intervals so that the resource manager will be able to participate again should the load problem be resolved.

Response

Look for a previous message outlining the reason for the load failure. Message AMQ6175 is issued if the load failed because of a system error. If this is the case then follow the guidance given in message AMQ6175 to resolve the problem. In the absence of prior messages or FFST information related to this problem check that the name of the switch load file is correct and that it is present in a directory from which it can be dynamically loaded by the queue manager. The easiest method of doing this is to define the switch load file as a fully-qualified name. Note that if the queue manager is still running it will need to be restarted in order that any changes made to its configuration data can be picked up.

AMQ7623

WebSphere MQ has not been configured with XA resource manager.

Severity

10 : Warning

Explanation

The queue manager has noticed that XA resource manager <insert_3> was removed from the qm.ini file of the queue manager. However, it was logged as being involved in <insert_1> transactions that are still in-doubt. The queue manager cannot resolve these transactions. The queue manager is continuing without this resource manager.

Response

First check that the qm.ini configuration file of the queue manager concerned hasn't been mistakenly altered resulting in an 'XAResourceManager' stanza being removed, or the 'Name' of any the resource managers being changed. If the qm.ini file was changed by mistake then you will need to reinstate resource manager <insert_3> in the qm.ini file before stopping and then restarting the queue manager in order that the change will be picked up. If you have intentionally removed a resource manager from the qm.ini file, consider the integrity implications of your action since the resource manager concerned might be in an in-doubt state. If you are sure that is not the case then you can use the 'rsvmqtrn' command to deliver an outcome on behalf of the resource manager in order that the queue manager can forget about the transactions concerned. If you cannot be sure that such an action will not cause an integrity problem then you should consider re-instating the resource manager in the qm.ini file so that the queue manager can contact the resource manager and automatically resolve the transactions concerned next time the queue manager is restarted.

AMQ7623 (Windows)

WebSphere MQ has not been configured with XA resource manager <insert_3> which might be involved in in-doubt transactions. The queue manager is continuing without this resource manager.

Severity

10 : Warning

Explanation

The queue manager has recognized that XA resource manager <insert_3> was removed from the registry entry of the queue manager. However, it was logged as being involved in <insert_1> transactions that are still in-doubt. The queue manager cannot resolve these transactions.

Response

Check that the configuration data entry of the queue manager concerned has not been altered by mistake, resulting in an 'XAResourceManager' stanza being removed, or the 'Name' of any the resource managers being changed.

If the configuration data entry was changed by mistake, you need to reinstate resource manager <insert_3> in the configuration data before stopping, and then restarting the queue manager to access the change.

If you have intentionally removed a resource manager from the configuration data, consider the integrity implications of your action because the resource manager concerned might be in an in-doubt state.

If you are sure that this is not the case, you can use the 'rsvmqtrn' command to instruct the resource manager to inform the queue manager that it can forget about the transactions concerned.

If using the 'rsvmqtrn' command could result in an integrity problem, you should consider reinstating the resource manager in the configuration data, so that the queue manager can contact the resource manager and automatically resolve the transactions concerned next time the queue manager is restarted.

AMQ7624

An exception occurred during an <insert_4> call to XA resource manager <insert_3>.

Severity

20 : Error

Explanation

An exception has been detected during a call to an XA resource manager. The queue manager will continue after assuming a return code of XAER_RMERR from the call.

Response

An FFST should have been produced which documents the exception. Use this and any further FFSTs to try and determine the reason for the failure. A trace of the problem will be useful to identify the XA flows between the queue manager and the resource manager concerned. MQ has allocated an RMIId of <insert_1> to this resource manager. Use this to isolate the flows concerned. First contact the supplier of the resource manager for problem resolution. If however you think that the problem lies within the queue manager then save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard any information describing the problem until after it has been resolved.

AMQ7625

The XA resource manager <insert_3> has become available again.

Severity

0 : Information

Explanation

WebSphere MQ has managed to regain contact with a resource manager that had become unavailable. Any in-doubt transactions involving this resource manager will be resolved. The resource manager will now be able to participate in new transactions.

Response

None.

AMQ7626

XA resource manager initialization failure. Refer to the error log for more information.

Severity

20 : Error

Explanation

The queue manager has failed to initialize one or more of the XA resource managers defined in the qm.ini configuration file.

Response

Correct the error and restart the queue manager.

AMQ7626 (Windows)

XA resource manager initialization failure. Refer to the error log for more information.

Severity

20 : Error

Explanation

The queue manager has failed to initialize one or more of the XA resource managers defined in the configuration data.

Response

Correct the error and restart the queue manager.

AMQ7627

The XA resource manager *<insert_3>* was not available when called for xa_open. The queue manager is continuing without this resource manager.

Severity

10 : Warning

Explanation

The XA resource manager *<insert_3>* has indicated that it is not available, by returning XAER_RMERR on an xa_open request. Normally this indicates that the resource manager has been shut down. In this case the resource manager cannot participate in any new transactions. Any in-flight transactions in which it was involved will be backed out, and any transactions in which it is in-doubt will only be resolved when contact with the resource manager is re-established. A further message will be issued when the queue manager has been able to do this. If the resource manager should be available, then there might be a configuration problem or another possibility is that you are using a 32-bit instance of Db2, this is not supported on this platform, as WebSphere MQ processes are 64-bit and Db2 does not support 64-bit processes with its 32-bit instances.

Response

Try to establish the reason why the resource manager is unavailable. It might be that an invalid XAOpenString has been defined for the resource manager in the 'qm.ini' configuration file. If this is the case, stop and then restart the queue manager so that any change will be picked up. Alternatively, the queue manager might be reaching a resource constraint with this resource manager. For example, the resource manager might not be able to accommodate all of the queue manager processes being connected at one time, you might need to alter one of its tuning parameters.

AMQ7701

DMPMQLOG command is starting.

Severity

0 : Information

Explanation

You have started the DMPMQLOG command and it is processing your request.

Response

None.

AMQ7702

DMPMQLOG command has finished successfully.

Severity

0 : Information

Explanation

The DMPMQLOG command has finished processing your request and no errors were detected.

Response

None.

AMQ7703

DMPMQLOG command has used option *<insert_3>* with an invalid value *<insert_4>*.

Severity

20 : Error

Explanation

You started the DMPMQLOG command specifying an invalid option value. The *<insert_4>* value for option *<insert_3>* is either missing or of an incorrect format.

Response

Refer to the command syntax, and then try the command again.

AMQ7704

DMPMQLOG command has used an invalid option *<insert_3>*.

Severity

20 : Error

Explanation

You started the DMPMQLOG command specifying an invalid option of *<insert_3>*.

Response

Refer to the command syntax and then try the command again.

AMQ7705

Usage: dmpmqlog [-b | -s StartLSN | -n ExtentNumber] [-e EndLSN] [-f LogFilePath] [-m QMgrName]

Severity

0 : Information

Response

None.

AMQ7706

DMPMQLOG command has used an incorrect queue manager name *<insert_3>* or path *<insert_4>*.

Severity

20 : Error

Explanation

The DMPMQLOG command has used *<insert_3>* as the queue manager name and, if shown, *<insert_4>* as the directory path for *<insert_3>*. Either *<insert_3>* and/or *<insert_4>* is incorrect; if *<insert_4>* is not shown then it is *<insert_3>* which is incorrect.

Possible reasons for the error include:

that *<insert_3>* is not an existing queue manager name;

the entries for *<insert_3>* in the MQ system initialization (INI) file are incorrect;

<insert_4> is not a correct path for *<insert_3>*.

If you started the command specifying option -m (queue manager name option) with a value then this value will have been used as the queue manager name, otherwise the default queue manager name will have been used.

Response

Check that *<insert_3>* is an existing queue manager name. Check your MQ system's initialization (INI) file to ensure that *<insert_3>* and its associated entries are correct. If *<insert_4>* is shown, check that it is a correct MQ system directory path for *<insert_3>*.

AMQ7706 (Windows)

DMPMQLOG command has used an incorrect queue manager name *<insert_3>* or path *<insert_4>*.

Severity

20 : Error

Explanation

The DMPMQLOG command has used *<insert_3>* as the queue manager name and, if shown, *<insert_4>* as the directory path for *<insert_3>*. Either *<insert_3>* and/or *<insert_4>* is incorrect; if *<insert_4>* is not shown then it is *<insert_3>* which is incorrect.

Possible reasons for the error include:

that *<insert_3>* is not an existing queue manager name;

the entries for *<insert_3>* in the MQ configuration data are incorrect;

<insert_4> is not a correct path for *<insert_3>*.

If you started the command specifying option *-m* (queue manager name option) with a value then this value will have been used as the queue manager name, otherwise the default queue manager name will have been used.

Response

Check that *<insert_3>* is an existing queue manager name. Check your MQ configuration data to ensure that *<insert_3>* and its associated entries are correct. If *<insert_4>* is shown, check that it is a correct MQ system directory path for *<insert_3>*.

AMQ7706 (IBM i)

DMPMQLOG command has used an incorrect queue manager name or path.

Severity

20 : Error

Explanation

The DMPMQLOG command has used *<insert_3>* as the queue manager name and, if shown, *<insert_4>* as the directory path for *<insert_3>*. Either *<insert_3>* and/or *<insert_4>* is incorrect; if *<insert_4>* is not shown then it is *<insert_3>* which is incorrect.

Possible reasons for the error include:

that *<insert_3>* is not an existing queue manager name;

the entries for *<insert_3>* in the MQ system initialization (INI) file are incorrect;

<insert_4> is not a correct path for *<insert_3>*.

If you started the command specifying option *-m* (queue manager name option) with a value then this value will have been used as the queue manager name, otherwise the default queue manager name will have been used.

Response

Check that *<insert_3>* is an existing queue manager name. Check your MQ system's initialization (INI) file to ensure that *<insert_3>* and its associated entries are correct. If *<insert_4>* is shown, check that it is a correct MQ system directory path for *<insert_3>*.

AMQ7707

DMPMQLOG command has failed: CompCode = 0x*<insert_1>*.

Severity

20 : Error

Explanation

The DMPMQLOG command has detected an error and the MQ recording routine has been called. Possible reasons for this include a damaged log file, a problem during initialization for the queue manager or an internal MQ failure.

Response

Check that the queue manager being used by DMPMQLOG, as specified by you using the *-m* command option or defaulted, exists and is not currently running. If it does not exist, try the command again specifying an existing queue manager. If it is running, stop the queue manager and then try the command again. Otherwise, use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Note the completion code (CompCode) and then use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ7708

DMPMQLOG command has used an invalid default queue manager name.

Severity

20 : Error

Explanation

You started the DMPMQLOG command without specifying option -m (queue manager name option) and so your MQ default queue manager name has been used. However, this default name either could not be found or is invalid.

Response

Check that the default queue manager name exists and is valid, and then try the command again.

AMQ7709

DMPMQLOG command has used an invalid combination of options.

Severity

20 : Error

Explanation

You started the DMPMQLOG command specifying an invalid combination of the options -b (base LSN option), -s (start LSN option) and -n (extent number option). Only 1 or none of these options can be specified.

Response

Refer to the command syntax and then try the command again.

AMQ7710

DMPMQLOG command has used option -n which is invalid for circular logging.

Severity

20 : Error

Explanation

You started the DMPMQLOG command specifying option -n (extent number option) but this is not valid when your MQ log is defined as circular.

Response

Use a different option and then try the command again.

AMQ7711

DMPMQLOG command has used option -m with a value that is too long.

Severity

20 : Error

Explanation

You started the DMPMQLOG command specifying option -m (queue manager name option) with a value that is more than *<insert_1>* characters.

Response

Specify a shorter queue manager name and then try the command again.

AMQ7712

DMPMQLOG command has used option -f with a value which is too long.

Severity

20 : Error

Explanation

You started the DMPMQLOG command specifying option -f (log file path option) with a value which is more than *<insert_1>* characters.

Response

Specify a shorter log file path name and then try the command again.

AMQ7713

DMPMQLOG command was unable to allocate sufficient storage.

Severity

20 : Error

Explanation

The DMPMQLOG command has been unable to allocate some storage.

Response

Free some storage and then try the command again.

AMQ7714

DMPMQLOG command has reached the end of the log.

Severity

0 : Information

Explanation

The DMPMQLOG command has processed any log data and has now reached the end of the log.

Response

None.

AMQ7715

DMPMQLOG command cannot open file <insert_3>.

Severity

20 : Error

Explanation

The DMPMQLOG command was unable to open file <insert_3> for reading.

Response

Check that the file exists, can be opened for reading, and that you have authority to access it, and then try the command again.

AMQ7716

DMPMQLOG command has finished unsuccessfully.

Severity

0 : Information

Explanation

The DMPMQLOG command has finished with your request but an error has been detected. The previous message issued by the command can be used to identify the error.

Response

Refer to the previous message issued by the command.

AMQ7717

DMPMQLOG command has failed to initialize: CompCode = 0x<insert_1>.

Severity

20 : Error

Explanation

The DMPMQLOG command has failed during its initialization and the MQ recording routine has been called. Possible reasons for this include that your queue manager is already running. The completion code can be used to identify the error.

Response

Check that the queue manager being used by DMPMQLOG, as specified by you using the -m command option or defaulted, exists and is not currently running. If it is running, stop the queue manager and then try the command again. Otherwise, use the standard facilities supplied with your system to record the problem identifier and to save any generated output files. Use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ7718

DMPMQLOG command is using a default of <insert_3> for the queue manager name.

Severity

0 : Information

Explanation

You have started the DMPMQLOG command without specifying option -m (queue manager name option) and so a default value of <insert_3> is being used. This value is obtained from your default queue manager name.

Response

None.

AMQ7718 (IBM i)

DMPMQLOG command is using the default queue manager name.

Severity

0 : Information

Explanation

You have started the DMPMQLOG command without specifying option -m (queue manager name option) and so a default value of <insert_3> is being used. This value is obtained from your MQ default queue manager name.

Response

None.

AMQ7719

DMPMQLOG command is using a default of <insert_3> for the starting dump location.

Severity

0 : Information

Explanation

You have started the DMPMQLOG command without specifying option -b (base LSN option), option -s (start LSN option) or option -n (extent number option), and so a default value of <insert_3> is being used. This value is the Log Sequence Number (LSN) of the first record in the active part of the log, and is used as the location from which to start dumping.

Response

None.

AMQ7719 (IBM i)

DMPMQLOG command is using the default starting dump location.

Severity

0 : Information

Explanation

You have started the DMPMQLOG command without specifying option -b (base LSN option), option -s (start LSN option) or option -n (extent number option), and so a default value of <insert_3> is being used. This value is the Log Sequence Number (LSN) of the first record in the active part of the log, and is used as the location from which to start dumping.

Response

None.

AMQ7720

DMPMQLOG command is using extent <insert_1> but the current extent is <insert_2>.

Severity

20 : Error

Explanation

You have started the DMPMQLOG command specifying option -n (extent number option) with a value of <insert_1> but this value is greater than <insert_2>, which represents the extent currently being used.

Response

When using option -n, specify its value as being less than or equal to the extent number currently being used.

AMQ7721

DMPMQLOG command has not found any log records in extent number *<insert_1>*.

Severity

0 : Information

Explanation

During its normal processing, the DMPMQLOG command did not find any log records in this extent.

Response

None.

AMQ7722

DMPMQLOG command cannot find the object catalog for queue manager *<insert_3>*.

Severity

20 : Error

Explanation

The DMPMQLOG command is using the queue manager named *<insert_3>* but cannot find the manager's object catalog file. This file should have been created at the time the queue manager was created.

Response

Refer to the "System Management Guide" for a description of the location and name of the object catalog file. Check that the file exists and is available for use by this command. If it does not exist then you will need to re-create the queue manager.

AMQ7722 (IBM i)

DMPMQLOG command cannot find the object catalog for the queue manager.

Severity

20 : Error

Explanation

The DMPMQLOG command is using the queue manager named *<insert_3>* but cannot find the manager's object catalog file. This file should have been created at the time the queue manager was created.

Response

Refer to the "System Management Guide" for a description of the location and name of the object catalog file. Check that the file exists and is available for use by this command. If it does not exist then you will need to re-create the queue manager.

AMQ7723

DMPMQLOG command cannot find the requested Log Sequence Number (LSN).

Severity

20 : Error

Explanation

The DMPMQLOG command has been started with an LSN but it cannot be found in the log.

Response

Check for an existing LSN and then try the command again.

AMQ7724

DMPMQLOG command cannot use the requested extent number.

Severity

20 : Error

Explanation

The DMPMQLOG command has been started with an extent number but it is beyond the end of the log.

Response

Check for an existing extent number and then try the command again.

AMQ7725

DMPMQLOG command cannot find an old Log Sequence Number (LSN).

Severity

20 : Error

Explanation

The DMPMQLOG command has been started specifying an LSN which is older than the log's base LSN. However, the specified LSN could not be found.

Response

Check for an existing LSN and then try the command again.

AMQ7726

DMPMQLOG command has used option -s with an incorrect value for circular logging.

Severity

20 : Error

Explanation

You started the DMPMQLOG command specifying option -s (start LSN option) with a value which is less than the base LSN of a log which is defined as circular. LSN values less than the base LSN can only be specified when using a linear log.

Response

When using option -s with a circular log, specify an option value which is equal or greater to the log's base LSN, and then try the command again.

AMQ7751 (IBM i)

MIGRATEMQM program is starting.

Severity

0 : Information

Explanation

You have started the MIGRATEMQM program.

Response

None.

AMQ7752 (IBM i)

MIGRATEMQM has completed successfully.

Severity

0 : Information

Explanation

The MIGRATEMQM program has completed migration of your queue manager and no errors were detected.

Response

None.

AMQ7753 (IBM i)

MIGRATEMQM has failed due to errors.

Severity

20 : Error

Explanation

See the previously listed messages in the job log. Correct the errors and then restart the MIGRATEMQM program.

Response

None.

AMQ7754 (IBM i)

MIGRATEMQM has detected an error and is unable to continue.

Severity

20 : Error

Explanation

See the previously listed messages in this job log, or in associated job logs. Correct the errors and then restart the MIGRATEMQM program.

Response

None.

AMQ7755 (IBM i)

Unable to locate a required journal receiver.

Severity

20 : Error

Explanation

The MIGRATEMQM program attempted to locate the journal receivers to use for migration, but the operation required access to a journal or journal receiver that is not currently present on the system.

Response

Restore the required journal or journal receiver from backup. Then restart the MIGRATEMQM program.

AMQ7756 (IBM i)

Unable to locate a required journal entry.

Severity

20 : Error

Explanation

The MIGRATEMQM program was unable to retrieve a journal entry required for migration. The operation might have failed because a required journal receiver is not currently present on the system.

Response

Restore the required journal receiver from backup. Then restart the MIGRATEMQM program.

AMQ7757 (IBM i)

Queue manager <insert_3> already exists.

Severity

20 : Error

Explanation

The MIGRATEMQM program is unable to create a queue manager with the same name as used in the previous release because a queue manager of this name has already been created.

Response

Delete the queue manager. Then restart the MIGRATEMQM program.

AMQ7758 (IBM i)

Queue manager starting.

Severity

0 : Information

Explanation

The queue manager "<insert_3>" is starting.

Response

None.

AMQ7759 (IBM i)

Recreating WebSphere MQ objects.

Severity

0 : Information

Explanation

WebSphere MQ objects are being re-created from their media images contained in the log.

Response

None.

AMQ7760 (IBM i)

Recreating WebSphere MQ channels.

Severity

0 : Information

Explanation

WebSphere MQ channels are being re-created from the previous channel definition file.

Response

None.

AMQ7761 (IBM i)

Unexpected return code from command <insert_3>.

Severity

20 : Error

Explanation

An unexpected return code, <insert_1>, was returned by command <insert_3>.

Response

See the previously listed messages in this job log, or in associated job logs.

AMQ7762 (IBM i)

Unexpected error from channel migration.

Severity

20 : Error

Explanation

The migration of channel definitions or channel synchronization data encountered an unexpected error.

Response

See the previously listed messages in this job log, or in associated job logs.

AMQ7770

Sent file <insert_3>

Severity

40 : Stop Error

Explanation

The file was successfully sent.

Response

None.

AMQ7771

Received file.

Severity

40 : Stop Error

Explanation

The file was successfully received.

Response

None.

AMQ7772

Complete file list

Severity

40 : Stop Error

Explanation

Displays a list of complete files.

Response

None.

AMQ7773

Incomplete file list

Severity

40 : Stop Error

Explanation

Displays a list of incomplete files.

Response

None.

AMQ7774

Other message list

Severity

40 : Stop Error

Explanation

Displays a list of other messages.

Response

None.

AMQ7775

Nothing to list.

Severity

40 : Stop Error

Explanation

Nothing to list.

Response

None.

AMQ7776

Deleted.

Severity

40 : Stop Error

Explanation

File deleted.

Response

None.

AMQ7777

Nothing to delete.

Severity

40 : Stop Error

Explanation

Nothing to delete.

Response

None.

AMQ7778

Syntax error. The correct syntax is:

Severity

40 : Stop Error

Explanation

Invalid arguments supplied.

Response

One or more options were incorrectly specified when issuing the send or receive command. Check the options used and reissue the command.

AMQ7779

Cannot connect to default queue manager.

Severity

40 : Stop Error

Explanation

Queue manager not available.

Response

Check that the queue manager exists and that the listener is running.

AMQ7780

Cannot connect to queue manager <insert_3>

Severity

40 : Stop Error

Explanation

Queue manager not available.

Response

Check that the queue manager exists and that the listener is running.

AMQ7781

Application memory unavailable.

Severity

40 : Stop Error

Explanation

There is insufficient memory to perform the requested action.

Response

- 1) Check the message size is not excessive
- 2) Close other applications and try the command again

AMQ7783

Queue name required.

Severity

40 : Stop Error

Explanation

A queue name was not specified when issuing a send or receive command.

Response

Reissue the command with the QueueName option.

AMQ7784

Cannot open queue <insert_3>

Severity

40 : Stop Error

Explanation

Cannot open queue <insert_3>

Response

Check that the queue exists.

AMQ7785

Cannot open file <insert_3>

Severity

40 : Stop Error

Explanation

Cannot open file <insert_3>

Response

Check that the file exists, that it is in the correct location and has the appropriate file permissions.

AMQ7786

Cannot put to queue <insert_3>

Severity

40 : Stop Error

Explanation

Cannot put to queue <insert_3>

Response

- 1) Check the Queue Manager has sufficient log space for sending large messages
- 2) Check the queue does not have put inhibited
- 3) Check the queue is not full
- 4) Check the message size of the queue is greater than the message size
- 5) Check the user has sufficient authority to put messages on the queue

AMQ7787

No file name specified.

Severity

40 : Stop Error

Explanation

No file name specified.

Response

A file name was not specified when issuing a send command. Reissue the command with the FileName option.

AMQ7788

Message length is too small to send data.

Severity

40 : Stop Error

Explanation

Message length is too small to send data.

Response

Increase the message size and resend with a send command, using the -l MessageSize option to specify a larger message size.

AMQ7789

Sending file has changed.

Severity

40 : Stop Error

Explanation

The file being sent has been changed before the complete file has been sent.

Response

Check the file for integrity and reissue the send command.

AMQ7790

Cannot get from queue <insert_3>

Severity

40 : Stop Error

Explanation

The list, get, delete or extract request has failed.

Response

- 1) Check the queue does have get inhibited
- 2) Check the user has sufficient WebSphere MQ authority to get messages from the queue

AMQ7791

Cannot write to file.

Severity

40 : Stop Error

Explanation

The get or extract request has failed.

Response

- 1) Check that the file is not write-protected. In Windows Explorer, right-click the file name and select Properties. Check the user has sufficient authority to write to the destination file system.
- 2) Check the destination file system exists
- 3) Check the destination file system is not full

AMQ7792

CorrelId is invalid.

Severity

40 : Stop Error

Explanation

CorrelId is invalid.

Response

- 1) Check that a valid correlation ID has been specified when receiving a file with the -c option.
- 2) It must be 48 characters in length.
- 3) Use the -v option of the receive command to display the correlation ID.

AMQ7793

MsgId is invalid.

Severity

40 : Stop Error

Explanation

MsgId is invalid.

Response

- 1) Check that a valid message ID has been specified when receiving an 'other' message with the -u option.
- 2) It must be 48 characters in length.

AMQ7794

No messages to receive.

Severity

40 : Stop Error

Explanation

There are no FTA files on the specified queue.

Response

Check with the sender that the file was actually sent.

AMQ7795

Cannot delete the file because it's not unique.

Severity

40 : Stop Error

Explanation

Cannot delete the file because it's not unique.

Response

None.

AMQ7796

Cannot replace an existing file.

Severity

40 : Stop Error

Explanation

Cannot replace an existing file.

Response

Reissue the command with the -y option.

AMQ7797

Unable to load the WebSphere MQ library.

Severity

40 : Stop Error

Explanation

Unable to load the WebSphere MQ library.

Response

None.

AMQ7798

Unable to locate <insert_3>.

Severity

40 : Stop Error

Explanation

This application requires <insert_3>.

Response

Check that <insert_3> is available and installed correctly.

AMQ7799

Unable to start <insert_3>.

Severity

40 : Stop Error

Explanation

This application cannot start <insert_3>.

Response

Check that <insert_3> is available and installed correctly.

AMQ7800

CorrelId <insert_3>

Severity

0 : Information

Explanation

None.

Response

None.

AMQ7801

Dir <insert_3>

Severity

0 : Information

Explanation

None.

Response

None.

AMQ7802

UserData <insert_3>

Severity

0 : Information

Explanation

None.

Response

None.

AMQ7803

FileName <insert_3>

Severity

0 : Information

Explanation

None.

Response

None.

AMQ7804

Length <insert_3>

Severity

0 : Information

Explanation

None.

Response

None.

AMQ7805

MsgId <insert_3>

Severity

0 : Information

Explanation

None.

Response

None.

AMQ7806

Could not start WebSphere MQ web administration server: <insert_1>.

Severity

0 : Information

Explanation

An unsuccessful attempt was made to start the web administration server on port <insert_1>.

Response

Check the product is installed correctly; the required registry keys and values are correct and the web server port is not already in use. If the problem persists save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ7807

WebSphere MQ web administration server running.

Severity

0 : Information

Explanation

WebSphere MQ web administration server running. Listening on port *<insert_4>*, root directory is *<insert_5>*.

Response

No action is required.

AMQ7808

Internal run-time error in WebSphere MQ web administration: *<insert_4>*.

Severity

0 : Information

Explanation

WebSphere MQ web administration had the following internal run-time error: *<insert_4>*.

Response

Check that: the product is installed correctly and that the required registry keys and values are correct. If the problem persists save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ7809

WebSphere MQ Publish/Subscribe web administration user limit reached.

Severity

10 : Warning

Explanation

The maximum number of concurrent web administration users has been reached (*<insert_4>*).

Response

Use the 'Web Administration Server' properties page in the Microsoft Management Console to increase the value of the web administration 'MaxClients' parameter.

AMQ7810 (Windows)

Failed to create class, reason code: *<insert_1>*.

Severity

20 : Error

Explanation

While trying to create class *<insert_3>* on *<insert_4>* error code *<insert_1>* was encountered. The associated error message generated by the operating system is: *<insert_5>*

Response

Check the system documentation to determine the course of action required to rectify the problem.

AMQ7880 (Windows)

Error code *<insert_1>* starting *<insert_4>/<insert_3>* WebSphere MQ service.

Severity

0 : Information

Explanation

The service was unable to start *<insert_4>/<insert_3>*. The error message reported was as follows: *<insert_5>*

Response

Use WebSphere MQ Explorer to investigate why the service could not begin. If recovery for this service is active, MQ attempts to recover.

AMQ7881 (Windows)

Unable to stop *<insert_4>/<insert_3>* WebSphere MQ service, return code *<insert_1>*.

Severity

10 : Warning

Explanation

The WebSphere MQ service was unable to stop <insert_4>/<insert_3>. The error message reported was as follows: <insert_5>

Response

Use WebSphere MQ Explorer to investigate why the service could not be stopped.

AMQ7882 (Windows)

Attempting to recover <insert_4>/<insert_3> WebSphere MQ service.

Severity

0 : Information

Explanation

The WebSphere MQ service has detected that <insert_4>/<insert_3> has failed, and is attempting to restart it.

Response

No Action Required.

AMQ7883 (Windows)

<insert_4>/<insert_3> WebSphere MQ service started from recovery.

Severity

0 : Information

Explanation

The WebSphere MQ service has successfully recovered <insert_4>/<insert_3>.

Response

No Action Required.

AMQ7884 (Windows)

Unable to recover <insert_4>/<insert_3> WebSphere MQ service.

Severity

10 : Warning

Explanation

The WebSphere MQ service has attempted to recover <insert_4>/<insert_3>, but all attempts have failed. There are no more attempts to recover this service.

Response

Use WebSphere MQ Explorer to investigate why the service failed and could not be restarted.

AMQ7885 (Windows)

Unable to delete queue manager <insert_4>, error <insert_1>.

Severity

10 : Warning

Explanation

An attempt to delete queue manager <insert_4> failed. WebSphere MQ returned error code <insert_1>: <insert_5>

Response

Ensure that the queue manager name has been specified correctly, and try again.

AMQ7886 (Windows)

Unable to create queue manager <insert_4>.

Severity

10 : Warning

Explanation

Queue manager <insert_4> could not be created. WebSphere MQ returned error <insert_1>: <insert_5>

Response

Check the error and application event logs to investigate the reason for the returned error and suggested responses to take to rectify the fault. If the problem cannot be resolved then

use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ7890 (Windows)

Unable to open mapped file containing WebSphere MQ performance data.

Severity

20 : Error

Explanation

The WebSphere MQ extensible counter dll was unable to open a mapped file used to collect queue performance data. Your system might be running short on virtual storage.

Response

No action required. Performance statistics for MQ queues will not be displayed.

AMQ7891 (Windows)

Unable to create a mutex to access WebSphere MQ performance data.

Severity

20 : Error

Explanation

The WebSphere MQ extensible counter dll was unable to create a mutex required to synchronize collection of queue performance data

Response

No action required. Performance statistics for MQ queues will not be displayed.

AMQ7892 (Windows)

Unable to map to shared memory file containing WebSphere MQ performance data.

Severity

20 : Error

Explanation

The WebSphere MQ extensible counter dll was unable to map the shared memory file required for collection of queue performance data.

Response

No action required. Performance statistics for MQ queues will not be displayed.

AMQ7893 (Windows)

Unable to open "Performance" key for WebSphere MQ services. Status code: <insert_1>.

Severity

20 : Error

Explanation

The WebSphere MQ extensible counter dll was unable to obtain performance counter values from the "Performance" key for WebSphere MQ services. Status code is the return value from the Windows registry call RegOpenKeyEx.

Response

No action required. Performance statistics for MQ queues will not be displayed.

AMQ7894 (Windows)

Unable to read the "Performance\First Counter" value for WebSphere MQ services. Status code: <insert_1>.

Severity

20 : Error

Explanation

The WebSphere MQ extensible counter dll was unable to obtain performance counter values from the "Performance\First Counter" key for WebSphere MQ services. Status code is the return value from the Windows registry call RegOpenKeyEx.

Response

No action required. Performance statistics for MQ queues will not be displayed.

AMQ7895 (Windows)

Unable to read the "Performance\First Help" value for WebSphere MQ services. Status code: <insert_1>.

Severity

20 : Error

Explanation

The WebSphere MQ extensible counter dll was unable to obtain performance counter values from the "Performance\First Help" key for WebSphere MQ services. Status code is the return value from the Windows registry call RegOpenKeyEx.

Response

No action required. Performance statistics for MQ queues will not be displayed.

AMQ7901

The data-conversion exit <insert_3> has not loaded.

Severity

30 : Severe error

Explanation

The data-conversion exit program, <insert_3>, failed to load. The internal function gave exception <insert_4>.

Response

Use the standard facilities supplied with your system to record the problem identifier and to save any generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ7903

The data-conversion exit <insert_3> cannot be found.

Severity

30 : Severe error

Explanation

Message data conversion has been requested for a WebSphere MQ message with a user-defined format, but the necessary data-conversion exit program, <insert_3>, cannot be found. The internal function gave exception <insert_4>.

Response

Check that the necessary data-conversion exit <insert_3> exists.

AMQ7904

The data-conversion exit <insert_3> cannot be found, or loaded.

Severity

30 : Severe error

Explanation

Message data conversion was requested for a WebSphere MQ message with a user-defined format, but the necessary data conversion exit program, <insert_3>, was not found, or loaded. The <insert_4> function call gave a return code of <insert_1>.

Response

Check that the necessary data conversion exit routine exists in one of the standard directories for dynamically loaded modules. If necessary, inspect the generated output to examine the message

descriptor (MQMD structure) of the MQ message for the conversion which was requested. This might help you to determine where the message originated.

AMQ7905

Unexpected exception *<insert_4>* in data-conversion exit.

Severity

30 : Severe error

Explanation

The data-conversion exit program, *<insert_3>*, ended with an unexpected exception *<insert_4>*. The message has not been converted.

Response

Use the standard facilities supplied with your system to record the problem identifier and to save any generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ7907

Unexpected exception in data-conversion exit.

Severity

30 : Severe error

Explanation

The data-conversion exit routine, *<insert_3>*, ended with an unexpected exception. The message has not been converted.

Response

Correct the error in the data-conversion exit routine.

AMQ7908 (Windows)

Display active directory CRL server details.

Severity

0 : Information

Explanation

Display active directory CRL server details.

Response

None.

AMQ7909 (Windows)

There are no active directory CRL server details to display.

Severity

0 : Information

Explanation

No active directory CRL server definitions could be found.

Response

None.

AMQ7910 (Windows)

Usage: setmqscp [-a [-m QmgrName | *] | -r [-m QmgrName | *] | -d]

Severity

0 : Information

AMQ7911 (Windows)

The default Active Directory could not be located on your domain.

Severity

20 : Error

Explanation

No domain controllers with Active Directories could be found on the domain that your computer is a member of.

Response

Active Directory support for MQ MQI client connections cannot be used without a default Active Directory available on your domain.

AMQ7912 (Windows)

The Active Directory support library failed to initialize.

Severity

20 : Error

Explanation

WebSphere MQ support libraries for Active Directory client connections could not be initialized.

Response

Check that the Active Directory client pre-requisite software has been installed on your machine before attempting to use this feature.

AMQ7913 (Windows)

The WebSphere MQ Active Directory container could not be created.

Severity

20 : Error

Explanation

WebSphere MQ has failed to create an IBM-MQClientConnections container as a child of your domain's system container in the Active Directory.

Response

Ensure that you have permission to create sub-containers of the system container, and modify the otherWellKnownObjects property of the system container.

AMQ7914 (Windows)

Migration of the client connection table for Queue Manager <insert_3> failed with reason code <insert_1><insert_4>.

Severity

10 : Warning

Explanation

The client connection table for this Queue Manager could not be migrated at this time.

Response

Ensure that the client connection table exists and is not corrupted, and that you have authority to create new objects in the Active Directory on your domain.

AMQ7915 (Windows)

Created service connection point for connection <insert_3>.

Severity

0 : Information

Explanation

The service connection point was successfully created for this client connection.

Response

None.

AMQ7916 (Windows)

The Active Directory channel definition table could not be opened.

Severity

20 : Error

Explanation

The IBM-MQClientConnections Active Directory container could not be located in the Global Catalog.

Response

Ensure that setmqscp has been used to create the container object and that you have permission to read the container and its child objects.

AMQ7917 (Windows)

Display active directory channel details.

Severity

0 : Information

Explanation

Display active directory channel details.

Response

None.

AMQ7918 (Windows)

The WebSphere MQ Active Directory container could not be deleted.

Severity

20 : Error

Explanation

There was a problem when attempting to delete the MQ Active Directory container. The container must be empty before it can be deleted from the directory.

Response

None.

AMQ7919 (Windows)

There are no active directory client channel details to display.

Severity

0 : Information

Explanation

No active directory client channel definitions could be found.

Response

None.

AMQ7920 (Windows)

Usage: setmqcrl [-m QmgrName] [-a] [-d] [-r]

Severity

0 : Information

AMQ7921

An incorrect eye-catcher field in an MQDXP structure has been detected.

Severity

30 : Severe error

Explanation

The MQDXP structure passed to the Internal Formats Conversion routine contains an incorrect eye-catcher field.

Response

Use the standard facilities supplied with your system to record the problem identifier and to save any generated output files. Use either the [IBM WebSphere MQ support web page](https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ) at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ7922

A PCF message is incomplete.

Severity

30 : Severe error

Explanation

Message data conversion cannot convert a message in Programmable Command Format (PCF) because the message is only *<insert_1>* bytes long and does not contain a PCF header. The message has either been truncated, or it contains data that is not valid.

Response

Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor of the message to determine the source of the message and to see how data that is not valid became included in the message.

AMQ7923

A message had an unrecognized integer encoding - *<insert_1>*.

Severity

30 : Severe error

Explanation

Message data conversion cannot convert a message because the integer encoding value of the message, *<insert_1>*, was not recognized.

Response

Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor of the message to determine the source of the message and to see how data that is not valid became included in the message.

AMQ7924

Bad length in the PCF header (length = *<insert_1>*).

Severity

30 : Severe error

Explanation

Message data conversion cannot convert a message in Programmable Command Format (PCF) because the PCF header structure contains an incorrect length field. Either the message has been truncated, or it contains data that is not valid.

Response

Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor of the message to determine the source of the message and to see how data that is not valid became included in the message.

AMQ7925

Message version *<insert_1>* is not supported.

Severity

30 : Severe error

Explanation

Message data conversion cannot convert a message because the Version field of the message contains an incorrect value.

Response

Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor of the message to determine the source of the message and to see how data that is not valid became included in the message.

AMQ7926

A PCF message has an incorrect parameter count value *<insert_1>*.

Severity

30 : Severe error

Explanation

Message data conversion cannot convert a message in Programmable Command Format (PCF) because the parameter count field of the PCF header is incorrect.

Response

Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor of the message to determine the source of the message and to see how data that is not valid became included in the message.

AMQ7927

Bad type in PCF structure number *<insert_1>* (type = *<insert_2>*).

Severity

30 : Severe error

Explanation

A Programmable Command Format (PCF) structure passed to the Internal Formats Converter contained an incorrect type field.

Response

Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor of the message to determine the source of the message and to see how data that is not valid became included in the message.

AMQ7928

Bad length in PCF structure number *<insert_1>* (length = *<insert_2>*).

Severity

30 : Severe error

Explanation

A Programmable Command Format (PCF) structure passed to the Internal Formats Converter contained an incorrect length field.

Response

Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor of the message to determine the source of the message and to see how data that is not valid became included in the message.

AMQ7929

A PCF structure is incomplete.

Severity

30 : Severe error

Explanation

Message data conversion cannot convert a message in Programmable Command Format (PCF) because structure number *<insert_1>*, of Type value *<insert_2>*, within the message is incomplete. The message has either been truncated, or it contains data that is not valid.

Response

Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor of the message to determine the source of the message and to see how data that is not valid became included in the message.

AMQ7930

Bad CCSID in PCF structure number *<insert_1>* (CCSID = *<insert_2>*).

Severity

30 : Severe error

Explanation

A Programmable Command Format (PCF) structure passed to the Internal Formats Converter contains an incorrect CCSID.

Response

Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor of the message to determine the source of the message and to see how data that is not valid became included in the message.

AMQ7931

Bad length in PCF structure number *<insert_1>* (length = *<insert_2>*).

Severity

30 : Severe error

Explanation

Message data conversion cannot convert a message in Programmable Command Format (PCF) because one of the structures of the message contains an incorrect length field.

Response

Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor of the message to determine the source of the message and to see how data that is not valid became included in the message.

AMQ7932

Bad count in PCF structure number *<insert_1>* (count = *<insert_2>*).

Severity

30 : Severe error

Explanation

Message data conversion cannot convert a message in Programmable Command Format (PCF) because a StringList structure of the message contains an incorrect count field.

Response

Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor, the headers of the message, and the incorrect structure to determine the source of the message, and to see how data that is not valid became included in the message.

AMQ7933

Bad string length in PCF structure.

Severity

30 : Severe error

Explanation

Message data conversion cannot convert a message in Programmable Command Format (PCF) because structure number *<insert_1>* of the message contains an incorrect string length value *<insert_2>*.

Response

Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor, the headers of the message, and the incorrect structure to determine the source of the message and to see how data that is not valid became included in the message.

AMQ7934

Wrong combination of MQCCSI_DEFAULT with MQCCSI_EMBEDDED or MQEPH_CCSID_EMBEDDED.

Severity

30 : Severe error

Explanation

Message data conversion could not convert a message in Programmable Command Format (PCF) because structure *<insert_1>* of the message contained a CodedCharSetId field of MQCCSI_DEFAULT while the message itself had a CodedCharSetId of MQCCSI_EMBEDDED, or the Flags field of the

MQEPH structure containing the PCF specified flag MQEPH_CCSID_EMBEDDED. These are incorrect combinations.

Response

Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor, the headers of the message and the incorrect structure to determine the source of the message and to see how data that is not valid became included in the message.

AMQ7935

Bad CCSID in message header (CCSID = *<insert_1>*).

Severity

30 : Severe error

Explanation

Message data conversion could not convert a message because the Message Descriptor of the message contained an incorrect CodedCharSetId field.

Response

Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor of the message to determine the source of the message and to see how data that is not valid became included in the message.

AMQ7936

The file *<insert_3>* already exists.

Severity

30 : Severe error

Explanation

The output file already exists, but REPLACE has not been specified.

Response

Specify REPLACE to over-write the existing file, or select a different output file name.

AMQ7937

Structure length *<insert_1>* in MQFMT_IMS_VAR_STRING format message is not valid.

Severity

30 : Severe error

Explanation

This error is detected when attempting data conversion. The valid range for the length is 4 (with no string data) to 32767. The message is returned unconverted with a reason code of MQRC_CONVERTED_STRING_TOO_BIG.

Response

Check the content of the message before data conversion and correct the message format. When converting data using two or more bytes per character, remember that the number of bytes in each character can change during data conversion. This causes the message lengths to change.

AMQ7943

Usage: crtmqcvx SourceFile TargetFile

Severity

0 : Information

Explanation

None.

Response

None.

AMQ7953

One structure has been parsed.

Severity

0 : Information

Explanation

The crtmqcvx command has parsed one structure.

Response

None.

AMQ7954

<insert_1> structures have been parsed.

Severity

0 : Information

Explanation

The crtmqcvx command has parsed <insert_1> structures.

Response

None.

AMQ7955

Unexpected field: <insert_1>.

Severity

0 : Information

Explanation

The field within the structure is of a type that is not recognized.

Response

Correct the field and retry the command.

AMQ7956

Bad array dimension.

Severity

0 : Information

Explanation

An array field of the structure has an incorrect dimension value.

Response

Correct the field and retry the command.

AMQ7957

Warning at line <insert_1>.

Severity

20 : Error

Explanation

The structure contains another field after a variable length field. A variable length field must be the last field of the structure.

Response

Correct the structure and retry the command.

AMQ7958

Error at line <insert_1> in field <insert_3>.

Severity

30 : Severe error

Explanation

Field name <insert_3> is a field of type 'float'. Fields of type float are not supported by this command.

Response

Either correct the structure to eliminate fields of type float, or write your own routine to support conversion of these fields.

AMQ7959

Error at line *<insert_1>* in field *<insert_3>*.

Severity

30 : Severe error

Explanation

Field name *<insert_3>* is a field of type 'double'. Fields of type double are not supported by this command.

Response

Either correct the structure to eliminate fields of type double, or write your own routine to support conversion of these fields.

AMQ7960

Error at line *<insert_1>* in field *<insert_3>*.

Severity

30 : Severe error

Explanation

Field name *<insert_3>* is a 'pointer' field. Fields of type pointer are not supported by this command.

Response

Either correct the structure to eliminate fields of type pointer, or write your own routine to support conversion of these fields.

AMQ7961

Error at line *<insert_1>* in field *<insert_3>*.

Severity

30 : Severe error

Explanation

Field name *<insert_3>* is a 'bit' field. Bit fields are not supported by this command.

Response

Either correct the structure to eliminate bit fields, or write your own routine to support conversion of these fields.

AMQ7962

No input file specified.

Severity

30 : Severe error

Explanation

This command requires that an input file is specified.

Response

Specify the name of the input file and retry the command.

AMQ7963

No output file specified.

Severity

30 : Severe error

Explanation

This command requires that an output file name is specified.

Response

Specify the name of the output file and retry the command.

AMQ7964

Unexpected option *<insert_3>*.

Severity

30 : Severe error

Explanation

The option specified is not valid for this command.

Response

Retry the command with a valid option.

AMQ7965

Incorrect number of arguments.

Severity

30 : Severe error

Explanation

The command was passed an incorrect number of arguments.

Response

Retry the command, passing it the correct number of arguments.

AMQ7968

Cannot open file <insert_3>.

Severity

30 : Severe error

Explanation

You cannot open the file <insert_3>.

Response

Check that you have the correct authorization to the file and retry the command.

AMQ7969

Syntax error.

Severity

30 : Severe error

Explanation

This line of the input file contains a language syntax error.

Response

Correct the syntax error and retry the command.

AMQ7970

Syntax error on line <insert_1>.

Severity

30 : Severe error

Explanation

This message identifies where, in the input file, a previously reported error was detected.

Response

Correct the error and retry the command.

AMQ7985 (Windows)

The WebSphere MQ Active Directory container already exists.

Severity

0 : Information

Explanation

The IBM-MQClientConnections Active Directory container already exists and does not need to be re-created.

Response

None.

AMQ7986 (Windows)

The WebSphere MQ Active Directory container was successfully created.

Severity

0 : Information

Explanation

The IBM-MQClientConnections Active Directory container was successfully created.

Response

None.

AMQ7987 (Windows)

Removed service connection point for connection <insert_3>.

Severity

0 : Information

Explanation

The service connection point was successfully removed for this client connection.

Response

None.

AMQ7988 (Windows)

Failure removing service connection point for connection <insert_3>.

Severity

10 : Warning

Explanation

The service connection point could not be removed for this client connection.

Response

None.

AMQ7989 (Windows)

The WebSphere MQ Active Directory container was removed successfully.

Severity

0 : Information

Explanation

The IBM-MQClientConnections Active Directory container was removed successfully.

Response

None.

AMQ7990 (Windows)

The WebSphere MQ Active Directory container does not exist.

Severity

0 : Information

Explanation

The IBM-MQClientConnections Active Directory container does not exist.

Response

None.

AMQ7A01 (IBM i)

Convert MQ Data Type

AMQ7A02 (IBM i)

Display MQ Version

AMQ7A03 (IBM i)

Create MQ Listener

AMQ7A04 (IBM i)

Listener name

AMQ7A05 (IBM i)

Listener control

AMQ7A06 (IBM i)

Listener backlog

AMQ7A07 (IBM i)

Change MQ Listener

AMQ7A08 (IBM i)

Copy MQ Listener

AMQ7A09 (IBM i)

From Listener

AMQ7A0A (IBM i)

To Listener

AMQ7A0B (IBM i)

Display MQ Listener

AMQ7A0C (IBM i)

Delete MQ Listener

AMQ7A0D (IBM i)

LSRNAME not allowed with PORT

Severity

40 : Stop Error

Explanation

A listener object cannot be specified with a port.

Response

Specify either a listener object or a port number.

AMQ7A0E (IBM i)

LSRNAME not allowed with IPADDR

Severity

40 : Stop Error

Explanation

A listener object cannot be specified with an IP address.

Response

Specify either a listener object or an IP address.

AMQ7A0F (IBM i)

Work with MQ Listener object

AMQ7A10 (IBM i)

Create MQ Service

AMQ7A11 (IBM i)

Change MQ Service

AMQ7A12 (IBM i)

Copy MQ Service

AMQ7A13 (IBM i)

Service name

AMQ7A14 (IBM i)

Start program

AMQ7A15 (IBM i)

Start program arguments

AMQ7A16 (IBM i)

End program

AMQ7A17 (IBM i)

End program arguments

AMQ7A18 (IBM i)

Standard output

AMQ7A19 (IBM i)

Standard error

AMQ7A1A (IBM i)

Service type

AMQ7A1B (IBM i)

Service control

AMQ7A1C (IBM i)

From Service

AMQ7A1D (IBM i)

To Service

AMQ7A1E (IBM i)

Display MQ Service

AMQ7A1F (IBM i)

Permit Standby Queue Manager

AMQ7A20 (IBM i)

Delete MQ Service

AMQ7A21 (IBM i)

Work with MQ Service object

AMQ7A23 (IBM i)

Start MQ Service

AMQ7A24 (IBM i)

End MQ Service

AMQ7A25 (IBM i)

Channel initiator control

AMQ7A26 (IBM i)

Command server control

AMQ7A27 (IBM i)

Display Queue Manager Status

AMQ7A28 (IBM i)

Display Listener Status

AMQ7A29 (IBM i)

Display Service Status

AMQ7A2A (IBM i)

LSRNAME not allowed with OPTION

Severity

40 : Stop Error

Explanation

A listener object cannot be specified with an end option.

Response

Specify either a listener object or an end option.

AMQ7A2B (IBM i)

Service startup

AMQ7A2C (IBM i)

Work with Connection Handles

AMQ7A2D (IBM i)

Connection Identifier

AMQ7A2E (IBM i)

End Queue Manager Connection

AMQ7A2F (IBM i)

Work with MQ Connections

AMQ7A30 (IBM i)

Header Compression

AMQ7A31 (IBM i)

Message Compression

AMQ7A32 (IBM i)

Message compression *ANY not valid for channel type.

Severity

30 : Severe error

Explanation

The message compression value *ANY is only valid for *RCVR, *RQSTR and *SVRCN channel types.

Response

Specify a valid message compression list.

AMQ7A33 (IBM i)

Channel Monitoring

AMQ7A34 (IBM i)

Channel Statistics

AMQ7A35 (IBM i)

Cluster Workload Rank

AMQ7A36 (IBM i)

Cluster Workload Priority

AMQ7A37 (IBM i)

Cluster Channel Weight

AMQ7A38 (IBM i)

Cluster workload channels

AMQ7A39 (IBM i)

Cluster workload queue use

AMQ7A3A (IBM i)

Queue Monitoring

AMQ7A3B (IBM i)

Queue Manager Statistics

AMQ7A3C (IBM i)

Cluster Sender Monitoring

AMQ7A3D (IBM i)

Queue Statistics

AMQ7A3E (IBM i)

Cluster Sender Statistics

AMQ7A3F (IBM i)

Statistics Interval

AMQ7A40 (IBM i)

Display MQ Route Information

AMQ7A41 (IBM i)

Correlation Identifier

AMQ7A42 (IBM i)

Message Persistence

AMQ7A43 (IBM i)

Message Priority

AMQ7A44 (IBM i)

Report Option

AMQ7A45 (IBM i)

Reply Queue

AMQ7A46 (IBM i)

Reply Queue Manager

AMQ7A47 (IBM i)

Message Expiry

AMQ7A48 (IBM i)

Pass Expiry

AMQ7A49 (IBM i)

Route Accumulation

AMQ7A4A (IBM i)

Reply Message

AMQ7A4B (IBM i)

Deliver Message

AMQ7A4C (IBM i)

Forward Message

AMQ7A4D (IBM i)

Maximum Activities

AMQ7A4E (IBM i)

Route Detail

AMQ7A4F (IBM i)

Browse Only

AMQ7A50 (IBM i)

Display Message

AMQ7A51 (IBM i)

Target Queue Manager

AMQ7A52 (IBM i)

Display Information

AMQ7A53 (IBM i)

Wait Time

AMQ7A54 (IBM i)

RTEINF(*YES) required for RPLYMSG(*YES).

Severity

30 : Severe error

Explanation

RPLYMSG(*YES) cannot be specified without RTEINF(*YES).

Response

If RPLYMSG(*YES) is specified then RTEINF(*YES) must also be specified.

AMQ7A55 (IBM i)

RPLYQ required for RPLYMQM.

Severity

30 : Severe error

Explanation

RPLYMQM cannot be specified without RPLYQ.

Response

If RPLYMQM is specified then RPLYQ must also be specified.

AMQ7A56 (IBM i)

CRRLID specified with invalid parameters.

Severity

30 : Severe error

Explanation

The CRRLID parameter was specified with one or more of MSGPST, MSGPRTY, OPTION, RPLYQ, RPLYMQM, EXPIRY, EXPRPT, RTEINF RPLYMSG, DLVRMSG, FWDMSG, MAXACTS, DETAIL and BIND which are invalid with CRRLID.

Response

Specify only those parameters which are valid with CRRLID.

AMQ7A57 (IBM i)

DSPMSG(*NO) specified with invalid parameters.

Severity

30 : Severe error

Explanation

DSPMSG(*NO) was specified with one or more of BROWSE, DSPINF and WAIT which are invalid with DSPMSG(*NO).

Response

Specify only those parameters which are valid with DSPMSG(*NO).

AMQ7A58 (IBM i)

RPLYQ required for DSPMSG(*NO) and RPLYMSG(*YES).

Severity

30 : Severe error

Explanation

DSPMSG(*NO) and RPLYMSG(*YES) cannot be specified without RPLYQ.

Response

If DSPMSG(*NO) and RPLYMSG(*YES) are specified than RPLYQ must also be specified.

AMQ7A59 (IBM i)

RPLYQ required for DSPMSG(*NO) and OPTION not *NONE.

Severity

30 : Severe error

Explanation

DSPMSG(*NO) and OPTION not *NONE cannot be specified without RPLYQ.

Response

If DSPMSG(*NO) and OPTION not *NONE are specified than RPLYQ must also be specified.

AMQ7A5A (IBM i)

Run WebSphere MQ Commands

AMQ7A5B (IBM i)

Non Persistent Message Class

AMQ7A5C (IBM i)

NPMCLASS not allowed with queue type *ALS or *RMT.

Severity

40 : Stop Error

Explanation

The NPMCLASS parameter cannot be specified for a queue of type *ALS or *RMT.

Response

Remove the NPMCLASS parameter from the command or, if the command is CRTMQMQ, specify a different value for QTYPE. Then try the command again.

AMQ7A5D (IBM i)

MONQ not allowed with queue type *ALS or *RMT.

Severity

40 : Stop Error

Explanation

The MONQ parameter cannot be specified for a queue of type *ALS or *RMT.

Response

Remove the MONQ parameter from the command or, if the command is CRTMQMQ, specify a different value for QTYPE. Then try the command again.

AMQ7A5E (IBM i)

STATQ not allowed with queue type *ALS or *RMT.

Severity

40 : Stop Error

Explanation

The STATQ parameter cannot be specified for a queue of type *ALS or *RMT.

Response

Remove the STATQ parameter from the command or, if the command is CRTMQMQ, specify a different value for QTYPE. Then try the command again.

AMQ7A5F (IBM i)

ACCTQ not allowed with queue type *ALS or *RMT.

Severity

40 : Stop Error

Explanation

The ACCTQ parameter cannot be specified for a queue of type *ALS or *RMT.

Response

Remove the ACCTQ parameter from the command or, if the command is CRTMQMQ, specify a different value for QTYPE. Then try the command again.

AMQ7A60 (IBM i)

All queue managers have been quiesced.

Severity

0 : Information

Explanation

All queue managers have been successfully quiesced.

Response

None.

AMQ7A61 (IBM i)

MQMNAME not valid for TRCEARLY(*YES).

Severity

40 : Stop Error

Explanation

The MQMNAME parameter can only be specified for TRCEARLY(*NO). TRCEARLY(*YES) applies to all queue managers.

Response

If TRCEARLY(*YES) is required remove MQMNAME from the command.

AMQ7A62 (IBM i)

MQMNAME not valid for SET(*END).

Severity

40 : Stop Error

Explanation

The MQMNAME parameter can only be specified for SET(*ON) or SET(*OFF). SET(*END) applies to all queue managers.

Response

If SET(*END) is required remove MQMNAME from the command.

AMQ7A63 (IBM i)

Bind Option

AMQ7A64 (IBM i)

TGTMQMNAME only valid for channel type *CLTCN.

Severity

40 : Stop Error

Explanation

The TGTMQMNAME parameter can only be specified with channel type *CLTCN.

Response

Remove the TGTMQMNAME parameter from the command or, if the command is CRTMQMCHL, specify a different value for CHLTYPE. Then try the command again.

AMQ7A65 (IBM i)

Invalid value specified for JOB parameter.

Severity

40 : Stop Error

Explanation

A value for the JOB parameter has been specified however the format of the parameter is incorrect. The value of this parameter can be one of the following formats:

generic-jobname

Job-name/User/Number

Job-name/User/Number/thread-identifier.

Note that the thread-identifier cannot be specified without a fully qualified jobname.

Response

Specify a value in one of the acceptable formats and then try the command again. If you are prompting this command, you must enter characters in the job name field first to clear an invalid value specified elsewhere in the parameter entry.

AMQ7A66 (IBM i)

Data Directory Prefix

AMQ7A67 (IBM i)

IPC Directory Prefix

AMQ7A68 (IBM i)

Allow Switchover

AMQ7A69 (IBM i)

ASP device

AMQ7B00 (IBM i)

MQI Accounting

AMQ7B01 (IBM i)

Input file

AMQ7B02 (IBM i)

Queue Accounting

AMQ7B03 (IBM i)

Member containing input

AMQ7B04 (IBM i)

Accounting Interval

AMQ7B05 (IBM i)

Accounting Override

AMQ7B06 (IBM i)

Trace data size

AMQ7B07 (IBM i)

Perform replay only

AMQ7B08 (IBM i)

Activate backup

AMQ7B09 (IBM i)

No connection handles to display

AMQ7B0A (IBM i)

Trace Route Recording

AMQ7B0B (IBM i)

Activity Recording

AMQ7B0C (IBM i)

No queue manager connections to display

AMQ7B0D (IBM i)

No listener objects to display

AMQ7B0E (IBM i)

No service objects to display

AMQ7B0F (IBM i)

CLWLRANK not allowed with queue type *MDL.

Severity

40 : Stop Error

Explanation

The CLWLRANK parameter cannot be specified for a queue of type *MDL.

Response

Remove the CLWLRANK parameter from the command or, if the command is CRTMQMQ, specify a different value for QTYPE. Then try the command again.

AMQ7B10 (IBM i)

CLWLPRTY not allowed with queue type *MDL.

Severity

40 : Stop Error

Explanation

The CLWLPRTY parameter cannot be specified for a queue of type *MDL.

Response

Remove the CLWLPRTY parameter from the command or, if the command is CRTMQMQ, specify a different value for QTYPE. Then try the command again.

AMQ7B11 (IBM i)

LSRNAME not allowed with BACKLOG

Severity

40 : Stop Error

Explanation

A listener object cannot be specified with a listener backlog.

Response

Specify either a listener object or a listener backlog.

AMQ7B12 (IBM i)

MONCHL not valid for channel type *CLTCN.

Severity

40 : Stop Error

Explanation

The MONCHL parameter cannot be specified with channel type *CLTCN.

Response

Remove the MONCHL parameter from the command or, if the command is CRTMQMCHL, specify a different value for CHLTYPE. Then try the command again.

AMQ7B13 (IBM i)

STATCHL not valid for channel types *CLTCN and *SVRCN

Severity

40 : Stop Error

Explanation

The STATCHL parameter is valid only with channel type *SDR, *SVR, *RCVR, *RQSTR, *CLUSSDR or *CLUSRCVR.

Response

Remove the STATCHL parameter from the command or, if the command is CRTMQMCHL, specify a different value for CHLTYPE. Then try the command again.

AMQ7B14 (IBM i)

CLWLRANK only valid for channel types *CLUSSDR and *CLUSRCVR.

Severity

40 : Stop Error

Explanation

The CLWLRANK parameter can only be specified with channel types *CLUSSDR or *CLUSRCVR.

Response

Remove the CLWLRANK parameter from the command or, if the command is CRTMQMCHL, specify a different value for CHLTYPE. Then try the command again.

AMQ7B15 (IBM i)

CLWLPRTY only valid for channel types *CLUSSDR and *CLUSRCVR.

Severity

40 : Stop Error

Explanation

The CLWLPRTY parameter can only be specified with channel types *CLUSSDR or *CLUSRCVR.

Response

Remove the CLWLPRTY parameter from the command or, if the command is CRTMQMCHL, specify a different value for CHLTYPE. Then try the command again.

AMQ7B16 (IBM i)

CLWLWGHT only valid for channel types *CLUSSDR and *CLUSRCVR.

Severity

40 : Stop Error

Explanation

The CLWLWGHT parameter can only be specified with channel types *CLUSSDR or *CLUSRCVR.

Response

Remove the CLWLWGHT parameter from the command or, if the command is CRTMQMCHL, specify a different value for CHLTYPE. Then try the command again.

AMQ7B17 (IBM i)

CLWLUSEQ only allowed with queue type *LCL.

Severity

40 : Stop Error

Explanation

The CLWLUSEQ parameter can only be specified for a queue of type *LCL.

Response

Remove the CLWLUSEQ parameter from the command or, if the command is CRTMQMQ, specify a value of *LCL for QTYPE. Then try the command again.

AMQ7B18 (IBM i)

MCAUSRID not valid for channel type *CLTCN.

Severity

40 : Stop Error

Explanation

The MCAUSRID parameter cannot be specified with channel type *CLTCN.

Response

Remove the MCAUSRID parameter from the command or, if the command is CRTMQMCHL, specify a different value for CHLTYPE. Then try the command again.

AMQ7B20 (IBM i)

Message Read Ahead

AMQ7B21 (IBM i)

MSGREADAHD not allowed with queue type *RMT.

Severity

40 : Stop Error

Explanation

The MSGREADAHD parameter cannot be specified for a queue of type *RMT.

Response

Remove the MSGREADAHD parameter from the command or, if the command is CRTMQMQ, specify a different value for QTYPE. Then try the command again.

AMQ7B22 (IBM i)

Sharing Conversations

AMQ7B23 (IBM i)

SHARECNV is valid only when CHLTYPE is *SVRCN or *CLTCN.

Severity

40 : Stop Error

Explanation

The sharing conversations (SHARECNV) parameter cannot be specified for a channel type other than *SVRCN or *CLTCN.

Response

Remove the SHARECNV parameter from the command or, if the command is CRTMQMCHL, specify a different value for CHLTYPE. Then try the command again.

AMQ7B24 (IBM i)

Maximum Property Data Length

AMQ7B25 (IBM i)

Default Put Response

AMQ7B26 (IBM i)

Message mark-browse interval

AMQ7B27 (IBM i)

Property Control

AMQ7B28 (IBM i)

Maximum Instances

AMQ7B29 (IBM i)

Maximum Instances Per Client

AMQ7B2A (IBM i)

Client Channel Weight

AMQ7B2B (IBM i)

Connection Affinity

AMQ7B2C (IBM i)

Target Type

AMQ7B2D (IBM i)

PROPCTL not allowed with queue type *RMT.

Severity

40 : Stop Error

Explanation

The PROPCTL parameter cannot be specified for a queue of type *RMT.

Response

Remove the PROPCTL parameter from the command or, if the command is CRTMQMQ, specify a different value for QTYPE. Then try the command again.

AMQ7B2E (IBM i)

TARGETYPE only allowed with queue type *ALS.

Severity

40 : Stop Error

Explanation

The TARGETYPE parameter can only be specified for a queue of type *ALS.

Response

Remove the TARGETYPE parameter from the command or, if the command is CRTMQMQ, specify a different value for QTYPE. Then try the command again.

AMQ7B2F (IBM i)

PROPCTL only allowed with channel type *SDR, *SRV, *CLUSSDR or *CLUSRCVR.

Severity

40 : Stop Error

Explanation

The PROPCTL parameter can only be specified for a channel of type *SDR, *SVR, *CLUSSDR or *CLUSRCVR.

Response

Remove the PROPCTL parameter from the command or, if the command is CRTMQMCHL, specify a different value for CHLTYPE. Then try the command again.

AMQ7B30 (IBM i)

MAXINST only allowed with channel type *SVRCN.

Severity

40 : Stop Error

Explanation

The MAXINST parameter can only be specified for a channel of type *SVRCN.

Response

Remove the MAXINST parameter from the command or, if the command is CRTMQMCHL, specify a different value for CHLTYPE. Then try the command again.

AMQ7B31 (IBM i)

MAXINSTC only allowed with channel type *SVRCN.

Severity

40 : Stop Error

Explanation

The MAXINSTC parameter can only be specified for a channel of type *SVRCN.

Response

Remove the MAXINSTC parameter from the command or, if the command is CRTMQMCHL, specify a different value for CHLTYPE. Then try the command again.

AMQ7B32 (IBM i)

CLNTWGHT only allowed with channel type *CLTCN.

Severity

40 : Stop Error

Explanation

The CLNTWGHT parameter can only be specified for a channel of type *CLTCN.

Response

Remove the CLNTWGHT parameter from the command or, if the command is CRTMQMCHL, specify a different value for CHLTYPE. Then try the command again.

AMQ7B33 (IBM i)

AFFINITY only allowed with channel type *CLTCN.

Severity

40 : Stop Error

Explanation

The AFFINITY parameter can only be specified for a channel of type *CLTCN.

Response

Remove the AFFINITY parameter from the command or, if the command is CRTMQMCHL, specify a different value for CHLTYPE. Then try the command again.

AMQ7B34 (IBM i)

Create MQ Topic

AMQ7B35 (IBM i)

Change MQ Topic

AMQ7B36 (IBM i)

Copy MQ Topic

AMQ7B37 (IBM i)

Display MQ Topic

AMQ7B38 (IBM i)

Topic name

AMQ7B39 (IBM i)

Topic string

AMQ7B3A (IBM i)

Durable subscriptions

AMQ7B3B (IBM i)

Durable model queue

AMQ7B3C (IBM i)

Non-durable model queue

AMQ7B3D (IBM i)

Publish

AMQ7B3E (IBM i)

Subscribe

AMQ7B3F (IBM i)

Wildcard behaviour

AMQ7B40 (IBM i)

Persistent message delivery

AMQ7B41 (IBM i)

Non-persistent message delivery

AMQ7B42 (IBM i)

From topic

AMQ7B43 (IBM i)
To topic

AMQ7B44 (IBM i)
PubSub max msg retry count

AMQ7B45 (IBM i)
PubSub NPM msg

AMQ7B46 (IBM i)
PubSub NPM msg response

AMQ7B47 (IBM i)
PubSub syncpoint

AMQ7B48 (IBM i)
Change MQ Subscription

AMQ7B49 (IBM i)
Copy MQ Subscription

AMQ7B4A (IBM i)
From subscription

AMQ7B4B (IBM i)
To subscription

AMQ7B4C (IBM i)
Destination Queue Manager

AMQ7B4D (IBM i)
Destination Correlation Id

AMQ7B4E (IBM i)
Subscription User Id

AMQ7B4F (IBM i)
Publish Application Id

AMQ7B50 (IBM i)
Subscription User Data

AMQ7B51 (IBM i)
Selector String

AMQ7B52 (IBM i)
PubSub Property

AMQ7B53 (IBM i)
Destination Class

AMQ7B54 (IBM i)
Subscription Scope

AMQ7B55 (IBM i)
Variable User

AMQ7B57 (IBM i)
Request Publications

AMQ7B58 (IBM i)
Publish Priority

AMQ7B59 (IBM i)
Wildcard Schema

AMQ7B5A (IBM i)
Expiry Time

AMQ7B5B (IBM i)
Create MQ Subscription

AMQ7B5C (IBM i)

Subscription name

AMQ7B5D (IBM i)

Topic object

AMQ7B5E (IBM i)

Destination

AMQ7B5F (IBM i)

Work with MQ Subscriptions

AMQ7B60 (IBM i)

No subscriptions to display

AMQ7B61 (IBM i)

Display MQ Subscription

AMQ7B62 (IBM i)

Delete MQ Subscription

AMQ7B63 (IBM i)

Publish Accounting Token

AMQ7B67 (IBM i)

Subscription identifier

AMQ7B68 (IBM i)

From subscription identifier

AMQ7B69 (IBM i)

Pubsub Engine Control

AMQ7B6A (IBM i)

No message properties to display.

Severity

0 : Information

Explanation

The message contains no message properties.

Response

None.

AMQ7B6B (IBM i)

Trace directory

AMQ7B6C (IBM i)

Trace start control

AMQ7B6D (IBM i)

User

AMQ7B6E (IBM i)

Trace end control

AMQ7B6F (IBM i)

Clear MQ Topic String

AMQ7B71 (IBM i)

Topic Tree Life Time

AMQ7B72 (IBM i)

Job information

AMQ7B73 (IBM i)

Thread identifier

AMQ7B74 (IBM i)

Clear type

AMQ7B75 (IBM i)

Clear scope

AMQ7B76 (IBM i)

Invalid combination of security exit parameters.

Severity

40 : Stop Error

Explanation

An invalid combination of security exit parameters has been provided on the command. The SCYEXIT parameter cannot be specified for a channel of type *CLTCN. The CSCYEXIT parameter can only be specified for a channel of type *CLTCN. You cannot specify both SCYEXIT and CSCYEXIT parameters together on the same command.

Response

Remove the invalid combination of security exit parameters from the command and then try the command again.

AMQ7B77 (IBM i)

Invalid combination of send exit parameters.

Severity

40 : Stop Error

Explanation

An invalid combination of send exit parameters has been provided on the command. The SNDEXIT parameter cannot be specified for a channel of type *CLTCN. The CSNDEXIT parameter can only be specified for a channel of type *CLTCN. You cannot specify both SNDEXIT and CSNDEXIT parameters together on the same command.

Response

Remove the invalid combination of send exit parameters from the command and then try the command again.

AMQ7B78 (IBM i)

Invalid combination of receive exit parameters.

Severity

40 : Stop Error

Explanation

An invalid combination of receive exit parameters has been provided on the command. The RCVEXIT parameter cannot be specified for a channel of type *CLTCN. The CRCVEXIT parameter can only be specified for a channel of type *CLTCN. You cannot specify both RCVEXIT and CRCVEXIT parameters together on the same command.

Response

Remove the invalid combination of receive exit parameters from the command and then try the command again.

AMQ7B79 (IBM i)

Command is not applicable to WebSphere MQ Publish/Subscribe broker.

Severity

0 : Information

Explanation

This command performs a null operation.

Response

Refer to Publish/Subscribe User's Guide publication for alternative ways to perform this function.

AMQ8000-8999: Administration**AMQ8001**

IBM WebSphere MQ queue manager created.

Severity

0 : Information

Explanation

IBM WebSphere MQ queue manager <insert_5> created.

Response

None.

AMQ8002

IBM WebSphere MQ queue manager <insert_5> deleted.

Severity

0 : Information

Explanation

IBM WebSphere MQ queue manager <insert_5> deleted.

Response

None.

AMQ8003

IBM WebSphere MQ queue manager <insert_5> started.

Severity

0 : Information

Explanation

IBM WebSphere MQ queue manager <insert_5> started.

Response

None.

AMQ8004

IBM WebSphere MQ queue manager <insert_5> ended.

Severity

0 : Information

Explanation

IBM WebSphere MQ queue manager <insert_5> ended.

Response

None.

AMQ8005

IBM WebSphere MQ queue manager changed.

Severity

0 : Information

Explanation

IBM WebSphere MQ queue manager <insert_3> changed.

Response

None.

AMQ8006

IBM WebSphere MQ queue created.

Severity

0 : Information

Explanation

IBM WebSphere MQ queue <insert_3> created.

Response

None.

AMQ8007

IBM WebSphere MQ queue deleted.

Severity

0 : Information

Explanation

IBM WebSphere MQ queue <insert_3> deleted.

Response

None.

AMQ8008

IBM WebSphere MQ queue changed.

Severity

0 : Information

Explanation

IBM WebSphere MQ queue <insert_3> changed.

Response

None.

AMQ8010

IBM WebSphere MQ process created.

Severity

0 : Information

Explanation

IBM WebSphere MQ process <insert_3> created.

Response

None.

AMQ8011

IBM WebSphere MQ process deleted.

Severity

0 : Information

Explanation

IBM WebSphere MQ process <insert_3> deleted.

Response

None.

AMQ8012

IBM WebSphere MQ process changed.

Severity

0 : Information

Explanation

IBM WebSphere MQ process <insert_3> changed.

Response

None.

AMQ8014

IBM WebSphere MQ channel created.

Severity

0 : Information

Explanation

IBM WebSphere MQ channel <insert_3> created.

Response

None.

AMQ8015

IBM WebSphere MQ channel deleted.

Severity

0 : Information

Explanation

IBM WebSphere MQ channel <insert_3> deleted.

Response

None.

AMQ8016

IBM WebSphere MQ channel changed.

Severity

0 : Information

Explanation

IBM WebSphere MQ channel <insert_3> changed.

Response

None.

AMQ8018

Start IBM WebSphere MQ channel accepted.

Severity

0 : Information

Explanation

The channel <insert_3> is being started. The start channel function has been initiated. This involves a series of operations across the network before the channel is actually started. The channel status displays "BINDING" for a short period while communication protocols are negotiated with the channel with which communication is being initiated.

Response

None.

AMQ8019

Stop IBM WebSphere MQ channel accepted.

Severity

0 : Information

Explanation

The channel <insert_3> has been requested to stop.

Response

None.

AMQ8020

Ping IBM WebSphere MQ channel complete.

Severity

0 : Information

Explanation

Ping channel <insert_3> complete.

Response

None.

AMQ8021

Request to start IBM WebSphere MQ Listener accepted.

Severity

0 : Information

Explanation

The Request to start the Listener has been accepted and is being processed.

Response

Should the request to start the listener be unsuccessful then information related to the error will be available in the queue manager error log. Once started the status of the listener may be monitored

using the MQSC command 'DISPLAY LSSTATUS'. On IBM i the status of the listener may also be monitored using the 'WRKMQMLSR OPTION(*STATUS)' command.

AMQ8022

IBM WebSphere MQ queue cleared.

Severity

0 : Information

Explanation

All messages on queue <insert_3> have been deleted.

Response

None.

AMQ8023

IBM WebSphere MQ channel reset.

Severity

0 : Information

Explanation

Channel <insert_3> has been reset, the new sequence number of the channel is <insert_1>.

Response

None.

AMQ8024

IBM WebSphere MQ channel initiator started.

Severity

0 : Information

Explanation

The channel initiator for queue <insert_3> has been started.

Response

None.

AMQ8025

IBM WebSphere MQ channel resolved.

Severity

0 : Information

Explanation

In doubt messages for IBM WebSphere MQ channel <insert_3> have been resolved.

Response

None.

AMQ8026

End IBM WebSphere MQ queue manager accepted.

Severity

0 : Information

Explanation

A controlled stop request has been initiated for queue manager <insert_5>.

Response

None.

AMQ8027

IBM WebSphere MQ command server started.

Severity

0 : Information

Explanation

The command server has been started.

Response

None.

AMQ8028

IBM WebSphere MQ command server ended.

Severity

0 : Information

Explanation

The command server has been stopped.

Response

None.

AMQ8029

IBM WebSphere MQ authority granted.

Severity

0 : Information

Explanation

Authority for object <insert_5> granted.

Response

None.

AMQ8030

IBM WebSphere MQ authority revoked.

Severity

0 : Information

Explanation

Authority for object <insert_3> revoked.

Response

None.

AMQ8031 (IBM i)

Message Queue Manager connected.

Severity

0 : Information

Explanation

The message queue manager has been connected.

Response

None.

AMQ8032 (IBM i)

Message Queue Manager disconnected.

Severity

0 : Information

Explanation

The message queue manager has been disconnected.

Response

None.

AMQ8033

IBM WebSphere MQ object recreated.

Severity

0 : Information

Explanation

MQ object <insert_5> has been re-created from image.

Response

None.

AMQ8034

IBM WebSphere MQ object image recorded.

Severity

0 : Information

Explanation

Image of MQ object <insert_3> has been recorded.

Response

None.

AMQ8035

IBM WebSphere MQ Command Server Status . . : Running

Severity

0 : Information

Explanation

None.

Response

None.

AMQ8036

IBM WebSphere MQ command server status . . : Stopping

Severity

0 : Information

Explanation

None.

Response

None.

AMQ8037

IBM WebSphere MQ command server status . . : Starting

Severity

0 : Information

Explanation

None.

Response

None.

AMQ8038

IBM WebSphere MQ command server status . . : Running with queue disabled

Severity

0 : Information

Explanation

None.

Response

None.

AMQ8039

IBM WebSphere MQ command server status . . : Stopped

Severity

0 : Information

Explanation

None.

Response

None.

AMQ8040

IBM WebSphere MQ command server ending.

Severity

0 : Information

Explanation

None.

Response

None.

AMQ8041

The queue manager cannot be restarted or deleted because processes, that were previously connected, are still running.

Severity

40 : Stop Error

Explanation

Processes, that were connected to the queue manager the last time it was running, are still active. The queue manager cannot be restarted.

Response

Stop the processes and try to start the queue manager.

AMQ8041 (IBM i)

The queue manager cannot be restarted or deleted.

Severity

40 : Stop Error

Explanation

Jobs that were connected to the queue manager the last time it was running, are still active. The queue manager cannot be restarted or deleted.

Response

Use option 22 from WRKMQM to identify which jobs are connected to the queue manager. End the connected jobs and then retry the command.

AMQ8042

Process *<insert_1>* is still running.

Severity

0 : Information

AMQ8043

Non runtime application attempted to connect to runtime only queue manager.

Severity

0 : Information

Explanation

A non runtime application attempted to connect to a queue manager on a node where support for non runtime applications has not been installed. The connect attempt will be rejected with a reason of MQRC_ENVIRONMENT_ERROR.

Response

If the node is intended to support only runtime applications, investigate why a non runtime application has attempted to connect to the queue manager. If the node is intended to support non runtime only applications, investigate if the base option has been installed. The base option must be installed if non runtime applications are to run on this node.

AMQ8044 (Windows)

An error occurred while removing the queue manager from the Active Directory.

Severity

0 : Information

Explanation

The attempt to remove the queue manager from the Windows Active Directory failed. This may be because the appropriate entry could not be opened or modified, or the Service Control Point has already been removed.

Response

Check that your account has the authority to delete objects from the Active Directory, and that the entry has not already been deleted.

AMQ8045

WebSphere MQ channel in use.

Severity

20 : Error

Explanation

A process is either trying to delete a running telemetry channel, or to define a new telemetry channel using a port that is already in use. If the process is trying to define a new telemetry channel, the channel is defined but not started.

Response

Stop the process that is using the port, then either delete the previously-running channel, or start the newly-defined channel.

AMQ8046

Migrating objects for <insert_3>.

Severity

0 : Information

Response

None.

AMQ8047

Channel migration statistics : <insert_1> migrated. <insert_2> failed.

Severity

0 : Information

Explanation

Information on the number of channel objects migrated from previous versions of IBM WebSphere MQ channel definitions as well as any failures that occurred.

Response

None.

AMQ8048

Default objects statistics : <insert_1> created. <insert_2> replaced. <insert_3> failed.

Severity

0 : Information

Explanation

Information on the number of objects created or replaced successfully as well as any failures that occurred while creating the default objects.

Response

None.

AMQ8049

Object <insert_4>. Unable to create or replace.

Severity

20 : Error

Explanation

While creating or replacing the default object <insert_4> for IBM WebSphere MQ queue manager <insert_5> an error occurred. The error was due to improper authorization. The reason code is <insert_1>.

Response

Check this log for more details of what the problem may be. Make sure there are sufficient resources such as disk space and storage. For damaged or corrupted objects, replace these from backup objects. If all else fails, delete the queue manager <insert_5> using dltmqm and create it again using crtmqm.

AMQ8050

Creating or replacing default objects for <insert_3>.

Severity

0 : Information

Response

None.

AMQ8051

For details of the failures that occurred, please check AMQERR01.LOG.

Severity

0 : Information

Response

None.

AMQ8051 (Tandem)

For details of the failures that occurred, please check MQERRLG1.

Severity

0 : Information

Response

None.

AMQ8052

Completing setup.

Severity

0 : Information

Response

None.

AMQ8053

Object <insert_4>. Unable to create or replace.

Severity

20 : Error

Explanation

While creating or replacing the default object <insert_4> for IBM WebSphere MQ queue manager <insert_5> an error occurred. The error was due to a broken connection. The reason code is <insert_1>.

Response

Check this log for more details of what the problem may be. Make sure there is sufficient resources such as disk space and storage. For damaged or corrupted objects, replace these from backup objects. If all else fails, delete the queue manager <insert_5> using dltmqm and create it again using crtmqm.

AMQ8054

Object <insert_4>. Unable to create or replace.

Severity

20 : Error

Explanation

While creating or replacing the default object <insert_4> for IBM WebSphere MQ queue manager <insert_5> an error occurred. The error was due to unavailable storage. The reason code is <insert_1>.

Response

Check this log for more details of what the problem may be. Make sure there is sufficient resources such as disk space and storage. For damaged or corrupted objects, replace these from backup objects. If all else fails, delete the queue manager <insert_5> using dltmqm and create it again using crtmqm.

AMQ8055

Object <insert_4>. Unable to create or replace.

Severity

20 : Error

Explanation

While creating or replacing the default object <insert_4> for IBM WebSphere MQ queue manager <insert_5> an error occurred. The error was due to a damaged object. The reason code is <insert_1>.

Response

Check this log for more details of what the problem may be. Make sure there is sufficient resources such as disk space and storage. For damaged or corrupted objects, replace these from backup objects. If all else fails, delete the queue manager <insert_5> using dltmqm and create it again using crtmqm.

AMQ8056

Object <insert_4>. Unable to create or replace.

Severity

20 : Error

Explanation

While creating or replacing the default object <insert_4> for IBM WebSphere MQ queue manager <insert_5> an error occurred. The error was due to a channel definition error. The error code is <insert_1> (X<insert_2>).

Response

Check this log for more details of what the problem may be. Make sure there is sufficient resources such as disk space and storage. For damaged or corrupted objects, replace these from backup objects. If all else fails, delete the queue manager <insert_5> using dltmqm and create it again using crtmqm.

AMQ8057

Object <insert_4>. Unable to create or replace.

Severity

20 : Error

Explanation

While creating or replacing the default object <insert_4> for IBM WebSphere MQ queue manager <insert_5> an error occurred. The error was due to invalid records in the channel definition file. The error code is <insert_1> (X<insert_2>).

Response

Check this log for more details of what the problem may be. Make sure there is sufficient resources such as disk space and storage. For damaged or corrupted objects, replace these from backup objects. If all else fails, delete the queue manager <insert_5> using dltmqm and create it again using crtmqm.

AMQ8058

Object <insert_4>. Unable to create or replace.

Severity

20 : Error

Explanation

While creating or replacing the default object *<insert_4>* for IBM WebSphere MQ queue manager *<insert_5>* an error occurred. The error was due to not finding the channel definition file. The error code is *<insert_1>* (X*<insert_2>*).

Response

Check this log for more details of what the problem may be. Make sure there is sufficient resources such as disk space and storage. For damaged or corrupted objects, replace these from backup objects. If all else fails, delete the queue manager *<insert_5>* using `dltmqm` and create it again using `crtmqm`.

AMQ8059

Object *<insert_4>*. Unable to create or replace.

Severity

20 : Error

Explanation

While creating or replacing the default object *<insert_4>* for IBM WebSphere MQ queue manager *<insert_5>* an error occurred. The error was due to an unexpected error, error code *<insert_1>* (X*<insert_2>*).

Response

Check this log for more details of what the problem may be. Make sure there is sufficient resources such as disk space and storage. For damaged or corrupted objects, replace these from backup objects. If all else fails, delete the queue manager *<insert_5>* using `dltmqm` and create it again using `crtmqm`.

AMQ8060

IBM WebSphere MQ queue manager *<insert_5>* started as a standby.

Severity

0 : Information

Explanation

Queue manager *<insert_5>* started as a standby instance, ready to become the primary instance if the existing primary instance fails.

Response

None.

AMQ8061 (Windows)

Command *<insert_4>* is not valid.

Severity

10 : Warning

Explanation

The command *<insert_4>* at line *<insert_1>* in the IBM WebSphere MQ service command file *<insert_3>* for queue manager *<insert_5>* is not valid for use in the service command file. The line is ignored.

Response

Check the contents of the file and retry the operation.

AMQ8062 (Windows)

Unexpected return code, *<insert_1>*, from command *<insert_3>*.

Severity

10 : Warning

Explanation

An unexpected return code, *<insert_1>*, was returned by command *<insert_3>*. This command was issued by the IBM WebSphere MQ service for queue manager *<insert_4>*.

Response

Verify that the command and parameters are correct.

AMQ8063 (Windows)

Not authorized to issue command *<insert_3>*.

Severity

20 : Error

Explanation

The current user *<insert_5>* is not authorized to issue the command *<insert_3>*. This can occur if the user is a member of the Administrators group but is not currently elevated. The command is ignored.

Response

Add the user to the local 'mqm' security group and retry the operation.

AMQ8064 (Windows)

Not authorized to start trusted application.

Severity

20 : Error

Explanation

The user *<insert_5>* is not authorized to start the trusted application *<insert_3>*. The application has not started.

Response

Add the user to the local 'mqm' security group and restart the application.

AMQ8065 (Windows)

Local group *<insert_3>* not found.

Severity

20 : Error

Explanation

The local group *<insert_3>* is unavailable. It is not possible to verify that the user is authorized. The function cannot continue.

Response

Create the required local group and retry the operation.

AMQ8066 (Windows)

Local mqm group not found.

Severity

20 : Error

Explanation

The local mqm group is unavailable. It is not possible to verify that the user is authorized. The function cannot continue.

Response

Create the local mqm group and retry the operation.

AMQ8067

IBM WebSphere MQ channel auto-defined.

Severity

0 : Information

Explanation

Channel *<insert_5>* auto-defined.

Response

None.

AMQ8068

Setup completed.

Severity

0 : Information

Response

None.

AMQ8069

ApplicationGroup for the crtmqm command does not contain the mqm userid.

Severity

40 : Stop Error

Explanation

IBM WebSphere MQ queue manager <insert_5> not created. The ApplicationGroup specified for the crtmqm command must contain the mqm userid when the RestrictedMode option (-g) is specified.

Response

None.

AMQ8070

ApplicationGroup for crtmqm command is not defined.

Severity

40 : Stop Error

Explanation

IBM WebSphere MQ queue manager <insert_5> not created. RestrictedMode option (-g) specified, but the ApplicationGroup does not exist.

Response

None.

AMQ8071

RestrictedMode option not supported on this platform.

Severity

40 : Stop Error

Explanation

IBM WebSphere MQ queue manager <insert_5> not created. The RestrictedMode option was specified but is not supported on this platform.

Response

None.

AMQ8072 (Windows)

Not authorized to administer channels.

Severity

10 : Warning

Explanation

The command server for queue manager <insert_3> received an administration command for channels. The user <insert_5> is not authorized to administer IBM WebSphere MQ channels. The command server has not processed the command.

Response

Add the user to the local 'mqm' security group, and ensure that the security policy is set as required.

AMQ8073 (Windows)

Authorization failed because SID: (<insert_3>) could not be resolved.

Severity

10 : Warning

Explanation

The object authority manager was unable to resolve the specified SID into entity and domain information.

Response

Ensure that the application provides a SID that is recognized on this system, that all necessary domain controllers are available, and that the security policy is set as you required.

AMQ8074 (Windows)

Authorization failed as the SID <insert_3> does not match the entity <insert_4>.

Severity

10 : Warning

Explanation

The object authority manager received inconsistent data - the supplied SID does not match that of the supplied entity information.

Response

Ensure that the application is supplying valid entity and SID information.

AMQ8075 (Windows)

Authorization failed because the SID for entity <insert_3> cannot be obtained.

Severity

10 : Warning

Explanation

The object authority manager was unable to obtain a SID for the specified entity.

Response

Ensure that the entity is valid, and that all necessary domain controllers are available.

AMQ8076 (Windows)

Authorization failed because no SID was supplied for entity <insert_3>.

Severity

10 : Warning

Explanation

The object authority manager was not supplied with SID information for the specified entity, and the security policy is set to 'NTSIDsRequired'.

Response

Ensure that the application is supplying a valid SID, and that the security policy is set as you require.

AMQ8077

Entity <insert_3> has insufficient authority to access object <insert_4>.

Severity

10 : Warning

Explanation

The specified entity is not authorized to access the required object. The following requested permissions are unauthorized: <insert_5>

Response

Ensure that the correct level of authority has been set for this entity against the required object, or ensure that the entity is a member of a privileged group.

AMQ8078

Waiting for queue manager <insert_3> to end.

Severity

0 : Information

Response

None.

AMQ8079 (Windows)

Access was denied when attempting to retrieve group membership information for user <insert_3>.

Severity

10 : Warning

Explanation

IBM WebSphere MQ, running with the authority of user <insert_4>, was unable to retrieve group membership information for the specified user.

Response

Ensure Active Directory access permissions allow user *<insert_4>* to read group memberships for user *<insert_3>*. To retrieve group membership information for a domain user, MQ must run with the authority of a domain user and a domain controller must be available.

AMQ8079 (IBM i)

IBM WebSphere MQ trigger monitor job started.

Severity

0 : Information

Explanation

The message queue manager trigger monitor job has been started for queue manager *<insert_3>* to process messages on the selected initiation queue. See previously issued messages for job details.'

Response

None.

AMQ8080 (IBM i)

IBM WebSphere MQ trigger monitor job start failed.

Severity

40 : Stop Error

Explanation

Message queue manager trigger job failed to start for manager *<insert_3>*. Failure reason code is *<insert_2>*. See previously issued messages for more information.'

Response

None.

AMQ8081 (Windows)

Not authorized to administer queue managers.

Severity

10 : Warning

Explanation

The command server for queue manager *<insert_3>* received an administration command for a queue manager. The user *<insert_5>* is not authorized to administer IBM WebSphere MQ queue managers. The command server has not processed the command.

Response

Add the user to the local 'mqm' security group, and ensure that the security policy is set as required.

AMQ8082 (Windows)

Not authorized to administer clusters.

Severity

10 : Warning

Explanation

The command server for queue manager *<insert_3>* received an administration command for clusters. The user *<insert_5>* is not authorized to administer IBM WebSphere MQ clusters. The command server has not processed the command.

Response

Add the user to the local 'mqm' security group, and ensure that the security policy is set as required.

AMQ8083

IBM WebSphere MQ queue manager *<insert_3>* starting.

Severity

0 : Information

Explanation

IBM WebSphere MQ queue manager *<insert_3>* starting.

Response

None.

AMQ8084

IBM WebSphere MQ connection not found.

Severity

0 : Information

Explanation

The connection specified does not exist.

Response

Correct the connection name and then try the command again.

AMQ8085

IBM WebSphere MQ queue manager <insert_3> is being started for replay.

Severity

0 : Information

Explanation

IBM WebSphere MQ queue manager <insert_3> is being started for replay. The strmqm command has been issued with the '-r' option. see the IBM WebSphere MQ System Administration documentation for details.

Response

None.

AMQ8086

IBM WebSphere MQ queue manager <insert_3> is being activated.

Severity

0 : Information

Explanation

IBM WebSphere MQ queue manager <insert_3> is being activated. The strmqm command has been issued with the '-a' option. see the IBM WebSphere MQ System Administration documentation for details.

Response

None.

AMQ8086 (IBM i)

IBM WebSphere MQ queue manager <insert_3> is being activated.

Severity

0 : Information

Explanation

IBM WebSphere MQ queue manager <insert_3> is being activated. The STRMQM command has been issued with the ACTIVATE(*YES) option. see the IBM WebSphere MQ System Administration documentation for further details.

Response

None.

AMQ8087

Attempt to migrate listener <insert_3> to a QM object failed with <insert_1>.

Severity

20 : Error

Explanation

Whilst processing legacy services, listener <insert_3> could not be migrated to an MQ object named <insert_4>, the object creation failed with <insert_1>.

Response

Save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ8088

Attempt to migrate trigger monitor <insert_3> to a QM object failed with <insert_1>.

Severity

20 : Error

Explanation

Whilst processing legacy services, trigger monitor <insert_3> could not be migrated to an MQ object named <insert_4>, the object creation failed with <insert_1>.

Response

Save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ8089

Attempt to migrate channel service <insert_3> to a QM object failed with <insert_1>.

Severity

20 : Error

Explanation

Whilst processing legacy services, channel service <insert_3> could not be migrated to an MQ object named <insert_4>, the object creation failed with <insert_1>.

Response

Save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ8090

Attempt to migrate channel initiator <insert_3> to a QM object failed with <insert_1>.

Severity

20 : Error

Explanation

Whilst processing legacy services, channel initiator <insert_3> could not be migrated to an MQ object named <insert_4>, the object creation failed with <insert_1>.

Response

Save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ8091

Attempt to migrate custom service <insert_3> to a QM object failed with <insert_1>.

Severity

20 : Error

Explanation

Whilst processing legacy services, custom service <insert_3> could not be migrated to an MQ object named <insert_4>, the object creation failed with <insert_1>.

Response

Save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ8092

Service migration statistics : <insert_1> migrated. <insert_2> failed.

Severity

0 : Information

Explanation

Information on the number of service objects migrated from previous versions of IBM WebSphere MQ for Windows services as well as any failures that occurred.

Response

None.

AMQ8093

IBM WebSphere MQ subscription changed.

Severity

0 : Information

Explanation

IBM WebSphere MQ subscription *<insert_3>* changed.

Response

None.

AMQ8094

IBM WebSphere MQ subscription created.

Severity

0 : Information

Explanation

IBM WebSphere MQ subscription *<insert_3>* created.

Response

None.

AMQ8095

IBM WebSphere MQ subscription deleted.

Severity

0 : Information

Explanation

IBM WebSphere MQ subscription *<insert_3>* deleted.

Response

None.

AMQ8096

IBM WebSphere MQ subscription inquired.

Severity

0 : Information

Explanation

IBM WebSphere MQ subscription *<insert_3>* inquired.

Response

None.

AMQ8097

Default object *<insert_3>*. Unable to change attribute *<insert_1>* to value *<insert_2>*.

Severity

20 : Error

Explanation

While migrating a queue manager to a newer release an attempt was made to change the value of an attribute of one of the default objects. The attribute of the above named default object could not be changed. While modifying the integer attribute *<insert_1>* of the default object *<insert_3>* for IBM WebSphere MQ queue manager *<insert_4>* an unexpected error occurred.

Response

The most likely cause of this error is that object *<insert_3>* has been redefined to be an object of a conflicting type for which the attribute *<insert_1>* is not applicable. For example if a default queue which was originally a local queue is changed to be an alias queue then the queue manager could fail

to set the attribute MQIA_MAX_MSG_LENGTH (13) as MAXMSGL is not an attribute supported by alias queues. Review the customer configuration to see if a corresponding change needs to be made to the customer defined replacement for the named default object.

AMQ8098

IBM WebSphere MQ subscription copied.

Severity

0 : Information

Explanation

IBM WebSphere MQ subscription <insert_3> copied.

Response

None.

AMQ8099

IBM WebSphere MQ subscription status inquired.

Severity

0 : Information

Explanation

IBM WebSphere MQ subscription status <insert_3> inquired.

Response

None.

AMQ8101

IBM WebSphere MQ error (<insert_1>) has occurred.

Severity

40 : Stop Error

Explanation

An unexpected reason code with hexadecimal value <insert_1> was received from the IBM WebSphere MQ queue manager during command processing. (Note that hexadecimal values in the range X'07D1'-X'0BB7' correspond to MQI reason codes 2001-2999.) More information might be available in the log. If the reason code value indicates that the error was associated with a particular parameter, the parameter concerned is <insert_4>.

Response

Correct the error and then try the command again.

AMQ8102

IBM WebSphere MQ object name specified in <insert_4> not valid.

Severity

30 : Severe error

Explanation

The object name <insert_3> specified in <insert_4> is not valid. The length of the name must not exceed 48 characters, or 20 characters if it is a channel name. The name should contain the following characters only: lowercase a-z, uppercase A-Z, numeric 0-9, period (.), forward slash (/), underscore (_) and percent sign (%).

Response

Change the length of the parameter value or change the parameter value to contain a valid combination of characters, then try the command again.

AMQ8103

Insufficient storage available.

Severity

40 : Stop Error

Explanation

There was insufficient storage available to perform the requested operation.

Response

Free some storage and then try the command again.

AMQ8104

IBM WebSphere MQ directory <insert_3> not found.

Severity

40 : Stop Error

Explanation

Directory <insert_3> was not found. This directory is created when IBM WebSphere MQ is installed successfully. Refer to the log for more information.

Response

Verify that installation of IBM WebSphere MQ was successful. Correct the error and then try the command again.

AMQ8105

Object error.

Severity

40 : Stop Error

Explanation

An object error occurred. Refer to the log for more information.

Response

Correct the error and then try the command again.

AMQ8106

IBM WebSphere MQ queue manager being created.

Severity

0 : Information

Explanation

The queue manager is being created.

Response

Wait for the creation process to complete and then try the command again.

AMQ8107

IBM WebSphere MQ queue manager running.

Severity

10 : Warning

Explanation

The queue manager is running.

Response

None.

AMQ8108

IBM WebSphere MQ queue manager <insert_3> ending.

Severity

10 : Warning

Explanation

The queue manager <insert_3> is ending.

Response

Wait for the queue manager to end and then try the command again.

AMQ8109

IBM WebSphere MQ queue manager being deleted.

Severity

0 : Information

Explanation

The queue manager is being deleted.

Response

Wait for the deletion process to complete.

AMQ8110

IBM WebSphere MQ queue manager already exists.

Severity

40 : Stop Error

Explanation

The queue manager *<insert_5>* already exists.

Response

None.

AMQ8112 (IBM i)

PRCNAME not allowed with queue type *ALS or *RMT.

Severity

40 : Stop Error

Explanation

The PRCNAME parameter may not be specified for a queue of type *ALS or *RMT.

Response

Remove the PRCNAME parameter from the command or, if the command is CRTMQMQ, specify a different value for QTYPE. Then try the command again.

AMQ8113 (IBM i)

TRGENBL not allowed with queue type *ALS or *RMT.

Severity

40 : Stop Error

Explanation

The TRGENBL parameter may not be specified for a queue of type *ALS or *RMT.

Response

Remove the TRGENBL parameter from the command or, if the command is CRTMQMQ, specify a different value for QTYPE. Then try the command again.

AMQ8114 (IBM i)

GETENBL not allowed with queue type *RMT.

Severity

40 : Stop Error

Explanation

The GETENBL parameter may not be specified for a queue of type *RMT.

Response

Remove the GETENBL parameter from the command or, if the command is CRTMQMQ, specify a different value for QTYPE. Then try the command again.

AMQ8115 (IBM i)

SHARE not allowed with queue type *ALS or *RMT.

Severity

40 : Stop Error

Explanation

The SHARE parameter may not be specified for a queue of type *ALS or *RMT.

Response

Remove the SHARE parameter from the command or, if the command is CRTMQMQ, specify a different value for QTYPE. Then try the command again.

AMQ8116 (IBM i)

MSGDLYSEQ not allowed with queue type *ALS or *RMT.

Severity

40 : Stop Error

Explanation

The MSGDLYSEQ parameter may not be specified for a queue of type *ALS or *RMT.

Response

Remove the MSGDLYSEQ parameter from the command or, if the command is CRTMQMQ, specify a different value for QTYPE. Then try the command again.

AMQ8117

IBM WebSphere MQ queue manager deletion incomplete.

Severity

40 : Stop Error

Explanation

Deletion of queue manager <insert_5> was only partially successful. An object was not found, or could not be deleted. Refer to the log for more information.

Response

Delete any remaining queue manager objects.

AMQ8118

IBM WebSphere MQ queue manager does not exist.

Severity

40 : Stop Error

Explanation

The queue manager <insert_5> does not exist.

Response

Either create the queue manager (crtmqm command) or correct the queue manager name used in the command and then try the command again.

AMQ8119

Unsupported threading model detected.

Severity

20 : Error

Explanation

The command executed could not run because the current threading model does not contain the required level of functionality.

Response

On Linux this may be caused by using a threading model such as LinuxThreads which does not provide process-shared mutex support. On some systems, the setting of the environment variable LD_ASSUME_KERNEL causes LinuxThreads to be used instead of native kernel threads.

AMQ8119 (IBM i)

TRGTYPE not allowed with queue type *ALS or *RMT.

Severity

40 : Stop Error

Explanation

The TRGTYPE parameter may not be specified for a queue of type *ALS or *RMT.

Response

Remove the TRGTYPE parameter from the command or, if the command is CRTMQMQ, specify a different value for QTYPE. Then try the command again.

AMQ8120 (IBM i)

TRGDEPTH not allowed with queue type *ALS or *RMT.

Severity

40 : Stop Error

Explanation

The TRGDEPTH parameter may not be specified for a queue of type *ALS or *RMT.

Response

Remove the TRGDEPTH parameter from the command or, if the command is CRTMQMQ, specify a different value for QTYPE. Then try the command again.

AMQ8121 (IBM i)

TRGMSGPTY not allowed with queue type *ALS or *RMT.

Severity

40 : Stop Error

Explanation

The TRGMSGPTY parameter may not be specified for a queue of type *ALS or *RMT.

Response

Remove the TRGMSGPTY parameter from the command or, if the command is CRTMQMQ, specify a different value for QTYPE. Then try the command again.

AMQ8122 (IBM i)

TRGDATA not allowed with queue type *ALS or *RMT.

Severity

40 : Stop Error

Explanation

The TRGDATA parameter may not be specified for a queue of type *ALS or *RMT.

Response

Remove the TRGDATA parameter from the command or, if the command is CRTMQMQ, specify a different value for QTYPE. Then try the command again.

AMQ8123 (IBM i)

RTNITV not allowed with queue type *ALS or *RMT.

Severity

40 : Stop Error

Explanation

The RTNITV parameter may not be specified for a queue of type *ALS or *RMT.

Response

Remove the RTNITV parameter from the command or, if the command is CRTMQMQ, specify a different value for QTYPE. Then try the command again.

AMQ8124 (IBM i)

MAXMSGLEN not allowed with queue type *ALS or *RMT.

Severity

40 : Stop Error

Explanation

The MAXMSGLEN parameter may not be specified for a queue of type *ALS or *RMT.

Response

Remove the MAXMSGLEN parameter from the command or, if the command is CRTMQMQ, specify a different value for QTYPE. Then try the command again.

AMQ8125 (IBM i)

BKTTHLD not allowed with queue type *ALS or *RMT.

Severity

40 : Stop Error

Explanation

The BKTTHLD parameter may not be specified for a queue of type *ALS or *RMT.

Response

Remove the BKTTHLD parameter from the command or, if the command is CRTMQMQ, specify a different value for QTYPE. Then try the command again.

AMQ8126 (IBM i)

BKTQNAME not allowed with queue type *ALS or *RMT.

Severity

40 : Stop Error

Explanation

The BKTQNAME parameter may not be specified for a queue of type *ALS or *RMT.

Response

Remove the BKTQNAME parameter from the command or, if the command is CRTMQMQ, specify a different value for QTYPE. Then try the command again.

AMQ8127 (IBM i)

INITQNAME not allowed with queue type *ALS or *RMT.

Severity

40 : Stop Error

Explanation

The INITQNAME parameter may not be specified for a queue of type *ALS or *RMT.

Response

Remove the INITQNAME parameter from the command or, if the command is CRTMQMQ, specify a different value for QTYPE. Then try the command again.

AMQ8128 (IBM i)

USAGE not allowed with queue type *ALS or *RMT.

Severity

40 : Stop Error

Explanation

The USAGE parameter may not be specified for a queue of type *ALS or *RMT.

Response

Remove the USAGE parameter from the command or, if the command is CRTMQMQ, specify a different value for QTYPE. Then try the command again.

AMQ8129 (IBM i)

DFNTYPE only allowed with queue type *MDL.

Severity

40 : Stop Error

Explanation

The DFNTYPE parameter may only be specified for a queue of type *MDL.

Response

Remove the DFNTYPE parameter from the command or, if the command is CRTMQMQ, specify a different value for QTYPE. Then try the command again.

AMQ8130 (IBM i)

TGTQNAME only allowed with queue type *ALS.

Severity

40 : Stop Error

Explanation

The TGTQNAME parameter may only be specified for a queue of type *ALS.

Response

Remove the TGTQNAME parameter from the command or, if the command is CRTMQMQ, specify a different value for QTYPE. Then try the command again.

AMQ8131 (IBM i)

RMTQNAME only allowed with queue type *RMT.

Severity

40 : Stop Error

Explanation

The RMTQNAME parameter may only be specified for a queue of type *RMT.

Response

Remove the RMTQNAME parameter from the command or, if the command is CRTMQMQ, specify a different value for QTYPE. Then try the command again.

AMQ8132 (IBM i)

RMTMQMNAME only allowed with queue type *RMT.

Severity

40 : Stop Error

Explanation

The RMTMQMNAME parameter may only be specified for a queue of type *RMT.

Response

Remove the RMTMQMNAME parameter from the command or, if the command is CRTMQMQ, specify a different value for QTYPE. Then try the command again.

AMQ8133 (IBM i)

TMQNAME only allowed with queue type *RMT.

Severity

40 : Stop Error

Explanation

The TMQNAME parameter may only be specified for a queue of type *RMT.

Response

Remove the TMQNAME parameter from the command or, if the command is CRTMQMQ, specify a different value for QTYPE. Then try the command again.

AMQ8134 (IBM i)

HDBKTCNT not allowed with queue type *ALS or *RMT.

Severity

40 : Stop Error

Explanation

The HDBKTCNT parameter may not be specified for a queue of type *ALS or *RMT.

Response

Remove the HDBKTCNT parameter from the command or, if the command is CRTMQMQ, specify a different value for QTYPE. Then try the command again.

AMQ8135

Not authorized.

Severity

40 : Stop Error

Explanation

You are not authorized to perform the requested operation for the IBM WebSphere MQ object. Either you are not authorized to perform the requested operation, or you are not authorized to the specified MQ object. For a copy command, you may not be authorized to the specified source MQ object, or, for a create command, you may not be authorized to the system default MQ object of the specified type. If creating or altering a subscription it may also indicate that the subscribing user does not exist or have the required authority to the destination queue.

Response

Obtain the necessary authority from your security officer or IBM WebSphere MQ administrator. Then try the command again. If you are running amqmdain on the Windows platform, the user MUSR_MQADMIN may not be authorized.

AMQ8136 (IBM i)

Error detected by prompt control program.

Severity

30 : Severe error

Explanation

A prompt control program detected errors.

Response

See the previously listed messages in the job log. Correct the errors and then prompt for the command again.

AMQ8137

IBM WebSphere MQ queue manager already starting.

Severity

40 : Stop Error

Explanation

The strmqm command was unsuccessful because the queue manager <insert_5> is already starting.

Response

Wait for the strmqm command to complete.

AMQ8138

The IBM WebSphere MQ queue has an incorrect type.

Severity

40 : Stop Error

Explanation

The operation is not valid with queue <insert_5> because it is not a local queue.

Response

Change the QNAME parameter to specify a queue of the correct type.

AMQ8139

Already connected.

Severity

20 : Error

Explanation

A connection to the IBM WebSphere MQ queue manager already exists.

Response

None.

AMQ8140

Resource timeout error.

Severity

40 : Stop Error

Explanation

A timeout occurred in the communication between internal WebSphere MQ queue manager components. This is most likely to occur when the system is heavily loaded.

Response

Wait until the system is less heavily loaded, then try the command again.

AMQ8141

IBM WebSphere MQ queue manager starting.

Severity

40 : Stop Error

Explanation

The queue manager <insert_5> is starting.

Response

Wait for the queue manager startup process to complete and then try the command again.

AMQ8142

IBM WebSphere MQ queue manager stopped.

Severity

40 : Stop Error

Explanation

The queue manager *<insert_5>* is stopped.

Response

Use the *strmqm* command to start the queue manager, and then try the command again.

AMQ8143

IBM WebSphere MQ queue not empty.

Severity

40 : Stop Error

Explanation

The queue *<insert_5>* specified in *<insert_2>* is not empty or contains uncommitted updates.

Response

Commit or roll back any uncommitted updates. If the command is *DELETE QLOCAL*, use the *CLEAR QLOCAL* command to clear the messages from the queue. Then try the command again.

AMQ8144

Log not available.

Severity

40 : Stop Error

Explanation

The IBM WebSphere MQ logging resource is not available.

Response

Use the *dltmqm* command to delete the queue manager and then the *crtmqm* command to create the queue manager. Then try the command again.

AMQ8145

Connection broken.

Severity

40 : Stop Error

Explanation

The connection to the IBM WebSphere MQ queue manager failed during command processing. This may be caused by an *endmqm* command being issued by another user, or by a queue manager error.

Response

Use the *strmqm* command to start the message queue manager, wait until the message queue manager has started, and try the command again.

AMQ8146

IBM WebSphere MQ queue manager not available.

Severity

40 : Stop Error

Explanation

The queue manager is not available because it has been stopped or has not been created.

Response

Use the *crtmqm* command to create the message queue manager, or the *strmqm* command to start the message queue manager as necessary. Then try the command again.

AMQ8146 (IBM i)

IBM WebSphere MQ queue manager not available.

Severity

40 : Stop Error

Explanation

The queue manager is not available because it has been stopped or has not been created.

Response

Use the CRTMQM command to create the message queue manager or the STRMQM command to start the message queue manager as necessary, then retry the command. If a queue manager was not specified, ensure that a default queue manager has been created and is started using the WRKMQM command.

AMQ8147

IBM WebSphere MQ object <insert_3> not found.

Severity

40 : Stop Error

Explanation

If the command entered was Change or Display, the object <insert_3> specified does not exist. If the command entered was Copy, the source object does not exist. If the command entered was Create, the system default MQ object of the specified type does not exist.

Response

Correct the object name and then try the command again or, if you are creating a new queue or process object, either specify all parameters explicitly or ensure that the system default object of the required type exists. The system default queue names are SYSTEM.DEFAULT.LOCAL.QUEUE, SYSTEM.DEFAULT.ALIAS.QUEUE and SYSTEM.DEFAULT.REMOTE.QUEUE. The system default process name is SYSTEM.DEFAULT.PROCESS.

AMQ8147 (IBM i)

IBM WebSphere MQ object <insert_3> not found.

Severity

40 : Stop Error

Explanation

If the command entered was Change, Delete or Display, the MQ object <insert_3> specified does not exist. If the command entered was Copy, the source MQ object does not exist. If the command entered was Create, the system default MQ object of the specified type does not exist.

Response

Correct the MQ object name and then try the command again or, if you are creating a new MQ object, either specify all parameters explicitly or ensure that the system default object of the required type exists.

AMQ8148

IBM WebSphere MQ object in use.

Severity

40 : Stop Error

Explanation

The object <insert_3> is in use by an MQ application program.

Response

Wait until the object is no longer in use and then try the command again. If the command is ALTER or CHANGE, specify FORCE to force the processing of the object regardless of any application program affected by the change. If the object is the dead-letter queue and the open input count is nonzero, it may be in use by an MQ channel. If the object is another queue object with a nonzero open output count, it may be in use by a MQ channel (of type RCVR or RQSTR). In either case, use the STOP CHANNEL and START CHANNEL commands to stop and restart the channel in order to solve the problem. To alter the queue USAGE the FORCE option must be used if the queue is not empty.

AMQ8149

IBM WebSphere MQ object damaged.

Severity

40 : Stop Error

Explanation

The object <insert_3> specified in <insert_4> is damaged.

Response

The object contents are not valid. Issue the DISPLAY CHANNEL, DISPLAY QUEUE, or DISPLAY PROCESS command, as required, to determine the name of the damaged object. Issue the DEFINE command, for the appropriate object type, to replace the damaged object, then try the command again.

AMQ8150

IBM WebSphere MQ object already exists.

Severity

40 : Stop Error

Explanation

The object *<insert_3>* specified on the *<insert_5>* command could not be created because it already exists.

Response

Check that the name is correct and try the command again specifying REPLACE, or delete the object. Then try the command again.

AMQ8151

IBM WebSphere MQ object has different type.

Severity

40 : Stop Error

Explanation

The type specified for object *<insert_3>* is different from the type of the object being altered or defined.

Response

Use the correct MQ command for the object type, and then try the command again.

AMQ8152

Source IBM WebSphere MQ object has different type.

Severity

40 : Stop Error

Explanation

The type of the source object is different from that specified.

Response

Correct the name of the command, or source object name, and then try the command again, or try the command using the REPLACE option.

AMQ8153

Insufficient disk space for the specified queue.

Severity

40 : Stop Error

Explanation

The command failed because there was insufficient disk space available for the specified queue.

Response

Release some disk space and then try the command again.

AMQ8154

API exit load error.

Severity

40 : Stop Error

Explanation

The IBM WebSphere MQ queue manager was unable to load the API crossing exit.

Response

Ensure that the API crossing exit program is valid, and that its name and directory are correctly specified. Correct any error and then try the command again.

AMQ8155

Connection limit exceeded.

Severity

40 : Stop Error

Explanation

The queue manager connection limit has been exceeded.

Response

The maximum limit on the number of IBM WebSphere MQ application programs that may be connected to the queue manager has been exceeded. Try the command later.

AMQ8156

IBM WebSphere MQ queue manager quiescing.

Severity

40 : Stop Error

Explanation

The queue manager is quiescing.

Response

The queue manager was stopping with -c specified for endmqm. Wait until the queue manager has been restarted and then try the command again.

AMQ8157

Security error.

Severity

40 : Stop Error

Explanation

An error was reported by the security manager program.

Response

Inform your systems administrator, wait until the problem has been corrected, and then try the command again.

AMQ8158 (IBM i)

API exit not found.

Severity

40 : Stop Error

Explanation

The API crossing exit program was not found.

Response

Ensure that the API crossing exit program for the MQI exists, and that its name and library are correctly specified. Correct any errors and then try the command again.

AMQ8159 (IBM i)

MAXDEPTH not allowed with queue type *ALS or *RMT.

Severity

40 : Stop Error

Explanation

The MAXDEPTH parameter may not be specified for a queue of type *ALS or *RMT.

Response

Remove the MAXDEPTH parameter from the command or, if the command is CRTMQMQ, specify a different value for QTYPE. Then try the command again.

AMQ8160 (IBM i)

DFTSHARE not allowed with queue type *ALS or *RMT.

Severity

40 : Stop Error

Explanation

The DFTSHARE parameter may not be specified for a queue of type *ALS or *RMT.

Response

Remove the DFTSHARE parameter from the command or, if the command is CRTMQMQ, specify a different value for QTYPE. Then try the command again.

AMQ8161 (IBM i)

AUT(*MQMPASSID) only allowed with OBJTYPE(*ADM).

Severity

40 : Stop Error

Explanation

AUT(*MQMPASSID) may only be specified with OBJTYPE(*ADM).

Response

Change the AUT parameter to specify another value and then try the command again.

AMQ8162 (IBM i)

AUT(*MQMPASSALL) only allowed with OBJTYPE(*ADM).

Severity

40 : Stop Error

Explanation

AUT(*MQMPASSALL) may only be specified with OBJTYPE(*ADM).

Response

Change the AUT parameter to specify another value and then try the command again.

AMQ8163 (IBM i)

AUT(*MQMSETID) only allowed with OBJTYPE(*ADM).

Severity

40 : Stop Error

Explanation

AUT(*MQMSETID) may only be specified with OBJTYPE(*ADM).

Response

Change the AUT parameter to specify another value and then try the command again.

AMQ8164 (IBM i)

AUT(*MQMSETALL) only allowed with OBJTYPE(*ADM).

Severity

40 : Stop Error

Explanation

AUT(*MQMSETALL) may only be specified with OBJTYPE(*ADM).

Response

Change the AUT parameter to specify another value and then try the command again.

AMQ8165 (IBM i)

AUT(*MQMALTUSR) only allowed with OBJTYPE(*ADM).

Severity

40 : Stop Error

Explanation

AUT(*MQMALTUSR) may only be specified with OBJTYPE(*ADM).

Response

Change the AUT parameter to specify another value and then try the command again.

AMQ8166 (IBM i)

IBM WebSphere MQ reference object not found.

Severity

40 : Stop Error

Explanation

The object specified by the REFOBJ and REFOBJTYPE parameters does not exist.

Response

Correct the reference object name and type, and then try the command again.

AMQ8167 (IBM i)

Referenced object name not valid.

Severity

30 : Severe error

Explanation

The referenced object name specified in REFOBJ is not valid. The length of the name must not exceed 48 characters and the name should contain the following characters only: lowercase a-z, uppercase A-Z, numeric 0-9, period (.), forward slash (/), underscore (_) and percent sign (%).

Response

Change the length of the parameter value or change the parameter value to contain a valid combination of characters. Then try the command again.

AMQ8168 (IBM i)

User profile name for parameter USER not found.

Severity

30 : Severe error

Explanation

The user profile name specified for parameter USER could not be found on the system, and is not the special value *PUBLIC.

Response

Correct the user profile name, or use the Create User Profile (CRTUSRPRF) command to create the user profile then try the request again.

AMQ8169 (IBM i)

Authorization list for parameter AUTL does not exist.

Severity

30 : Severe error

Explanation

The authorization list specified for parameter AUTL does not exist. It may have been destroyed.

Response

Either specify an authorization list that exists, or create the authorization list using the Create Authorization List (CRTAUTL) command. Try the request again.

AMQ8170 (IBM i)

REFOBJTYPE(*OBJTYPE) and OBJTYPE(*ALL) cannot be used together.

Severity

30 : Severe error

Explanation

REFOBJTYPE(*OBJTYPE) can be specified only with a specific object type.

Response

Change the REFOBJTYPE or OBJTYPE input value to a specific object type. Then try the Grant Authority (GRTMQMAUT) command again.

AMQ8171 (IBM i)

Authority of *AUTL is only allowed with USER(*PUBLIC).

Severity

30 : Severe error

Explanation

AUT(*AUTL) was specified on either the Grant Authority (GRTMQMAUT) command or the Revoke Authority (RVKMQMAUT) command with the USER parameter not set to *PUBLIC. Only the authority for *PUBLIC can be deferred to the authorization list.

Response

Change the AUT parameter to the authorities that are correct for the users or change the USER parameter to *PUBLIC. Then try the command again.

AMQ8172

Already disconnected.

Severity

10 : Warning

Explanation

The MQI reason code of 2018 was returned from the IBM WebSphere MQ queue manager in response to an MQDISC request issued during command processing.

Response

None.

AMQ8173

No processes to display.

Severity

0 : Information

Explanation

There are no matching processes defined on this system.

Response

Using the DEFINE PROCESS command to create a process.

AMQ8174

No queues to display.

Severity

0 : Information

Explanation

There are no matching queues defined on this system.

Response

Use the appropriate command to define a queue of the type that you require, that is, DEFINE QALIAS, DEFINE QLOCAL, DEFINE QMODEL, or DEFINE QREMOTE.

AMQ8175 (IBM i)

IBM WebSphere MQ trace has started.

Severity

0 : Information

Explanation

The trace has started successfully.

Response

None.

AMQ8176 (IBM i)

IBM WebSphere MQ trace has been written.

Severity

0 : Information

Explanation

The trace has been written successfully.

Response

None.

AMQ8177 (IBM i)

IBM WebSphere MQ trace has stopped.

Severity

0 : Information

Explanation

The trace has stopped.

Response

None.

AMQ8178 (IBM i)

IBM WebSphere MQ trace did not start.

Severity

40 : Stop Error

Explanation

The trace did not start successfully.

Response

None.

AMQ8179 (IBM i)

IBM WebSphere MQ trace output error.

Severity

40 : Stop Error

Explanation

The trace was not output successfully.

Response

None.

AMQ8180 (IBM i)

IBM WebSphere MQ trace end request failed.

Severity

40 : Stop Error

Explanation

Your request to end the trace was not successful.

Response

None.

AMQ8181 (IBM i)

No jobs to display.

Severity

10 : Warning

Explanation

There are no matching jobs running on this system.

Response

Specify another job name from the STRMQMSRV command.

AMQ8182 (IBM i)

IBM WebSphere MQ trace already off.

Severity

10 : Warning

Explanation

An attempt was made to set trace off, but the trace is not active.

Response

None.

AMQ8183 (IBM i)

IBM WebSphere MQ trace already running.

Severity

10 : Warning

Explanation

An attempt was made to start trace, but trace is already running.

Response

Either leave trace running as it is, or, if you want to change the trace settings, turn trace off and then turn it on again with appropriate settings.

AMQ8184 (IBM i)

Requested job cannot be found

Severity

10 : Warning

Explanation

The job specified cannot be found in the table that controls IBM WebSphere MQ for IBM i trace. As a result no trace action can be performed.

Response

Specify an appropriate job name.

AMQ8185

Operating system object already exists.

Severity

40 : Stop Error

Explanation

The IBM WebSphere MQ object cannot be created because an object that is not known to MQ already exists in the MQ directory with the name that should be used for the new object. Refer to the log for previous messages.

Response

Remove the non-MQ object from the MQ library, and try the command again.

AMQ8186

Image not available for IBM WebSphere MQ object <insert_5>.

Severity

40 : Stop Error

Explanation

The object <insert_5> type <insert_3> cannot be re-created because the image is not fully available in the logs that are currently online. Refer to earlier messages in the error log for information about the logs that need to be brought online for this object to be re-created.

Response

Bring the relevant logs online, and try the command again.

AMQ8187

IBM WebSphere MQ object <insert_5> is currently open.

Severity

40 : Stop Error

Explanation

The object <insert_5>, type <insert_3>, is currently in use, so the <insert_1> command cannot be issued against it. If a generic list was presented to the command, the command is still issued against the other objects in the list.

Response

Wait until the object is no longer in use, and try the command again.

AMQ8188

Insufficient authorization to IBM WebSphere MQ object <insert_5>.

Severity

40 : Stop Error

Explanation

You are not authorized to issue the *<insert_1>* command against the object *<insert_5>* type *<insert_3>*. If a generic list was presented to the command, the command is still issued against the other objects in the list.

Response

Obtain sufficient authorization for the object, and retry the command.

AMQ8189 (IBM i)

IBM WebSphere MQ object *<insert_3>* is damaged.

Severity

40 : Stop Error

Explanation

The object *<insert_3>* type *<insert_4>* is damaged and the *<insert_5>* command cannot be issued against it. If a generic list was presented to the command then the command is still issued against the other objects in the list.

Response

Issue the appropriate DEFINE command for the object, specifying REPLACE, and then try the command again.

AMQ8190

<insert_3> succeeded on *<insert_1>* objects and failed on *<insert_2>* objects.

Severity

40 : Stop Error

Explanation

An operation performed on a generic list of objects was not completely successful.

Response

Examine the log for details of the errors encountered, and take appropriate action.

AMQ8191

IBM WebSphere MQ command server is starting.

Severity

40 : Stop Error

Explanation

The command server is starting.

Response

Wait for the strmqcsv command to complete and then try the operation again.

AMQ8191 (IBM i)

IBM WebSphere MQ command server is starting.

Severity

40 : Stop Error

Explanation

The command server is starting.

Response

Wait for the STRMQCSVR command to complete and then try the operation again.

AMQ8192

IBM WebSphere MQ command server already starting.

Severity

40 : Stop Error

Explanation

The request to start the command server was unsuccessful because the command server is already starting.

Response

Wait for the strmqcsv command to complete.

AMQ8192 (IBM i)

IBM WebSphere MQ command server already starting.

Severity

40 : Stop Error

Explanation

The request to start the command server was unsuccessful because the command server is already starting.

Response

Wait for the STRMQMCSVR command to complete.

AMQ8193

IBM WebSphere MQ command server is ending.

Severity

40 : Stop Error

Explanation

The command server is ending.

Response

Wait for the endmqcsv command to complete and then try the command again.

AMQ8193 (IBM i)

IBM WebSphere MQ command server is ending.

Severity

40 : Stop Error

Explanation

The command server is ending.

Response

Wait for the ENDMQMCSVR command to complete and then try the command again.

AMQ8194

IBM WebSphere MQ command server already ending.

Severity

40 : Stop Error

Explanation

The end command server request was unsuccessful because the command server is already ending.

Response

Wait for the endmqcsv command to complete.

AMQ8194 (IBM i)

IBM WebSphere MQ command server already ending.

Severity

40 : Stop Error

Explanation

The end command server request was unsuccessful because the command server is already ending.

Response

Wait for the ENDMQMCSVR command to complete.

AMQ8195

IBM WebSphere MQ command server already running.

Severity

40 : Stop Error

Explanation

The strmqcsv command was unsuccessful because the command server is already running.

Response

None.

AMQ8195 (IBM i)

IBM WebSphere MQ command server already running.

Severity

40 : Stop Error

Explanation

The STRMQMCSVR command was unsuccessful because the command server is already running.

Response

None.

AMQ8196

IBM WebSphere MQ command server already stopped.

Severity

40 : Stop Error

Explanation

The request to end the command server was unsuccessful because the command server is already stopped.

Response

None.

AMQ8197

Deleted IBM WebSphere MQ queue damaged.

Severity

20 : Error

Explanation

The deleted MQ queue *<insert_3>* was damaged, and any messages it contained have been lost.

Response

None.

AMQ8198 (IBM i)

Program *<insert_3>* called with incorrect number of parameters.

Severity

20 : Error

Explanation

The number of parameters passed in the call to program *<insert_3>* is not correct.

Response

Correct the calling program and then retry the operation.

AMQ8199 (IBM i)

Error in call identifier parameter passed to program QMQM.

Severity

20 : Error

Explanation

The call identifier, the first parameter passed to program QMQM, is not in the required packed decimal format, or its value is not supported. Permitted values of the call identifier are contained in the RPG copy file CMQR.

Response

Correct the calling program, and retry the call.

AMQ8200 (IBM i)

MODENAME only allowed with TRPTYPE(*LU62).

Severity

40 : Stop Error

Explanation

The MODENAME parameter may only be specified with TRPTYPE(*LU62).

Response

Remove the MODENAME parameter from the command or change the TRPTYPE parameter value to specify *LU62 and then try the command again.

AMQ8201 (IBM i)

TPGMNAME only allowed with TRPTYPE(*LU62).

Severity

40 : Stop Error

Explanation

The TPGMNAME parameter may only be specified with TRPTYPE(*LU62).

Response

Remove the TPGMNAME parameter from the command or change the TRPTYPE parameter value to specify *LU62. Then try the command again.

AMQ8202

TMQNAME only allowed with channel type *SDR or *SVR.

Severity

40 : Stop Error

Explanation

The TMQNAME parameter may only be specified with channel type *SDR or *SVR.

Response

Remove the TMQNAME parameter from the command or, if the command is CRTMQMCHL, change the CHLTYPE parameter value to specify *SDR or *SVR. Then try the command again.

AMQ8203 (IBM i)

CONNAME only allowed with channel type *SDR, *SVR, *RQSTR, *CLUSSDR, *CLTCN and *CLUSRCVR

Severity

40 : Stop Error

Explanation

The CONNAME parameter may only be specified with channel type *SDR, *SVR, *RQSTR, *CLUSSDR, *CLTCN or *CLUSRCVR.

Response

Remove the CONNAME parameter from the command or, if the command is CRTMQMCHL, change the CHLTYPE parameter value to specify *SDR, *SVR, *RQSTR, *CLUSSDR, *CLTCN or *CLUSRCVR. Then try the command again.

AMQ8204

MCANAME only allowed with channel type *SDR, *SVR, *RQSTR, *CLUSSDR or *CLUSRCVR

Severity

40 : Stop Error

Explanation

The MCANAME parameter may only be specified with channel type *SDR, *SVR, *RQSTR, *CLUSSDR or *CLUSRCVR.

Response

Remove the MCANAME parameter from the command, or if the command is CRTMQMCHL, change the CHLTYPE parameter value to specify *SDR, *SVR, *RQSTR, *CLUSSDR or *CLUSRCVR. Then try the command again.

AMQ8205

DSCITV only allowed with channel type *CLUSSDR, *CLUSRCVR, *SDR or *SVR.

Severity

40 : Stop Error

Explanation

The DSCITV parameter may only be specified with channel type *CLUSSDR, *CLUSRCVR, *SDR or *SVR.

Response

Remove the DSCITV parameter from the command or, if the command is CRTMQMCHL, change the CHLTYPE parameter value to specify *CLUSSDR, *CLUSRCVR, *SDR or *SVR. Then try the command again.

AMQ8206

SHORTRTY only allowed with channel type *CLUSSDR, CLUSRCVR, *SDR or *SVR.

Severity

40 : Stop Error

Explanation

The SHORTRTY parameter may only be specified with channel type *CLUSSDR, *CLUSRCVR, *SDR or *SVR.

Response

Remove the SHORTRTY parameter from the command or, if the command is CRTMQMCHL, change the CHLTYPE parameter value to specify *CLUSSDR, *CLUSRCVR, *SDR or *SVR. Then try the command again.

AMQ8207

SHORTTMR only allowed with channel type *CLUSSDR, CLUSRCVR, *SDR or *SVR.

Severity

40 : Stop Error

Explanation

The SHORTTMR parameter may only be specified with channel type *CLUSSDR, *CLUSRCVR, *SDR or *SVR.

Response

Remove the SHORTTMR parameter from the command or, if the command is CRTMQMCHL, change the CHLTYPE parameter value to specify *CLUSSDR, CLUSRCVR, *SDR or *SVR. Then try the command again.

AMQ8208

LONGRTY only allowed with channel type *CLUSSDR, *CLUSRCVR, *SDR or *SVR.

Severity

40 : Stop Error

Explanation

The LONGRTY parameter may only be specified with channel type *CLUSSDR, *CLUSRCVR, *SDR or *SVR.

Response

Remove the LONGRTY parameter from the command or, if the command is CRTMQMCHL, change the CHLTYPE parameter value to specify *CLUSSDR, CLUSRCVR, *SDR or *SVR. Then try the command again.

AMQ8209

LONGTMR only allowed with channel type *CLUSSDR, *CLUSRCVR, *SDR or *SVR.

Severity

40 : Stop Error

Explanation

The LONGTMR parameter may only be specified with channel type *CLUSSDR, *CLUSRCVR, *SDR or *SVR.

Response

Remove the LONGTMR parameter from the command or, if the command is CRTMQMCHL, change the CHLTYPE parameter value to specify *CLUSSDR, *CLUSRCVR, *SDR or *SVR. Then try the command again.

AMQ8210

PUTAUT only allowed with channel type *RCVR, *RQSTR or *CLUSRCVR

Severity

40 : Stop Error

Explanation

The PUTAUT parameter may only be specified with channel type *RCVR, *RQSTR or *CLUSRCVR.

Response

Remove the PUTAUT parameter from the command or, if the command is CRTMQMCHL, change the CHLTYPE parameter value to specify *RCVR, *RQSTR or *CLUSRCVR. Then try the command again.

AMQ8211

BATCHINT only allowed with channel type *SDR or *SVR.

Severity

40 : Stop Error

Explanation

The BATCHINT parameter may only be specified with channel type *SDR or *SVR.

Response

Remove the BATCHINT parameter from the command or, if the command is CRTMQMCHL, change the CHLTYPE parameter value to specify *SDR or *SVR. Then try the command again.

AMQ8212 (IBM i)

TPGMNAME parameter required with TRPTYPE(*LU62).

Severity

40 : Stop Error

Explanation

A required parameter was not specified.

Response

Enter a value for parameter TPGMNAME.

AMQ8213 (IBM i)

TMQNAME parameter required with channel type *SDR or *SVR.

Severity

40 : Stop Error

Explanation

The TMQNAME parameter must be specified with channel type *SDR or *SVR.

Response

Enter a value for parameter TMQNAME.

AMQ8214

CONNNAME parameter missing.

Severity

40 : Stop Error

Explanation

The CONNAME parameter must be specified with channel types SDR, RQSTR, CLNTCONN, and CLUSSDR. It is also required with channel type CLUSRCVR if the TRPTYPE is not TCP.

Response

Enter a value for parameter CONNAME.

AMQ8214 (IBM i)

CONNNAME parameter missing.

Severity

40 : Stop Error

Explanation

The CONNAME parameter must be specified with channel types *SDR, *RQSTR, *CLTCN and *CLUSSDR. It is also required with channel type *CLUSRCVR if the TRPTYPE is not *TCP.

Response

Enter a value for parameter CONNAME.

AMQ8215 (IBM i)

CVTMSG only allowed with channel type *SDR, *SVR, *CLUSSDR or *CLUSRCVR.

Severity

40 : Stop Error

Explanation

The CVTMSG parameter may only be specified with channel type *SDR, *SVR, *CLUSSDR or *CLUSRCVR.

Response

Remove the CVTMSG parameter from the command or, if the command is CRTMQMCHL, change the CHLTYPE parameter value to specify *SDR, *SVR, *CLUSSDR or CLUSRCVR. Then try the command again.

AMQ8216 (IBM i)

MODENAME only allowed with TRPTYPE(*LU62).

Severity

40 : Stop Error

Explanation

The MODENAME parameter may only be specified with TRPTYPE(*LU62).

Response

Remove the MODENAME parameter from the command or change the TRPTYPE parameter value to specify *LU62. Then try the command again.

AMQ8217 (IBM i)

CONNAME only allowed with channel type *SDR, *SVR, *RQSTR, *CLUSSDR or CLUSRCVR.

Severity

40 : Stop Error

Explanation

The CONNAME parameter may only be specified with channel type *SDR, *SVR, *RQSTR, CLUSSDR or CLUSRCVR.

Response

Remove the CONNAME parameter from the command or, if the command is CRTMQMCHL, change the CHLTYPE parameter value to specify *SDR, *SVR, *RQSTR, CLUSSDR or CLUSRCVR. Then try the command again.

AMQ8218

The system cannot accept the combination of parameters entered.

Severity

30 : Severe error

AMQ8219

Command server queue is open, retry later.

Severity

30 : Severe error

Response

Wait and try again later.

AMQ8220 (IBM i)

The PNGMQMCHL command has completed.

Severity

0 : Information

Explanation

The PNGMQMCHL command sent *<insert_1>* bytes of data to *<insert_3>* and received the data back in *<insert_4>*.*<insert_5>* seconds. The number of bytes will be less than the amount requested on the

command, when the length requested is greater than the allowed maximum, in one communications transmission, for the operating system and communications protocol.

Response

None.

AMQ8221 (IBM i)

Ping data length truncated, specified length *<insert_1>*, actual length *<insert_2>*.

Severity

10 : Warning

Explanation

The length of the ping data sent was reduced because of constraints in the current configuration.

Response

None.

AMQ8222 (IBM i)

The data sent and received by the PNGMQMCHL command was not identical.

Severity

40 : Stop Error

Explanation

Ping data compare failed at offset *<insert_1>*, data sent *<insert_3>*, data received *<insert_4>*.

Response

This is probably due to a communications failure. Other messages may have been issued.

AMQ8223 (IBM i)

No channels to display.

Severity

0 : Information

Explanation

There are no channels defined on this system.

Response

Create a channel using the CRTMQMCHL command.

AMQ8224 (IBM i)

From channel *<insert_3>* not found.

Severity

30 : Severe error

Explanation

The source IBM WebSphere MQ channel does not exist.

Response

Correct the MQ channel name and then try the command again.

AMQ8225 (IBM i)

From channel and to channel names are equal.

Severity

30 : Severe error

Explanation

The same name has been specified for the from channel name and the to channel name.

Response

Choose two different names, of which the from channel must exist.

AMQ8226

IBM WebSphere MQ channel already exists.

Severity

40 : Stop Error

Explanation

The channel <insert_3> cannot be created because it already exists.

Response

Check that the name is correct and try the command again specifying REPLACE, or delete the channel and then try the command again.

AMQ8227

Channel <insert_3> not found.

Severity

30 : Severe error

Explanation

The channel could not be found.

Response

Correct the Channel Name if wrong and then try the command again. For DEFINE CHANNEL check that the Channel Name in error exists.

AMQ8229 (IBM i)

No message queue managers to display.

Severity

0 : Information

Explanation

There are no message queue managers to administer.

Response

Add a queue manager using PF6 or the ADMQMNAM command.

AMQ8230 (IBM i)

No queue manager objects to display.

Severity

0 : Information

Explanation

Either the queue manager has no objects to display (this is unlikely), or the selection criteria resulted in zero objects to display.

Response

Change or remove the selection criteria.

AMQ8231 (IBM i)

No responses to display.

Severity

0 : Information

Explanation

There are no commands or command responses to display.

Response

None.

AMQ8232 (IBM i)

No messages to display.

Severity

0 : Information

Explanation

The queue is empty, or the queue does not exist.

Response

None.

AMQ8233 (IBM i)

No message data to display.

Severity

0 : Information

Explanation

The message contains no data.

Response

None.

AMQ8234 (IBM i)

No response data to display.

Severity

0 : Information

Explanation

There is no response data to display for this command. This is probably because the command has not yet completed.

Response

None.

AMQ8235 (IBM i)

No command parameters to display.

Severity

0 : Information

Explanation

Some commands have no required parameters.

Response

None.

AMQ8236 (IBM i)

Channel <insert_3> not found.

Severity

30 : Severe error

Explanation

CHGMQMCHL was issued for a non-existent channel.

Response

Correct the IBM WebSphere MQ channel name and then try the command again.

AMQ8237 (IBM i)

NPMSPEED only allowed with channel type *SDR, *SVR, *RCVR *RQSTR, CLUSSDR or CLUSRCVR.

Severity

40 : Stop Error

Explanation

The NPMSPEED parameter may only be specified with channel type *SDR, *SVR, *RCVR *RQSTR, CLUSSDR or CLUSRCVR.

Response

Remove the NPMSPEED parameter from the command or, if the command is CRTMQMCHL, change the CHLTYPE parameter value to specify *SDR, *SVR, *RCVR *RQSTR, CLUSSDR or CLUSRCVR. Then try the command again.

AMQ8238 (IBM i)

Queue manager connection already open.

Severity

30 : Severe error

Explanation

An MQCONN call was issued, but the thread or process is already connected to a different queue manager. The thread or process can connect to only one queue manager at a time.

Response

Use the MQDISC call to disconnect from the queue manager which is already connected, and then issue the MQCONN call to connect to the new queue manager. Disconnecting from the existing queue manager will close any queues which are currently open, it is recommended that any uncommitted units of work should be committed or backed out before the MQDISC call is used.

AMQ8239 (IBM i)

LOCLADDR not valid for channel type *RCVR or *SVRCN.

Severity

40 : Stop Error

Explanation

The LOCLADDR parameter may only be specified with channel type *SDR, *SVR, *RQSTR, *CLUSSDR, *CLUSRCVR or *CLTCN.

Response

Remove the CONNAME parameter from the command or, if the command is CRTMQMCHL, change the CHLTYPE parameter value to specify *SDR, *SVR, *RQSTR, *CLUSSDR, *CLUSRCVR or *CLTCN. Then try the command again.

AMQ8240 (IBM i)

Unexpected error <insert_1> in <insert_3>.

Severity

40 : Stop Error

Explanation

The unexpected return code <insert_1> was returned during <insert_3> processing.

Response

This message is associated with an internal error. Use WRKPRB to record the problem identifier, and to save the QPSRVDMP, QPJOBLOG, and QPDSPJOB files. Use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ8241 (IBM i)

Unexpected message format <insert_3> received.

Severity

40 : Stop Error

Explanation

The unexpected message format <insert_3> was received in message on the internal reply queue.

Response

This message is probably a message sent erroneously to this queue. The message in error is written to the SYSTEM.ADMIN.EXCEPTION.QUEUE, where it may be viewed using the WRKMQMMSG command.

AMQ8242

SSLCIPH definition wrong.

Severity

40 : Stop Error

Explanation

The definition of the SSLCIPH parameter was wrong.

Response

Correct the SSLCIPH definition and try the command again.

AMQ8243

SSLPEER definition wrong.

Severity

40 : Stop Error

Explanation

The definition of the SSLPEER parameter was wrong. Possible causes may be that the syntax was invalid or that it contained an invalid attribute type.

Response

Correct the SSLPEER definition and try the command again.

AMQ8266 (IBM i)

No objects to display.

Severity

0 : Information

Explanation

There are no objects with the specified name and type.

Response

None.

AMQ8276

Display Connection details.

Severity

0 : Information

Explanation

The DISPLAY CONN command completed successfully. Details follow this message.

AMQ8278 (IBM i)

Maximum handle limit reached.

Severity

40 : Stop Error

Explanation

An attempt was made to exceed the maximum handle limit specified for the message queue manager.

Response

Increase the maximum handle limit specified for the message queue manager using the CHGMQM command. Then try the command again.

AMQ8280 (IBM i)

Queue does not exist.

Severity

30 : Severe error

Explanation

The queue being displayed does not exist on this queue manager.

Response

Check the name of the queue and retry the operation. If you are attempting to display a queue of type *ALS, check the queue definition references an existing queue definition.

AMQ8282 (IBM i)

Queue manager <insert_3> is not defined on the connected queue manager.

Severity

30 : Severe error

Explanation

Either the necessary queue manager name has been entered incorrectly on the add queue manager panel, or the queue manager has not been defined on the connected queue manager.

Response

Correct the name, or define <insert_3> on the connected queue manager by creating a local queue with name <insert_3> and usage *TMQ (transmission queue), and then creating sender and receiver channels on both the connected queue manager and queue manager <insert_3>.

AMQ8284 (IBM i)

This user is not authorized to queue <insert_3>.

Severity

40 : Stop Error

Explanation

Queue *<insert_3>* (queue manager *<insert_4>*) has not been authorized for your use.

Response

Have queue *<insert_3>* authorized for your use. If queue manager *<insert_4>* is not the local queue manager, you might not be authorized to the transmission queue for this queue manager.

AMQ8287

No channels with status to display.

Severity

0 : Information

Explanation

There are no channels having status information to display. This indicates either, that the channel has not been started previously, or, that the channel has been started but has not yet completed a transmission sequence.

Response

None.

AMQ8288 (IBM i)

Not authorized to command *<insert_1>*

Severity

40 : Stop Error

Explanation

You are not authorized to perform the requested operation for IBM WebSphere MQ command *<insert_1>*.

Response

Obtain the necessary authority from your IBM WebSphere MQ administrator. Then try the command again.

AMQ8289 (IBM i)

You are not authorized to the IBM WebSphere MQ command.

Severity

40 : Stop Error

Explanation

You are not authorized to the IBM WebSphere MQ command because your user profile is not a member of the QMQMADM group.

Response

Ask your MQ administrator to give your user profile *ALLOBJ authority, or add your user profile to the QMQMADM group (either as a primary or supplemental group)

AMQ8291 (IBM i)

IBM WebSphere MQ remote trace already running.

Severity

10 : Warning

Explanation

An attempt was made to start remote trace, but it is already running.

Response

Either leave remote trace running as it is, or, if you want to change the settings, turn remote trace off and then turn it on again with appropriate settings.

AMQ8294 (IBM i)

IBM WebSphere MQ remote trace already off.

Severity

10 : Warning

Explanation

An attempt was made to end remote trace, but it is already off.

Response

Leave remote trace off.

AMQ8295 (IBM i)

IBM WebSphere MQ object not secured by authorization list.

Severity

40 : Stop Error

Explanation

The specified object is not secured by the authorization list to be revoked from it.

Response

Use the display authority (DSPMQMAUT) command to determine what authorization list is securing the object, if any. Issue the RVKMQMAUT command again with the authorization list that is securing the the object to revoke the authorization list's authority.

AMQ8296

<insert_1> MQSC commands completed successfully.

Severity

0 : Information

Explanation

The <insert_3> command has completed successfully. The <insert_1> MQ commands from <insert_5> have been processed without error and a report written to the printer spool file.

Response

None.

AMQ8297

<insert_1> MQSC commands verified successfully.

Severity

0 : Information

Explanation

The <insert_3> command completed successfully. The <insert_1> MQ commands from <insert_5> have been verified and a report written to the printer spool file.

Response

None.

AMQ8298

Error report generated for MQSC command process.

Severity

40 : Stop Error

Explanation

The <insert_5> command attempted to process a sequence of MQ commands and encountered some errors, however, the operation may have partially completed.

Response

If the <insert_5> command was executed a report has been written to a printer spool file. Examine the spooled printer file for details of the errors encountered and correct the MQSC source in <insert_3> and retry the operation.

AMQ8299

Cannot open <insert_3> for MQSC process.

Severity

40 : Stop Error

Explanation

The <insert_5> command failed to open <insert_3> for MQ command processing.

Response

Check that the intended file exists, and has been specified correctly. Correct the specification or create the object, and try the operation again.

AMQ8300 (IBM i)

Too many exit programs/user data fields defined.

Severity

30 : Severe error

Explanation

An attempt was made to create or change a channel which had more than the allowed maximum of a total of six exit programs, user data fields, or both defined.

Response

Define the channel again so that a maximum of six exit programs, user data fields, or both are defined.

AMQ8301 (IBM i)

IBM WebSphere MQ storage monitor job could not be started.

Severity

50 : System Error

Explanation

An attempt to start the storage monitor process (job QMQM in subsystem QSYSWRK) was unsuccessful.

Response

Check the job log for the reason for the failure, and try the command again.

AMQ8302

Internal failure initializing IBM WebSphere MQ services.

Severity

50 : System Error

Explanation

An error occurred while attempting to initialize IBM WebSphere MQ services.

Response

A call to xcsInitialize ended with the FAIL, STOP, or STOP_ALL return code. Refer to the log for messages diagnosing this problem.

AMQ8303

Insufficient storage available to process request.

Severity

50 : System Error

AMQ8304

Tracing cannot be started. Too many traces are already running.

Severity

40 : Stop Error

Explanation

A maximum of 15 traces may be running concurrently. This number is already running.

Response

Stop one or more of the other traces and try the command again.

AMQ8305

Tracing cannot be started. Too many traces are already running.

Severity

40 : Stop Error

Explanation

A maximum of 9 traces can be running concurrently, and this number of traces is already running.

Response

Stop one or more of the other traces and try the command again.

AMQ8306 (IBM i)

BATCHSIZE only allowed with channel type *SDR, *SVR, *RCVR, *RQSTR, CLUSSDR or CLUSRCVR.

Severity

40 : Stop Error

Explanation

The BATCHSIZE parameter may only be specified with channel type *SDR, *SVR, *RCVR, *RQSTR, CLUSSDR or CLUSRCVR.

Response

Remove the BATCHSIZE parameter from the command or, if the command is CRTMQMCHL, change the CHLTYPE parameter value to specify *SDR, *SVR, *RCVR *RQSTR, CLUSSDR or CLUSRCVR. Then try the command again.

AMQ8307 (IBM i)

SEQNUMWRAP only allowed with channel type *SDR, *SVR, *RCVR, *RQSTR, CLUSSDR or CLUSRCVR.

Severity

40 : Stop Error

Explanation

The SEQNUMWRAP parameter may only be specified with channel type *SDR, *SVR, *RCVR, *RQSTR, CLUSSDR or CLUSRCVR.

Response

Remove the SEQNUMWRAP parameter from the command or, if the command is CRTMQMCHL, change the CHLTYPE parameter value to specify *SDR, *SVR, *RCVR *RQSTR, CLUSSDR or CLUSRCVR. Then try the command again.

AMQ8308 (IBM i)

MSGRTYEXIT only allowed with channel type *CLUSRCVR, *RCVR or *RQSTR.

Severity

40 : Stop Error

Explanation

The MSGRTYEXIT parameter may only be specified with channel type *CLUSRCVR, *RCVR or *RQSTR.

Response

Remove the MSGRTYEXIT parameter from the command or, if the command is CRTMQMCHL, change the CHLTYPE parameter value to specify *CLUSRCVR, *RCVR or *RQSTR. Then try the command again.

AMQ8309 (IBM i)

MSGRTYDATA only allowed with channel type *CLUSRCVR, *RCVR or *RQSTR.

Severity

40 : Stop Error

Explanation

The MSGRTYDATA parameter may only be specified with channel type *CLUSRCVR, *RCVR or *RQSTR.

Response

Remove the MSGRTYDATA parameter from the command or, if the command is CRTMQMCHL, change the CHLTYPE parameter value to specify *CLUSRCVR, *RCVR or *RQSTR. Then try the command again.

AMQ8310 (IBM i)

MSGRTYNBR only allowed with channel type *CLUSRCVR, *RCVR or *RQSTR.

Severity

40 : Stop Error

Explanation

The MSGRTYNBR parameter may only be specified with channel type *CLUSRCVR, *RCVR or *RQSTR.

Response

Remove the MSGRTYNBR parameter from the command or, if the command is CRTMQMCHL, change the CHLTYPE parameter value to specify *CLUSRCVR, *RCVR or *RQSTR. Then try the command again.

AMQ8311 (IBM i)

MSGRTYITV only allowed with channel type *CLUSRCVR, *RCVR or *RQSTR.

Severity

40 : Stop Error

Explanation

The MSGRTYITV parameter may only be specified with channel type *CLUSRCVR, *RCVR or *RQSTR.

Response

Remove the MSGRTYITV parameter from the command or, if the command is CRTMQMCHL, change the CHLTYPE parameter value to specify *CLUSRCVR, *RCVR or *RQSTR. Then try the command again.

AMQ8312 (IBM i)

CLUSTER only allowed with queue type *ALS, *LCL and *RMT.

Severity

40 : Stop Error

Explanation

The CLUSTER parameter may only be specified with queue type *ALS, *LCL and *RMT.

Response

Remove the CLUSTER parameter from the command or, if the command is CRTMQMQ, change the QTYPE parameter value to specify *ALS, *LCL or *RMT. Then try the command again.

AMQ8313 (IBM i)

CLUSNL only allowed with queue type *ALS, *LCL and *RMT.

Severity

40 : Stop Error

Explanation

The CLUSNL parameter may only be specified with queue type *ALS, *LCL and *RMT.

Response

Remove the CLUSNL parameter from the command or, if the command is CRTMQMQ, change the QTYPE parameter value to specify *ALS, *LCL or *RMT. Then try the command again.

AMQ8314 (IBM i)

DEFBIND only allowed with queue type *ALS, *LCL and *RMT.

Severity

40 : Stop Error

Explanation

The DEFBIND parameter may only be specified with queue type *ALS, *LCL and *RMT.

Response

Remove the DEFBIND parameter from the command or, if the command is CRTMQMQ, change the QTYPE parameter value to specify *ALS, *LCL or *RMT. Then try the command again.

AMQ8315

No namelists to display.

Severity

0 : Information

Explanation

There are no matching namelists defined on this system.

Response

Use the Create Namelist (CRTMQMNL) command to create a namelist.

AMQ8316

No cluster queue managers to display.

Severity

0 : Information

Explanation

There are no matching cluster queue managers defined on this system.

Response

None.

AMQ8317 (IBM i)

CLUSTER only allowed with channel type *CLUSDR and *CLUSRCVR.

Severity

40 : Stop Error

Explanation

The CLUSTER parameter may only be specified with channel type *CLUSDR and *CLUSRCVR.

Response

Remove the CLUSTER parameter from the command or, if the command is CRTMQMCHL, change the CHLTYPE parameter value to specify *CLUSDR or *CLUSRCVR. Then try the command again.

AMQ8318 (IBM i)

CLUSNL only allowed with channel type *CLUSDR and *CLUSRCVR.

Severity

40 : Stop Error

Explanation

The CLUSNL parameter may only be specified with channel type *CLUSDR and *CLUSRCVR.

Response

Remove the CLUSNL parameter from the command or, if the command is CRTMQMCHL, change the CHLQTYPE parameter value to specify *CLUSDR or *CLUSRCVR. Then try the command again.

AMQ8319

MSGEXIT only allowed with channel type *SDR, *SVR, *RCVR *RQSTR, *CLUSDR or *CLUSRCVR.

Severity

40 : Stop Error

Explanation

The MSGEXIT parameter may only be specified with channel type *SDR, *SVR, *RCVR, *RQSTR, *CLUSDR, or *CLUSRCVR.

Response

Remove the MSGEXIT parameter from the command or, if the command is CRTMQMCHL, change the CHLTYPE parameter value to specify *SDR or *SVR or *RCVR or *RQSTR or *CLUSDR or *CLUSRCVR. Then try the command again.

AMQ8320 (IBM i)

MSGUSRDATA only allowed with channel type *SDR, *SVR, *RCVR *RQSTR, or *CLUSDR or *CLUSRCVR.

Severity

40 : Stop Error

Explanation

The MSGUSRDATA parameter may only be specified with channel type *SDR, *SVR, *RCVR *RQSTR, *CLUSDR or *CLUSRCVR.

Response

Remove the MSGUSRDATA parameter from the command or, if the command is CRTMQMCHL, change the CHLTYPE parameter value to specify *SDR or *SVR or *RCVR or *RQSTR or *CLUSDR or *CLUSRCVR. Then try the command again.

AMQ8321 (IBM i)

Process <insert_3> is still running.

Severity

0 : Information

AMQ8322 (IBM i)

TIMEOUT only allowed with ENDCCTJOB(*YES).

Severity

40 : Stop Error

Explanation

The TIMEOUT parameter may only be specified when connected jobs are being ended with the ENDCCTJOB option set to *YES.

Response

Remove the TIMEOUT parameter from the command or, if you want to fully quiesce the queue manager, change the ENDCCTJOB parameter to *YES. Then try the command again.

AMQ8323 (IBM i)

OPTION(*PREEMPT) must not be used with ENDCCTJOB(*YES).

Severity

40 : Stop Error

Explanation

When performing a pre-emptive shutdown of the queue manager the ENDCCTJOB(*YES) parameter is not allowed.

Response

Change the ENDCCTJOB(*YES) parameter to ENDCCTJOB(*NO) or, if you want to fully quiesce the queue manager without doing a pre-emptive shutdown, change the OPTION(*PREEMPT) parameter to another value. Then try the command again.

AMQ8324 (IBM i)

OPTION(*WAIT) not allowed with MQMNAME(*ALL).

Severity

40 : Stop Error

Explanation

The OPTION(*WAIT) parameter is not allowed when performing a shutdown of all queue managers.

Response

Remove the OPTION(*WAIT) parameter from the command or, specify individual queue manager names to shut down the queue managers one-by-one with the OPTION(*WAIT) parameter. Then try the command again.

AMQ8325 (IBM i)

MQMNAME(*ALL) is not allowed with ENDCCTJOB(*NO).

Severity

40 : Stop Error

Explanation

The MQMNAME(*ALL) parameter is only allowed when performing a full shutdown of the queue managers.

Response

Specify individual queue manager names to shut the queue managers down one-by-one or change the ENDCCTJOB parameter to *YES. Then try the command again.

AMQ8330

Running

Severity

0 : Information

AMQ8331

Ended normally

Severity

0 : Information

AMQ8332

Ended immediately

Severity

0 : Information

AMQ8333

Ended preemptively

Severity

0 : Information

AMQ8334

Ended unexpectedly

Severity

0 : Information

AMQ8335

Starting

Severity

0 : Information

AMQ8336

Quiescing

Severity

0 : Information

AMQ8337

Ending immediately

Severity

0 : Information

AMQ8338

Ending preemptively

Severity

0 : Information

AMQ8339

Being deleted

Severity

0 : Information

AMQ8340

Not available

Severity

0 : Information

AMQ8341

SUBPOOL(<insert_3><insert_4>PID(<insert_1>)

Severity

0 : Information

AMQ8342

No authorities to display.

Severity

0 : Information

Explanation

There are no authority records defined on this system, satisfying the input parameters.

Response

Use the appropriate input to list all the authorities defined on the system, or enter the command again with different input..

AMQ8343

Running as standby

Severity

0 : Information

AMQ8343 (IBM i)

The requested operation is not valid for user QMQMADM.

Severity

0 : Information

Explanation

You are not allowed to completely delete the authorities assigned to user QMQMADM, for a valid IBM WebSphere MQ object, with the authority *REMOVE or *NONE.

Response

Remove QMQMADM from the list of users to this command.

AMQ8344

Running elsewhere

Severity

0 : Information

AMQ8344 (IBM i)

The delete option is only valid for a generic profile name.

Severity

0 : Information

Explanation

The delete option, which will delete this authority profile by removing all the users from this authority profile, is not valid for an object name or the special value &class.

Response

To delete users from an object, work from the WRKMQMAUTD command.

AMQ8345 (IBM i)

BATCHHB not valid for channel type *RCVR, *RQSTR, *SVRCN or *CLTCN.

Severity

40 : Stop Error

Explanation

The BATCHHB parameter may only be specified with channel type *SDR, *SVR, *CLUSDR, or *CLUSRCVR.

Response

Remove the BATCHHB parameter from the command or, if the command is CRTMQMCHL, change the CHLTYPE parameter value to specify *SDR, *SVR, *CLUSDR or *CLUSRCVR. Then try the command again.

AMQ8346 (IBM i)

Parameter mismatch between QMNAME and QMID.

Severity

40 : Stop Error

Explanation

The Queue Manager Name for Removal (QMNAME) parameter is not *QMID and there is a value for the Queue Manager Identifier for Removal (QMID) parameter.

Response

A value for QMID is not allowed unless QMNAME is *QMID. Change the value specified on the QMNAME parameter or the value of the QMID parameter and then try the request again.

AMQ8347 (IBM i)

USERID not valid for channel type *RCVR, *SVRCN or *CLUSRCVR.

Severity

40 : Stop Error

Explanation

The USERID parameter may only be specified with channel type *SDR, *SVR, *RQSTR, *CLUSSDR, or *CLTCN.

Response

Remove the USERID parameter from the command or, if the command is CRTMQMCHL, change the CHLTYPE parameter value to specify *SDR, *SVR, *RQSTR, *CLUSSDR, or *CLTCN. Then try the command again.

AMQ8348 (IBM i)

PASSWORD not valid for channel type *RCVR, *SVRCN or *CLUSRCVR.

Severity

40 : Stop Error

Explanation

The PASSWORD parameter may only be specified with channel type *SDR, *SVR, *RQSTR, *CLUSSDR, or *CLTCN.

Response

Remove the PASSWORD parameter from the command or, if the command is CRTMQMCHL, change the CHLTYPE parameter value to specify *SDR, *SVR, *RQSTR, *CLUSSDR, or *CLTCN. Then try the command again.

AMQ8349 (IBM i)

Authority changes to <insert_3> failed.

Severity

40 : Stop Error

Explanation

Authority changes to an object were requested but could not be made.

Response

Check the authorities that you are granting are relevant to the object type of <insert_3>.

AMQ8350

Usage: dspmqver [-p Components] [-f Fields] [-b] [-v]

Severity

0 : Information

Explanation

This shows the correct usage.

Response

None.

AMQ8351

IBM WebSphere MQ Java environment has not been configured correctly.

Severity

20 : Error

Explanation

A command was issued that attempted to run a Java application. However either a working JRE (Java Runtime Environment) was not found or the IBM WebSphere MQ Java environment variables have not been set up. The command could not be run successfully.

Response

Ensure that you have a working JRE (Java Runtime Environment) and that the IBM WebSphere MQ Java environment variables have been set using the setjmsenv script. Retry the command.

AMQ8352

IBM WebSphere MQ queue manager <insert_5> becoming primary instance.

Severity

0 : Information

Explanation

Queue manager <insert_5> was running previously as a standby instance and is now becoming the primary instance.

Response

None.

AMQ8353

Quiesce request accepted. The queue manager will stop when all outstanding work is complete, permitting switchover to a standby queue manager.

Severity

0 : Information

Explanation

You have requested that the queue manager end when there is no more work for it. In the meantime, it will refuse new applications that attempt to start, although it allows those already running to complete their work. Once the queue manager has stopped, a switchover to a standby queue manager is permitted.

Response

None.

AMQ8354

IBM WebSphere MQ queue manager <insert_5> ended, permitting switchover to a standby queue manager.

Severity

0 : Information

Explanation

IBM WebSphere MQ queue manager <insert_5> ended. Once the queue manager has stopped, a switchover to a standby queue manager is permitted.

Response

None.

AMQ8355

IBM WebSphere MQ standby queue manager <insert_5> not permitted to become a primary instance.

Severity

20 : Error

Explanation

IBM WebSphere MQ standby queue manager <insert_5> obtained a lock on its data in the file-system but was not permitted to become a primary instance. The most likely cause is that the queue manager was stopped without permitting a switchover.

Response

None.

AMQ8367

Active instance of IBM WebSphere MQ queue manager <insert_3> not ended.

Severity

20 : Error

Explanation

You tried to end the local instance of IBM WebSphere MQ queue manager <insert_3> using the '-x' option, which ends a standby instance. The local instance is not a standby instance.

Response

Issue the endmqm command without the '-x' option.

AMQ8368

Standby instance of IBM WebSphere MQ queue manager <insert_3> not ended.

Severity

20 : Error

Explanation

You tried to end the local instance of IBM WebSphere MQ queue manager *<insert_3>*. It is a standby instance so you must specify the '-x' option of endmqm.

Response

Issue the endmqm command with the '-x' option.

AMQ8370

Usage: runmqdmn -q Queue -a Assembly

[-m QueueManager] [-c ClassName] [-u Text] [-s Syncpoint]

[-n MaxThreads] [-t Timeout] [-b BackoutThreshold]

[-r BackoutQueue] [-p Context] [-d]

Severity

0 : Information

Explanation

This shows the correct usage.

Response

None.

AMQ8371

<insert_3> is not a valid command line option.

Severity

40 : Stop Error

Explanation

The option *<insert_3>* was specified on the command line to the application. This option is not a valid command line options for the application.

Response

Check the usage information for the application and then retry.

AMQ8372

The required command line option *<insert_3>* is missing.

Severity

40 : Stop Error

Explanation

The application expects several mandatory command line options. One of these, *<insert_3>*, was not specified.

Response

Check the usage information for the application and ensure that all required parameters are specified then retry.

AMQ8373

Invalid value specified for command line option *<insert_3>* (*<insert_4>*).

Severity

40 : Stop Error

Explanation

The value specified for command line option *<insert_3>* (*<insert_4>*) is invalid.

Response

Check the usage information for the application and ensure that all options specify values in the valid range then retry.

AMQ8374

IBM WebSphere MQ queue manager *<insert_3>* does not exist.

Severity

40 : Stop Error

Explanation

The IBM WebSphere MQ queue manager <insert_3> does not exist.

Response

Either create the queue manager (crtmqm command) or correct the queue manager name used in the command and then try the command again.

AMQ8375

IBM WebSphere MQ queue manager <insert_3> not available.

Severity

40 : Stop Error

Explanation

The IBM WebSphere MQ queue manager <insert_3> is not available because it has been stopped or is otherwise not contactable.

Response

Use the strmqm command to start the message queue manager as necessary or correct any intermittent problems (eg. network connectivity) then try the command again.

AMQ8376

IBM WebSphere MQ queue <insert_3> not found.

Severity

40 : Stop Error

Explanation

The queue <insert_3> could not be found, it may not have been created.

Response

Ensure that the name of the queue specified is correct, queue names are case sensitive. If the queue is not created, use the runmqsc command to create it. Then try the command again.

AMQ8377

Unexpected error <insert_1> was received by the application.

Severity

40 : Stop Error

Explanation

The error <insert_1> was returned unexpectedly to the application.

Response

Save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ8378

Unexpected exception received from .NET Framework

<insert_3>

Severity

40 : Stop Error

Explanation

The application received an exception from the underlying .NET framework, information about the exception follows:

<insert_4>

Response

Examine the information contained within the exception to determine if it is possible to resolve locally.

If it is not possible to resolve the problem locally, save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at <https://www.ibm.com/support/home/product/C100515X13178X21/>

[other_software/ibm_support_assistant](#), to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ8379

Assembly *<insert_3>* could not be loaded

Severity

40 : Stop Error

Explanation

The IBM WebSphere MQ .NET Monitor attempted to load assembly *<insert_3>* but received an exception from the underlying .NET framework indicating that it could not be found. *<insert_4>*

Response

Check that the assembly does exist and is accessible to the user running the application then retry.

If the assembly should be available, save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ8380

No classes implementing IMQObjectTrigger found in *<insert_3>*.

Severity

40 : Stop Error

Explanation

The IBM WebSphere MQ .NET monitor was unable to identify any classes in referenced assembly *<insert_3>* which implement the IMQObjectTrigger interface.

Response

It is a requirement of the IBM WebSphere MQ .NET monitor that either a single class implementing the IMQObjectTrigger interface exists in the referenced assembly or that a class is identified in that assembly to execute. Either modify the assembly to include a single class implementing IMQObjectTrigger or specify a class name on the command line and retry.

AMQ8381

Too many classes implementing IMQObjectTrigger (*<insert_1>*) found in *<insert_3>*.

Severity

40 : Stop Error

Explanation

The IBM WebSphere MQ .NET monitor found *<insert_1>* classes in referenced assembly *<insert_3>* all of which implement the IMQObjectTrigger interface.

Response

It is a requirement of the IBM WebSphere MQ .NET monitor that either a single class implementing the IMQObjectTrigger interface exists in the referenced assembly or that a class is identified in that assembly to execute. Either modify the assembly to include a single class implementing IMQObjectTrigger or specify a class name on the command line and retry.

AMQ8382

A Message breaking the backout threshold (*<insert_1>*) was moved to *<insert_4>*

Severity

10 : Warning

Explanation

Whilst processing queue *<insert_3>* a message with a backout count that exceeded the specified backout threshold (*<insert_1>*) was successfully moved to *<insert_4>*

Response

The message moved to the backout queue has a backout count greater than the backout threshold specified (or picked up from the input queue BOTHRESH attribute). You should investigate the reason why this message was rolled back onto the input queue and resolve that issue. If backout processing

is not required, modify the command line options and or queue definitions to achieve the required behaviour from the .NET monitor.

AMQ8383

A Message breaking the backout threshold (<insert_1>) could not be moved.

Severity

40 : Stop Error

Explanation

While processing queue <insert_3> a message with a backout count that exceeded the specified backout threshold (<insert_1>) was encountered however, it was not possible to move it to either a backout queue or the dead-letter queue.

Response

Because it was not possible to move the backed out message to another queue, it has been left on the input queue. As a result, the .NET monitor has ended.

It is possible that the backout queue or dead-letter queue are full or disabled for put - in this case, resolve this problem first.

If backout processing should have resulted in the message being placed on another queue, check the command line options, input queue definition and queue manager dead-letter queue attribute to ensure that they are correct, then retry.

AMQ8390

Usage: endmqdnhm -q Queue [-m QueueManager]

Severity

0 : Information

Explanation

This shows the correct usage.

Response

None.

AMQ8391

<insert_3> is not a valid command line option.

Severity

40 : Stop Error

Explanation

The option <insert_3> was specified on the command line to the application. This option is not one of the valid set of command line options.

Response

Check the usage information for the application and then retry.

AMQ8392

The required command line option <insert_3> is missing.

Severity

40 : Stop Error

Explanation

The application expects mandatory command line options. One of these, <insert_3>, was not specified.

Response

Check the usage information for the application and ensure that all required parameters are specified then retry.

AMQ8393

Invalid value specified for command line option <insert_3> (<insert_4>).

Severity

40 : Stop Error

Explanation

The value specified for command line option *<insert_3>* (*<insert_4>*) is invalid.

Response

Check the usage information for the application and ensure that all options specify values in the valid range then retry.

AMQ8394

IBM WebSphere MQ queue manager *<insert_3>* does not exist.

Severity

40 : Stop Error

Explanation

The IBM WebSphere MQ queue manager *<insert_3>* does not exist.

Response

Either create the queue manager (crtmqm command) or correct the queue manager name used in the command and then try the command again.

AMQ8395

IBM WebSphere MQ queue manager *<insert_3>* not available.

Severity

40 : Stop Error

Explanation

The IBM WebSphere MQ queue manager *<insert_3>* is not available because it has been stopped or is otherwise not contactable.

Response

Use the strmqm command to start the message queue manager as necessary or correct any intermittent problems (eg. network connectivity) then try the command again.

AMQ8396

IBM WebSphere MQ queue *<insert_3>* not found.

Severity

40 : Stop Error

Explanation

The queue *<insert_3>* could not be found, it may not have been created.

Response

Ensure that the name of the queue specified is correct, queue names are case sensitive. If the queue is not created, use the runmqsc command to create it. Then try the command again.

AMQ8397

Unexpected error *<insert_1>* was received by the application.

Severity

40 : Stop Error

Explanation

The error *<insert_1>* was returned unexpectedly to the application.

Response

Save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ8398

Unexpected exception received from .NET Framework

<insert_3>

Severity

40 : Stop Error

Explanation

The application received an exception from the underlying .NET framework, information about the exception follows:

<insert_4>

Response

Examine the information contained within the exception to determine if it is possible to resolve locally.

If it is not possible to resolve the problem locally, save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ8401

<insert_1> MQSC commands read.

Severity

0 : Information

Explanation

The MQSC script contains <insert_1> commands.

Response

None.

AMQ8402

<insert_1> commands have a syntax error.

Severity

0 : Information

Explanation

The MQSC script contains <insert_1> commands having a syntax error.

Response

None.

AMQ8403

<insert_1> valid MQSC commands could not be processed.

Severity

0 : Information

Explanation

The MQSC script contains <insert_1> commands that failed to process.

Response

None.

AMQ8404

Command failed.

Severity

0 : Information

Explanation

An MQSC command has been recognized, but cannot be processed.

Response

None.

AMQ8405

Syntax error detected at or near end of command segment below:-

Severity

0 : Information

Explanation

The MQSC script contains <insert_1> commands having a syntax error.

Response

None.

AMQ8406

Unexpected 'end of input' in MQSC.

Severity

0 : Information

Explanation

An MQSC command contains a continuation character, but the 'end of input' has been reached without completing the command.

Response

None.

AMQ8407

Display Process details.

Severity

0 : Information

Explanation

The MQSC DISPLAY PROCESS command completed successfully, and details follow this message.

Response

None.

AMQ8408

Display Queue Manager details.

Severity

0 : Information

Explanation

The MQSC DISPLAY QMGR command completed successfully, and details follow this message.

Response

None.

AMQ8409

Display Queue details.

Severity

0 : Information

Explanation

The MQSC DISPLAY QUEUE command completed successfully, and details follow this message.

Response

None.

AMQ8410

Parser Error.

Severity

0 : Information

Explanation

The MQSC Parser has an internal error.

Response

None.

AMQ8411

Duplicate Keyword Error.

Severity

0 : Information

Explanation

A command in the MQSC script contains duplicate keywords.

Response

None.

AMQ8412

Numeric Range Error.

Severity

0 : Information

Explanation

The value assigned to an MQSC command keyword is out of the permitted range.

Response

None.

AMQ8413

String Length Error.

Severity

0 : Information

Explanation

A string assigned to an MQSC keyword is either NULL, or longer than the maximum permitted for that keyword.

Response

None.

AMQ8414

Display Channel details.

Severity

0 : Information

Explanation

The MQSC DISPLAY CHL command completed successfully, and details follow this message.

Response

None.

AMQ8415

Ping IBM WebSphere MQ Queue Manager command complete.

Severity

0 : Information

Explanation

The MQSC PING QMGR command completed successfully.

Response

None.

AMQ8416

MQSC timed out waiting for a response from the command server.

Severity

0 : Information

Explanation

MQSC did not receive a response message from the remote command server in the time specified.

Response

None.

AMQ8417

Display Channel Status details.

Severity

0 : Information

Explanation

The MQSC DISPLAY CHANNEL STATUS command completed successfully, and details follow this message.

Response

None.

AMQ8418

<insert_1> command responses received.

Severity

0 : Information

Explanation

Running in queued mode, <insert_1> command responses were received from the remote command server.

Response

None.

AMQ8419

The Queue is already in the DCE cell.

Severity

0 : Information

Explanation

The Queue is already in the cell, that is, its SCOPE attribute is already CELL.

Response

None.

AMQ8420

Channel Status not found.

Severity

0 : Information

Explanation

No status was found for the specified channel(s).

Response

None.

AMQ8421

A required keyword was not specified.

Severity

0 : Information

Explanation

A keyword required in this command was not specified.

Response

None.

AMQ8422

MQSC found the following response to a previous command on the reply queue :-

Severity

0 : Information

Explanation

MQSC found additional command responses on the reply queue. They will follow this message.

Response

None.

AMQ8423

Cell Directory not available.

Severity

0 : Information

Explanation

The DCE cell directory is not available, so the requested operation has failed.

Response

None.

AMQ8424

Error detected in a name keyword.

Severity

0 : Information

Explanation

A keyword in an MQSC command contained a name string which was not valid. This may be because it contained characters which are not accepted in MQ names. Typical keywords which can produce this error are QLOCAL (and the other q types), CHANNEL, XMITQ, INITQ, MCANAME etc.

Response

None.

AMQ8425

Attribute value error.

Severity

0 : Information

Explanation

A keyword in an MQSC command contained a value that was not valid.

Response

None.

AMQ8426

Valid MQSC commands are:

Severity

0 : Information

Explanation

The text shows valid MQSC commands.

Response

None.

AMQ8427

Valid syntax for the MQSC command:

Severity

0 : Information

Explanation

The text shown is the valid syntax for the MQSC command.

Response

None.

AMQ8428

TYPE Keyword has already been specified.

Severity

0 : Information

Explanation

The TYPE has already been specified after the DISPLAY verb, for example DISPLAY QUEUE(*) type(QLOCAL) type(QALIAS).

Response

Delete the second TYPE keyword and run the command again.

AMQ8429 (IBM i)

Error detected in a exit parameter.

Severity

0 : Information

Explanation

A syntax error occurred an the exit parameter. This may be because it contained characters which are not accepted as exit names. Check the parameters in the MSGEXIT, RCVEXIT, SCYEXIT and SENDEXIT definitions.

Response

None.

AMQ8430

Remote queue manager name is unknown.

Severity

0 : Information

Explanation

The Remote queue manager name is not known to this queue manager. Check that a transmission queue of the same name as the remote queue manager name exists.

Response

Create a transmission queue of the same name as the remote queue manager if one does not exist.

AMQ8431

Transmission queue does not exist

Severity

0 : Information

Explanation

The transmission queue does not exist on this queue manager.

Response

None.

AMQ8432

You are not allowed to set both the REPOS and REPOSNL fields.

Severity

0 : Information

Explanation

An attempt to set both the REPOS and REPOSNL fields has been made. Only one of these fields can have a value other than blank. Both of the fields may be blank.

Response

None.

AMQ8433

You are not allowed to set both the CLUSTER and CLUSNL fields.

Severity

0 : Information

Explanation

An attempt to set both the CLUSTER and CLUSNL fields has been made. Only one of these fields can have a value other than blank. Both of the fields may be blank.

Response

None.

AMQ8434

The repository is unavailable.

Severity

0 : Information

Explanation

The repository is unavailable and the data cannot be accessed. Stop and restart the queue manager.

Response

None.

AMQ8435

All valid MQSC commands were processed.

Severity

0 : Information

Explanation

The MQSC script contains no commands that failed to process.

Response

None.

AMQ8436

One valid MQSC command could not be processed.

Severity

0 : Information

Explanation

The MQSC script contains one command that failed to process.

Response

None.

AMQ8437

No MQSC commands read.

Severity

0 : Information

Explanation

The MQSC script contains no commands.

Response

None.

AMQ8438

One MQSC command read.

Severity

0 : Information

Explanation

The MQSC script contains one command.

Response

None.

AMQ8439

No commands have a syntax error.

Severity

0 : Information

Explanation

The MQSC script contains no commands having a syntax error.

Response

None.

AMQ8440

One command has a syntax error.

Severity

0 : Information

Explanation

The MQSC script contains one command which has a syntax error.

Response

None.

AMQ8441

Display Cluster Queue Manager details.

Severity

0 : Information

Explanation

The MQSC DISPLAY CLUSQMGR command completed successfully, and details follow this message.

Response

None.

AMQ8442

USAGE can not be set to XMITQ with either the CLUSTER or CLUSNL fields set.

Severity

0 : Information

Explanation

An attempt has been made to set USAGE to XMITQ when the CLUSTER or CLUSNL field has a value. Change the value of USAGE, or set the CLUSTER and CLUSNL fields to blank, and try the command again.

Response

None.

AMQ8442 (IBM i)

USAGE can not be set to *TMQ with either the CLUSTER or CLUSNL fields set.

Severity

0 : Information

Explanation

An attempt has been made to set USAGE to *TMQ when the CLUSTER or CLUSNL field has a value. Change the value of USAGE, or set the CLUSTER and CLUSNL fields to blank, and try the command again.

Response

None.

AMQ8443

Only the CLUSTER or CLUSNL field may have a value.

Severity

0 : Information

Explanation

An attempt has been made to set both CLUSTER and CLUSNL fields. One and only one of the fields may have a value, the other field must be blank. Change the value of one of the fields to blank and try the command again.

Response

None.

AMQ8444

The CLUSTER or CLUSNL fields must have a value.

Severity

0 : Information

Explanation

Both the CLUSTER and CLUSNL fields are blank. One and only one of the fields may be blank, the other field must be a value. Change one of the fields from blank to a value and try the command again.

Response

None.

AMQ8445

Program cannot open queue manager object.

Severity

30 : Severe error

Explanation

An attempt to open a queue manager object has failed.

Response

See the previously listed messages in the job log.

AMQ8446

Channel is currently active.

Severity

30 : Severe error

Explanation

The requested operation failed because the channel is currently active.

Response

See the previously listed messages in the job log.

AMQ8447

Requested operation on channel <insert_3> not valid for this channel type.

Severity

30 : Severe error

Explanation

The operation requested cannot be performed because channel <insert_3> is not of a suitable type. For example, only sender, server and cluster-sender channels can be resolved.

Response

Check that the correct operation was requested. If it was, check that the correct channel name was specified.

AMQ8448

Channel <insert_3> is not running.

Severity

30 : Severe error

Explanation

A request to stop channel <insert_3> has failed because the channel is not running.

Response

Check that the correct operation was requested. If it was, check that the correct channel name was specified.

AMQ8449

Queue <insert_3> inhibited for MQGET.

Severity

30 : Severe error

Explanation

An MQGET failed because the queue <insert_3> had been previously inhibited for MQGET.

Response

None.

AMQ8450

Display queue status details.

Severity

0 : Information

Explanation

The MQSC DISPLAY QSTATUS command completed successfully. Details follow this message.

AMQ8451 (IBM i)

STATUS(*STOPPED) not allowed with CONNAME specified.

Severity

0 : Information

Explanation

The STATUS(*STOPPED) parameter is not allowed when specifying CONNAME on the ENDMQMCHL command.

Response

Remove the CONNAME parameter from the command or, specify STATUS(*INACTIVE) to end the channel instance for the specified connection name.

AMQ8452 (IBM i)

STATUS(*STOPPED) not allowed with RQMNAME specified.

Severity

0 : Information

Explanation

The STATUS(*STOPPED) parameter is not allowed when specifying RQMNAME on the ENDMQMCHL command.

Response

Remove the RQMNAME parameter from the command or, specify STATUS(*INACTIVE) to end the channel instance for the specified remote queue manager.

AMQ8453

The path *<insert_3>* is invalid

Severity

20 : Error

Explanation

You typed a path which was not syntactically correct for the operating system you are running IBM WebSphere MQ on.

Response

Determine the correct syntax of a path name for the operating system you are running IBM WebSphere MQ on and use this information to type in a valid path.

AMQ8454

Syntax error found in parameter *<insert_3>*.

Severity

20 : Error

Explanation

The data you entered for *<insert_3>* does not conform to the syntax rules laid down by IBM WebSphere MQ for this parameter.

Response

Carefully check the data entered for this parameter in conjunction with the IBM WebSphere MQ Command Reference to determine the cause of error.

AMQ8455

Password length error

Severity

20 : Error

Explanation

The password string length is rounded up by IBM WebSphere MQ to the nearest eight bytes. This rounding causes the total length of the SSLCryp string to exceed its maximum.

Response

Decrease the size of the password, or of earlier fields in the SSLCryp string.

AMQ8456

Conflicting parameters in command.

Severity

20 : Error

Explanation

The command contains parameters that cannot be used together.

Response

Refer to the IBM WebSphere MQ Script (MQSC) Command Reference to determine an allowable combination of parameters for this command.

AMQ8457

IBM WebSphere MQ connection stopped.

Severity

0 : Information

Explanation

The STOP CONN command successfully stopped the connection that was specified.

Response

None.

AMQ8458

IBM WebSphere MQ connection not stopped.

Severity

0 : Information

Explanation

The STOP CONN command could not stop the connection that was specified.

Response

None.

AMQ8459

Not Found.

Severity

0 : Information

Explanation

You specified an identifier that was not found. Please try the command again and supply a valid identifier.

Response

None.

AMQ8460

Syntax error in connection identifier.

Severity

0 : Information

Explanation

You specified an invalid connection identifier. A valid connection identifier contains 16 hex characters, where all of the characters in the connection identifier should lie within the range 0-9, a-z or A-Z.

Response

Correct the connection identifier so that it conforms to the above specification.

AMQ8461

Connection identifier not found.

Severity

0 : Information

Explanation

You specified a connection identifier which is not associated with this queue manager.

Response

Correct the connection identifier so that it describes a connection identifier which is associated with this queue manager. Use the command DISPLAY CONN to identify potential connection identifiers to use with this command.

AMQ8462

The required parameter *<insert_3>* is missing.

Severity

20 : Error

Explanation

The command you entered requires the *<insert_3>* parameter, which has not been specified.

Response

Make sure you specify the missing required parameter.

AMQ8463

At least one of *<insert_3>* must be specified.

Severity

20 : Error

Explanation

At least one of the parameters *<insert_3>* must be specified.

Response

Make sure you specify the required parameters.

AMQ8464

IBM WebSphere MQ subscription *<insert_3>* not found.

Severity

30 : Severe error

Explanation

If the command entered was Change or Display, the subscription *<insert_3>* specified does not exist. If the command entered was Copy, the source subscription does not exist. If the command entered was Create, the system default MQ subscription does not exist.

Response

Correct the subscription name or subscription id specified and then try the command again. If you are creating a new subscription, either specify all parameters explicitly or ensure that the system default subscription, SYSTEM.DEFAULT.SUB, exists.

AMQ8465

The *<insert_3>* attribute cannot be modified for an existing Subscription.

Severity

20 : Error

Explanation

The Subscription could not be altered or replaced.

Response

The Subscription could not be altered or replaced. Check that the command only contains changable attributes.

AMQ8466

The remote queue *<insert_3>* could not be opened.

Severity

30 : Severe error

Explanation

The remote queue could not be opened..

Response

Check that the remote Queue is correctly defined on the remote Queue Manager.

AMQ8467

There was a syntax error in the hex string representing the bytes value of a keyword.

Severity

0 : Information

Explanation

The hex string that was entered was found to contain a syntax error. This error may occur for one of the following reasons:

- The string was too long.
- The string contained invalid hex characters.

Valid characters are 0-9, A-F and a-f. Hex strings with an odd number of characters will be prefixed with a zero, for example, DESTCORL(A) will be interpreted as DESTCORL(0A)

Response

None.

AMQ8468

DEST field must not be set when using DESTCLAS(MANAGED)

Severity

30 : Severe error

Explanation

An attempt to set both DESTCLAS(MANAGED) and DEST has been made. When using DESTCLAS(MANAGED) do not specify a destination. If a destination is required then DESTCLAS(PROVIDED) should be used.

Response

None.

AMQ8469

IBM WebSphere MQ subscription <insert_3> in use.

Severity

30 : Severe error

Explanation

The subscription <insert_3> specified is currently in use by another application.

Response

Ensure that no applications are using the specified subscription, then try the command again.

AMQ8470

The object <insert_3> is not a valid subscription destination.

Severity

30 : Severe error

Explanation

The object <insert_3> is not of a permitted type for a subscription destination.

Response

If using a QALIAS as a subscription destination object, ensure that its TARGTYPE attribute has the value of QUEUE.

AMQ8471

IBM WebSphere MQ topic string error

Severity

30 : Severe error

Explanation

The topic string (TOPICSTR) supplied was not valid

Response

Correct the topic string definition and try the command again.

AMQ8472

IBM WebSphere MQ topic string not found

Severity

30 : Severe error

Explanation

The topic string supplied does not exist in the topic tree

Response

Correct the topic string used and try the command again

AMQ8473

An IBM WebSphere MQ topic using the supplied topic string already exists

Severity

30 : Severe error

Explanation

The topic string supplied has been specified on a previously created topic object. At most, one topic object per topic string is permitted.

Response

If the topic string specified is incorrect, modify the topic string and retry the operation. Alternatively, if the previously created topic object is not required, delete that topic object first, then retry the operation.

AMQ8474

The required parameter SUB is invalid.

Severity

20 : Error

Explanation

The command you entered requires a valid SUB parameter.

Response

Make sure the required parameter is correct.

AMQ8475

Subscription already exists.

Severity

20 : Error

Explanation

The Subscription *<insert_3>* could not be created because it already exists.

Response

Check that the name is correct and try the command again specifying REPLACE, or delete the Subscription. Then try the command again.

AMQ8476

The required parameter *<insert_3>* is missing.

Severity

20 : Error

Explanation

The command you entered requires the *<insert_3>* parameter, which has not been specified.

Response

Make sure you specify the missing required parameter.

AMQ8477

The specified options are invalid.

Severity

40 : Stop Error

Explanation

The combination of options supplied for the command are invalid.

Response

Check the specified options and ensure they are correct.

AMQ8478

Standby queue manager.

Severity

40 : Stop Error

Explanation

The queue manager is a standby queue manager. You must use the primary instance of a queue manager to administer it.

Response

Re-issue the command on the primary instance of the queue manager.

AMQ8480

Subscription <insert_3> could not be created. The reason code from the MQSUB function call was <insert_1>.

Severity

20: Error

Explanation

During the attempt to create subscription name '<insert_3>', an error was detected. The reason for failure is <insert_1>. This reason code is returned from the MQSUB function call.

Response

Check the reason code in the IBM WebSphere MQ Messages manual, correct the underlying problem and then try the command again.

AMQ8482

Cluster topics inhibited due to PSCLUS(DISABLED).

Severity

20: Error

Explanation

The queue manager attribute PSCLUS has been set to DISABLED so clustered topics cannot be defined and existing topics can not be altered to set the CLUSTER attribute. Topic <insert_3> has not been created or altered on this system.

Response

If you need to enable publish/subscribe clustering, modify the PSCLUS attribute to ENABLED on all queue managers participating in the cluster.

AMQ8483

Unable to modify PSCLUS because cluster topic(s) exist.

Severity

20: Error

Explanation

Queue manager attribute PSCLUS has been set to DISABLED to indicate that Publish/Subscribe activity is not expected between queue managers in this cluster. However, a cluster topic already exists, so the setting cannot be modified. The PSCLUS attribute remains unchanged.

Response

If you need to disable publish/subscribe activity within this cluster, first DELETE all cluster topic objects, then remodify the PSCLUS attribute.

AMQ8491

Timeout waiting for a reply from the Telemetry service.

Severity

0 : Information

Explanation

Timeout waiting for a reply from the Telemetry Service 'SYSTEM.MQXR.SERVICE'.

Response

Reduce the number of responses expected from the Telemetry Service by using a **where** clause.

AMQ8492

The number of responses has been limited to *<insert_1>*

Severity

0 : Information

Explanation

The number of responses has been limited to the **MAXDEPTH** of the ReplyToQueue 'SYSTEM.MQSC.REPLY.QUEUE'.

Response

Reduce the number of responses expected from the Telemetry Service by using a **where** clause, or increase the **MAXDEPTH** of the ReplyToQueue 'SYSTEM.MQSC.REPLY.QUEUE'.

AMQ8498

Starting MQSC for queue manager *<insert_3>*.

Severity

0 : Information

Explanation

The MQSC script contains *<insert_1>* commands.

Response

None.

AMQ8499

Usage: runmqsc [-e] [-v] [-w WaitTime [-x]] [QMgrName]

Severity

0 : Information

Explanation

None.

Response

None.

AMQ8499 (Tandem)

Usage: runmqsc [-e] [-v] [-w WaitTime] [-x] [-i In] [-o Out] QMgrName

Severity

0 : Information

Explanation

None.

Response

None.

AMQ8500

IBM WebSphere MQ Display MQ Files

Severity

0 : Information

AMQ8501

Common services initialization failed with return code *<insert_1>*.

Severity

20 : Error

Explanation

A request by the command server to initialize common services failed with return code *<insert_1>*.

Response

None.

AMQ8502

Connect shared memory failed with return code *<insert_1>*.

Severity

20 : Error

Explanation

A request by the command server to connect shared memory failed with return code *<insert_1>*.

Response

None.

AMQ8503

Post event semaphore failed with return code *<insert_1>*.

Severity

20 : Error

Explanation

A request by the command server to post an event semaphore failed with return code *<insert_1>*.

Response

None.

AMQ8504

Command server MQINQ failed with reason code *<insert_1>*.

Severity

20 : Error

Explanation

An MQINQ request by the command server, for the IBM WebSphere MQ queue *<insert_3>*, failed with reason code *<insert_1>*.

Response

None.

AMQ8505

Reallocate memory failed with return code *<insert_1>*.

Severity

20 : Error

Explanation

A request by the command server to reallocate memory failed with return code *<insert_1>*.

Response

None.

AMQ8506

Command server MQGET failed with reason code *<insert_1>*.

Severity

20 : Error

Explanation

An MQGET request by the command server, for the IBM WebSphere MQ queue *<insert_3>*, failed with reason code *<insert_1>*.

Response

None.

AMQ8507

Command server MQPUT1 request for an undelivered message failed with reason code *<insert_1>*.

Severity

20 : Error

Explanation

An attempt by the command server to put a message to the dead-letter queue, using MQPUT1, failed with reason code *<insert_1>*. The MQDLH reason code was *<insert_2>*.

Response

None.

AMQ8508

Queue Manager Delete Object List failed with return code *<insert_1>*.

Severity

20 : Error

Explanation

A request by the command server to delete a queue manager object list failed with return code *<insert_1>*.

Response

None.

AMQ8509

Command server MQCLOSE reply-to queue failed with reason code *<insert_1>*.

Severity

20 : Error

Explanation

An MQCLOSE request by the command server for the reply-to queue failed with reason code *<insert_1>*.

Response

None.

AMQ8510

Command server queue is open, try again later.

Severity

30 : Severe error

AMQ8511

Usage: strmqcsv [QMgrName]

Severity

0 : Information

AMQ8512

Usage: endmqcsv [-c | -i] QMgrName

Severity

0 : Information

AMQ8513

Usage: dspmqcsv [QMgrName]

Severity

0 : Information

AMQ8514

No response received after *<insert_1>* seconds.

Severity

20 : Error

Explanation

The command server has not reported the status of running, to the start request, before the timeout of *<insert_1>* seconds was reached.

Response

None.

AMQ8515 (Tandem)

MQSeries Alter MQ Files

Severity

0 : Information

Explanation

Title for the altmqfls command.

Response

None.

AMQ8516 (Tandem)

MQSeries Clean Queue Manager

Severity

0 : Information

Explanation

Title for the cleanqm command.

Response

None.

AMQ8517 (Tandem)

The messages files are partitioned and cannot be moved.

Severity

0 : Information

Explanation

Partition Error from the altmqfls command.

Response

None.

AMQ8518

LOGGEREV is only valid when using a linear logging queue manager.

Severity

20 : Error

Explanation

The LOGGEREV attribute may only be set to ENABLED when the queue manager was created as a linear logging queue manager. For more information about logging, see [Making sure that messages are not lost \(logging\)](#).

Response

The system administrator should only attempt to change the LOGGEREV queue manager attribute when the queue manager being administered was created as a linear logging queue manager.

AMQ8519

The topic object <insert_3> does not permit durable subscription.

Severity

30 : Severe error

Explanation

The topic object <insert_3> has been defined to disallow durable subscription.

Response

Ensure that the topic object to which you are creating a subscription allows durable subscription.

AMQ8520

The queue name supplied is not valid for DEFXMITQ.

Severity

20 : Error

Explanation

The specified queue is not allowed to be used as the default transmission queue because it is reserved for use exclusively by clustering.

Response

Change the value of DEFXMITQ, and try the command again.

AMQ8549

Total string length exceeds the maximum value of 999 characters.

Severity

0 : Information

Explanation

The total length of a channel exit string is 999 characters. The string list assigned to an MQSC keyword is longer than the maximum value of 999 characters permitted for that keyword.

Response

None.

AMQ8550

Display namelist details.

Severity

0 : Information

Explanation

The MQSC DISPLAY NAMELIST command completed successfully, and details follow this message.

Response

None.

AMQ8551

IBM WebSphere MQ namelist changed.

Severity

0 : Information

Explanation

IBM WebSphere MQ namelist <insert_5> changed.

Response

None.

AMQ8552

IBM WebSphere MQ namelist created.

Severity

0 : Information

Explanation

IBM WebSphere MQ namelist <insert_5> created.

Response

None.

AMQ8553

IBM WebSphere MQ namelist deleted.

Severity

0 : Information

Explanation

IBM WebSphere MQ namelist <insert_5> deleted.

Response

None.

AMQ8554

String List String Count Error.

Severity

0 : Information

Explanation

The number of strings within the stringlist is greater than the maximum number allowed for the keyword. Reduce the number of strings within the list and try the command again.

Response

None.

AMQ8555

String List String Length Error.

Severity

0 : Information

Explanation

A string in a string list assigned to a keyword is longer than the maximum permitted for that keyword.

Response

None.

AMQ8556

RESUME QUEUE MANAGER accepted.

Severity

0 : Information

Explanation

The RESUME QUEUE MANAGER command has been accepted for processing. The command will be sent to the repository which will process the command and notify all other repositories that this queue manager is now back in the cluster.

Response

None.

AMQ8557

SUSPEND QUEUE MANAGER accepted.

Severity

0 : Information

Explanation

The SUSPEND QUEUE MANAGER command has been accepted for processing. The command will be sent to the repository which will process the command and notify all other repositories that this queue manager is leaving the cluster.

Response

None.

AMQ8558

REFRESH CLUSTER accepted.

Severity

0 : Information

Explanation

The REFRESH CLUSTER command has been accepted for processing. The command will be sent to the Repository which will process the command and notify all other repositories that the Cluster needs refreshing.

Response

None.

AMQ8559

RESET CLUSTER accepted.

Severity

0 : Information

Explanation

The RESET CLUSTER command has been accepted for processing. The command will be sent to the Repository which will process the command and notify all other repositories that the Cluster needs resetting.

Response

None.

AMQ8560

IBM WebSphere MQ security cache refreshed.

Severity

0 : Information

Explanation

The object authority manager security cache has been refreshed.

Response

None.

AMQ8561 (Tandem)

IBM WebSphere MQ for HP Integrity NonStop Server does not support this option.

Severity

0 : Information

Explanation

None.

Response

None.

AMQ8561 (Windows)

Domain controller unavailable.

Severity

10 : Warning

Explanation

IBM WebSphere MQ was unable to contact the domain controller to obtain information for user <insert_3>.

Response

Ensure that a domain controller for the domain on which user <insert_3> is defined is available. Alternatively, if you are using a computer which is not currently connected to the network and have logged on using a domain user ID, you may wish to log on using a local user ID instead.

AMQ8562

The Java application failed to connect to the Queue Manager because the version of the native JNI library <insert_3> is inconsistent with the version of the IBM WebSphere MQ Queue Manager <insert_4>.

Severity

10 : Warning

Explanation

The native JNI library <insert_3> is out-of-date compared to the IBM WebSphere MQ Queue Manager <insert_4>

Response

Ensure that the Java library path points to the current version of the JNI library

AMQ8562 (Tandem)

Command line does not exist

Severity

0 : Information

Explanation

None.

Response

None.

AMQ8563

IBM WebSphere MQ authentication information object created.

Severity

0 : Information

Explanation

IBM WebSphere MQ authentication information object <insert_3> created.

Response

None.

AMQ8564

IBM WebSphere MQ authentication information object deleted.

Severity

0 : Information

Explanation

IBM WebSphere MQ authentication information object <insert_3> deleted.

Response

None.

AMQ8565

Queue Status not found.

Severity

0 : Information

Explanation

Queue Status for the specified queue could not be found.

Response

None.

AMQ8566

Display authentication information details.

Severity

0 : Information

Explanation

The MQSC DISPLAY AUTHINFO command completed successfully. Details follow this message.

Response

None.

AMQ8567

IBM WebSphere MQ authentication information changed.

Severity

0 : Information

Explanation

IBM WebSphere MQ authentication information <insert_3> changed.

Response

None.

AMQ8568

The native JNI library <insert_3> was not found.

Severity

10 : Warning

Explanation

The native JNI library <insert_3> could not be loaded because the library was not found.

Response

Ensure that the java library path points to the location of the JNI library.

AMQ8568 (IBM i)

No authinfo objects to display.

Severity

0 : Information

Explanation

There are no matching authinfo objects defined on this system.

Response

Using the DEFINE AUTHINFO command to create an authinfo object.

AMQ8569

Error in filter specification

Severity

0 : Information

Explanation

You specified an invalid filter. Check the WHERE statement and make sure that the operator is valid for the type of parameter, that the parameter can be filtered on, and that the value that you specified for the filter is valid for the type of attribute you are filtering on.

Response

None.

AMQ8570

Attribute value error in <insert_3>.

Severity

0 : Information

Explanation

The keyword <insert_3> contained a value that was not valid for this configuration. Please check the MQSC Command Reference to determine valid values for <insert_3>.

Response

None.

AMQ8571

<insert_1> authority not revoked from the <insert_2> group for reason "1111".

Severity

10 : Warning

Explanation

As part of queue manager migration an attempt was made to revoke <insert_1> authority from the <insert_2> group for the <insert_3> object. That attempt failed for reason "1111".

Response

An administrator must determine the cause of failure and then use the **setmqaut** command to manually revoke <insert_1> authority from the <insert_2> group for the <insert_3> object.

AMQ8572

Securing IBM WebSphere MQ objects against local groups may yield undesirable results.

Severity

10 : Warning

Explanation

A request was made to secure a IBM WebSphere MQ object against a local group in a Multi Instance queue manager environment. Access to these objects may be refused upon switch-over.

Response

An administrator should determine whether the request was intentional and use the setmqaut command to secure the IBM WebSphere MQ object against a corresponding domain group.

AMQ8574

Refreshing settings for primary installation "<insert_1>" (<insert_2>)

Severity

10 : Warning

Explanation

A request was issued to set installation "<insert_1>" as the primary installation however this installation is already set as the Primary Installation. The command continues and refreshes the settings which identify this installation as the primary installation.

Response

None.

AMQ8575

Unable to access installation task file "<insert_1>".

Severity

20 : Error

Explanation

An attempt was made to access the IBM WebSphere MQ installation task file "<insert_1>" however the command issued was unable to access the file.

Response

Further messages might have been issued giving more details about the failure to access the file. Check that the file exists, and the access permissions are correct. Correct any errors and re-issue the command.

AMQ8576

"<insert_1>" (<insert_2>) set as the primary installation. You must restart the operating system to complete the update.

Severity

0 : Information

Explanation

All tasks required to set installation "<insert_1>" as the primary installation have been completed. If the installation was not already set as the primary installation then the installation configuration has also been updated to identify installation "<insert_1>" as the primary installation.

In order to ensure that the updates are visible machine-wide, a restart of the operating system is required.

Response

None.

AMQ8577

Failed to set "<insert_1>" (<insert_2>) as the primary installation.

Severity

20 : Error

Explanation

The command attempted to set installation "<insert_1>" as the primary installation but one or more of the tasks required to set the installation as the primary installation failed to complete successfully. Any updates made by the command have been undone.

Response

Further messages have been issued giving more details about the failure. Correct any identified errors and re-issue the command.

AMQ8578

Failed to refresh configuration for primary installation "<insert_1>" (<insert_2>).

Severity

20 : Error

Explanation

The command attempted to refresh the tasks required to set installation "<insert_1>" as the primary installation but one or more of the tasks failed to complete successfully. Installation "<insert_1>" is still set as the primary installation.

Response

Further messages have been issued giving more details about the failure. Correct any identified errors and re-issue the command.

AMQ8579

Primary installation cannot be changed from "<insert_2>" to "<insert_1>".

Severity

20 : Error

Explanation

The command attempted to set installation "<insert_1>" as the primary installation but the operation could not be performed because installation "<insert_2>" is already set as the primary installation.

Response

In order to set installation "<insert_1>" as the primary installation you must first unset installation "<insert_2>" as the primary installation using the command "**setmqinst -x -n <insert_2>**". You can then re-issue the command to set installation "<insert_1>" as the primary installation.

AMQ8580

Failed to unset "<insert_1>" (<insert_2>) as the primary installation.

Severity

20 : Error

Explanation

The command attempted to unset installation "<insert_1>" as the primary installation but one or more of the tasks required to unset the installation as the primary installation failed to complete successfully. The installation remains set as the primary installation.

Response

Further messages have been issued giving more details about the failure. Correct any identified errors and re-issue the command.

AMQ8581

"<insert_1>" (<insert_2>) is not currently set as the primary installation.

Severity

20 : Error

Explanation

The command attempted to unset installation "<insert_1>" as the primary installation but installation "<insert_1>" is not currently set as the primary installation.

Response

Verify the name of the installation supplied is correct and re-issue the command if necessary.

AMQ8582

"<insert_1>" (<insert_2>) has been unset as the primary installation.

Severity

0 : Information

Explanation

All tasks required to unset installation "<insert_1>" as the primary installation have been completed.

Response

None

AMQ8583

Installation details for <insert_3> location <insert_4> missing or corrupt.

Severity

20 : Error

Explanation

The command attempted to access the installation details for installation <insert_3> location <insert_4> but the installation details were not found or are corrupt.

Response

Use the `dspmqinst` command to verify the contents of the installation configuration file. If the entry is missing or corrupt use the `crtmqinst` command with the `-r` parameter to rebuild the configuration information for the installation.

AMQ8584

Insufficient permission to update installation configuration.

Severity

20 : Error

Explanation

An attempt was made to update the IBM WebSphere MQ installation configuration for Installation `<insert_3>` location `<insert_4>` but the request was rejected as the current user does not have sufficient authority to make the update.

Response

Issue the command from a user with sufficient authority to update the installation configuration.

AMQ8585

Invalid value specified for `<insert_3>` parameter.

Severity

20 : Error

Explanation

The value supplied for the `<insert_3>` parameter is invalid.

Response

Verify that the value supplied is

- correctly specified
- contains only valid characters
- does not exceed the maximum length for the parameter

AMQ8586

Usage: `setmqinst (-n InstName | -p InstPath) (-i | -x | -d Text)`

`-d` Descriptive text.
`-i` Set this installation as the primary installation.
`-n` Installation name.
`-p` Installation path.
`-x` Unset this installation as the primary installation.

Severity

0 : Information

Explanation

This message shows correct usage.

Response

None.

AMQ8587

Note there are a number (1111) of other installations, use the `"-i"` parameter to display them.

Severity

0 : Information

Explanation**Response**

None.

AMQ8588

No parameter was detected. The environment has been set for the installation from which the `setmqenv` command was issued.

Severity

10 : Warning

Explanation

The environment has been set for the installation that **setmqenv** originates from because **setmqenv** detected no parameters. If you specified parameters but these parameters have been ignored, it might be because the shell script you are using cannot pass parameters to a sourced script.

Response

If you intended to set up the environment for another installation but did not specify any parameters, issue the command again specifying the correct parameters. If you specified parameters for **setmqenv** but they have been ignored, use the **setmqenv** command from the installation you want to set up the environment for. Use the **dspmqinst** command to determine the path for other installations and use the **dspmq** command to determine the installation associated with a specific queue manager.

AMQ8589

Installation "<insert_1>" (<insert_2>) is implicitly primary.

Severity

10: Warning

Explanation

The command attempted to modify the primary installation "<insert_1>", however this installation is implicitly primary and can only be made non-primary by uninstalling this installation.

Response

Verify that the installation "<insert_1>" is required, if so no other installation can be made primary.

AMQ8590

Installation "<insert_1>" (<insert_2>) is not installed.

Severity

20 : Error

Explanation

A command was issued specifying an installation which is not currently installed. The installation must be installed for this command to run.

Response

None.

AMQ8592

Queue manager "<insert_1>" is now associated with installation "<insert_2>"

Severity

0: Information

Explanation

A command was issued that has associated queue manager "<insert_1>" with installation "<insert_2>". The queue manager is executed by this installation when it is next started.

Response

None

AMQ8593

Installation state for installation "<insert_1>" ("<insert_2>") detected as invalid.

Severity

20 : Error

Explanation

An attempt was made to modify the state of installation "<insert_1>" ("<insert_2>"), however an error was detected related to the current state of this installation which prevented the change from occurring.

Response

Investigate recent changes to the system that might have invalidated installation "<insert_1>". It might be necessary to contact your IBM support center, in which case a trace of the failing command might be required.

AMQ8595

The **setmqenv** command was not preceded by the **source** command.

Severity

20 : Error

Explanation

The command script containing **setmqenv** modifies the environment of the shell in which it is running. Because you did not precede **setmqenv** with the source command, it runs in a new shell and it modifies the environment in the new shell. When the **setmqenv** command ends, the new shell ends and control returns to the old shell. The old shell does not inherit changes to the environment from the new shell. The result is that the environment of the old shell, containing the **setmqenv** command does not change.

Response

Precede **setmqenv** with the **source** command. The combination of a dot followed by a space is a synonym for the source command; for example:

```
. setmqenv -s
```

AMQ8597

This process can only use installation "<insert_4>".

Severity

10 : Error

Explanation

An MQ_long shared library "<insert_3>" was detected in this process before the first connection to a queue manager was made.

Linking applications to this shared library is deprecated. Applications that do so should be re-linked because it inhibits the use of multiple installations from within the application.

As a temporary work-around, this process is allowed to connect to queue managers associated with installation "<insert_4>". Attempting to connect to a queue manager associated with an installation other than "<insert_4>" will either fail with reason code MQRC_INSTALLATION_MISMATCH or MQRC_FASTPATH_NOT_AVAILABLE.

To obtain full multiple installation functionality, you must re-link this application, omitting -lmqmcs and -lmqzse from the link step.

Response

Re-link your application, omitting the -lmqmcs and -lmqzse options from the command line. When the application is re-linked without libmqmcs or libmqzse, these restrictions are lifted and the application supports connecting to queue managers from installations other than "<insert_4>".

This message can be suppressed by setting the AMQ_NO_MQMCS_MSG environment variable to any value.

AMQ8601

IBM WebSphere MQ trigger monitor started.

Severity

0 : Information

Explanation

The IBM WebSphere MQ trigger monitor has been started.

Response

None.

AMQ8601 (IBM i)

IBM WebSphere MQ trigger monitor started.

Severity

0 : Information

Explanation

The trigger monitor has been started with initiation queue <insert_3>.

Response

None.

AMQ8602

IBM WebSphere MQ trigger monitor ended with exit code <insert_1>. If this value is anything other than zero, it indicates an error condition.

Severity

0 : Information

Explanation

The IBM WebSphere MQ trigger monitor has ended with exit code <insert_1>.

Response

Look for earlier error messages from the trigger monitor.

AMQ8603

Usage: runmqtrm [-m QMgrName] [-q InitQ]

Severity

0 : Information

Explanation

None.

Response

None.

AMQ8604

Use of IBM WebSphere MQ trigger monitor not authorized.

Severity

0 : Information

Explanation

The trigger monitor cannot be run due to lack of authority to the requested queue manager or initiation queue.

Response

Obtain the necessary authority from your security officer or IBM WebSphere MQ administrator. Then try the command again.

AMQ8605

Queue manager not available to the IBM WebSphere MQ trigger monitor

Severity

0 : Information

Explanation

The queue manager specified for the trigger monitor does not exist, or is not active.

Response

Check that you named the correct queue manager. Ask your systems administrator to start it, if it is not active. Then try the command again.

AMQ8606

Insufficient storage available for the IBM WebSphere MQ trigger monitor.

Severity

0 : Information

Explanation

There was insufficient storage available for the IBM WebSphere MQ trigger monitor to run.

Response

Free some storage and then try the command again.

AMQ8607

IBM WebSphere MQ trigger monitor connection failed.

Severity

0 : Information

Explanation

The trigger monitor's connection to the requested queue manager failed because of MQI reason code <insert_1> from MQCONN.

Response

Consult your systems administrator about the state of the queue manager.

AMQ8608

IBM WebSphere MQ trigger monitor connection broken.

Severity

0 : Information

Explanation

The connection to the queue manager failed while the trigger monitor was running. This may be caused by an endmqm command being issued by another user, or by a queue manager error.

Response

Consult your systems administrator about the state of the queue manager.

AMQ8609

Initiation queue missing or wrong type

Severity

0 : Information

Explanation

The named initiation queue could not be found; or the queue type is not correct for an initiation queue.

Response

Check that the named queue exists, and is a local queue, or that the named queue is an alias for a local queue which exists.

AMQ8610

Initiation queue in use

Severity

0 : Information

Explanation

The IBM WebSphere MQ trigger monitor could not open the initiation queue because the queue is open for exclusive use by another application.

Response

Wait until the queue is no longer in use, and try the command again.

AMQ8611

Initiation queue could not be opened.

Severity

0 : Information

Explanation

The IBM WebSphere MQ trigger monitor could not open the initiation queue; reason code <insert_1> was returned from MQOPEN.

Response

Consult your systems administrator.

AMQ8612

Waiting for a trigger message

Severity

0 : Information

Explanation

The IBM WebSphere MQ trigger monitor is waiting for a message to arrive on the initiation queue.

Response

None.

AMQ8613

Initiation queue changed or deleted

Severity

0 : Information

Explanation

The IBM WebSphere MQ trigger monitor is unable to continue because the initiation queue has been deleted or changed since it was opened.

Response

Retry the command.

AMQ8614

Initiation queue not enabled for input.

Severity

0 : Information

Explanation

The IBM WebSphere MQ trigger monitor cannot read from the initiation queue because input is not enabled.

Response

Ask your systems administrator to enable the queue for input.

AMQ8615

IBM WebSphere MQ trigger monitor failed to get message.

Severity

0 : Information

Explanation

The IBM WebSphere MQ trigger monitor failed because of MQI reason code *<insert_1>* from MQGET.

Response

Consult your systems administrator.

AMQ8616

End of application trigger.

Severity

0 : Information

Explanation

The action to trigger an application has been completed.

Response

None.

AMQ8617

Not a valid trigger message.

Severity

0 : Information

Explanation

The IBM WebSphere MQ trigger monitor received a message that is not recognized as a valid trigger message. If the queue manager has a dead letter queue, the trigger monitor attempts to put the message onto that queue. If that operation succeeds, the trigger monitor continues. Otherwise, the trigger monitor checks whether the Report options in the message descriptor allow the message to be discarded. If so, the message is discarded and the trigger monitor continues. If not, the operation is backed out and the trigger monitor ends.

Response

Investigate the reason why the trigger message was invalid. Check that you have started the trigger monitor to consume from the correct queue. The trigger monitor must be given the name of an initiation queue, not an application queue. If you have started it to consume from an application queue, this should be corrected.

AMQ8618

Error <insert_1> starting triggered application (errno <insert_2>).

Severity

0 : Information

Explanation

An error was detected when trying to start the application identified in a trigger message. The system() call returned <insert_1>. This can cause the value of errno to be set. In this case the value was <insert_2>.

Response

Check that the application the trigger monitor was trying to start is available. Refer to documentation for the system() call as to why the triggered application failed to start.

AMQ8619

Application type <insert_1> not supported.

Severity

0 : Information

Explanation

A trigger message was received which specifies application type <insert_1>; the trigger monitor does not support this type.

Response

Use an alternative trigger monitor for this initiation queue.

AMQ8620

Trigger message with warning <insert_1>

Severity

0 : Information

Explanation

The trigger monitor received a message with a warning. For example, it may have been truncated or it could not be converted to the trigger monitor's data representation. The reason code for the warning is <insert_1>.

Response

None.

AMQ8621

Usage: runmqtmc [-m QMgrName] [-q InitQ]

Severity

0 : Information

Explanation

None.

Response

None.

AMQ8622

Usage: CICS-Transaction-Name [MQTMC2 structure]

Severity

0 : Information

Explanation

None.

Response

None.

AMQ8623

IBM WebSphere MQ listener changed.

Severity

0 : Information

Explanation

IBM WebSphere MQ listener <insert_3> changed.

Response

None.

AMQ8624

IBM WebSphere MQ service changed.

Severity

0 : Information

Explanation

IBM WebSphere MQ service <insert_3> changed.

Response

None.

AMQ8625

IBM WebSphere MQ service created.

Severity

0 : Information

Explanation

IBM WebSphere MQ service <insert_3> created.

Response

None.

AMQ8626

IBM WebSphere MQ listener created.

Severity

0 : Information

Explanation

IBM WebSphere MQ listener <insert_3> created.

Response

None.

AMQ8627

IBM WebSphere MQ service object deleted.

Severity

0 : Information

Explanation

IBM WebSphere MQ service object <insert_3> deleted.

Response

None.

AMQ8628

IBM WebSphere MQ listener object deleted.

Severity

0 : Information

Explanation

IBM WebSphere MQ listener object <insert_3> deleted.

Response

None.

AMQ8629

Display service information details.

Severity

0 : Information

Explanation

The MQSC DISPLAY SERVICE command completed successfully. Details follow this message.

Response

None.

AMQ8630

Display listener information details.

Severity

0 : Information

Explanation

The MQSC DISPLAY LISTENER command completed successfully. Details follow this message.

Response

None.

AMQ8631

Display listener status details.

Severity

0 : Information

Explanation

The MQSC DISPLAY LSSTATUS command completed successfully. Details follow this message.

AMQ8632

Display service status details.

Severity

0 : Information

Explanation

The MQSC DISPLAY SVSTATUS command completed successfully. Details follow this message.

AMQ8633

Display topic details.

Severity

0 : Information

Explanation

The MQSC DISPLAY TOPIC command completed successfully. Details follow this message.

AMQ8634 (Tandem)

Message Overflow file could not be created for queue <insert_1>

Severity

0 : Information

Explanation

When attempting to create a file to hold a large message (a message larger than the message overflow threshold for the queue) the Queue Manager was unable to identify a unique filename for the file. This is probably caused by too many existing large messages for the queue, or for the queue manager as a whole if the default location for large message storage is being used.

Response

Use altmqfls to change the subvolume for large message storage for this Queue.

AMQ8635 (Tandem)

A Queue Server has ended normally.

Severity

0 : Information

Explanation

A Queue Server in CPU <insert_1> has ended normally. The process was named <insert_3>.

Response

None.

AMQ8636 (Tandem)

A Queue Server has ended with errors.

Severity

0 : Information

Explanation

A Queue Server in CPU <insert_1> has ended with errors. The process was named <insert_3>. The error return code reported by the Queue Server is <insert_2>. The Queue Server should be restarted automatically by the Queue Manager.

Response

Verify that the Queue Server has restarted correctly. Examine the Queue Manager FD subvolume for FFST files that may have been generated by the Queue Server. Use the process name to locate the relevant FFSTs. Attempt to reconstruct the chain of events or symptoms that lead to the failure and save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ8637 (Tandem)

A Queue Server has detected a CPU failure.

Severity

0 : Information

Explanation

The Queue Server process <insert_3> has detected that CPU <insert_1> failed. If there were components of the Queue Manager that were running in this CPU, they will now no longer be available, and application connections and channels may be dropped. The Queue Manager should continue to be available to new connections and channels. Any Status Server and Queue Server processes that were running in that CPU will be replaced in other available CPUs.

Response

None normally necessary. Applications could experience the reason code MQRC_CONNECTION_BROKEN (2009) from MQI operations in progress that used agent processes running in the failed CPUs, but they should be able to immediately re-connect successfully.

AMQ8638 (Tandem)

A Queue Server completed takeover processing.

Severity

0 : Information

Explanation

The Queue Server process <insert_3> has completed processing that was associated with a prior takeover from a failed primary Queue Server process, or the failure of the CPU that it was running in. Normal processing resumes after this point, and the Queue Server is again in a state where it is resilient to any single point of failure.

Response

None normally necessary. This message is logged to provide positive confirmation that the takeover is complete.

AMQ8639 (Tandem)

A Queue Server processed expired messages.

Severity

0 : Information

Explanation

The Queue Server process <insert_3> detected and processed <insert_1> messages that have expired.

Response

None normally necessary. This message is logged to provide information about the number of messages that expire for each Queue Server. If performance degradation is experienced for a particular Queue Server, verify that there are not an excessively large number of expired messages having to be processed by that Queue Server process.

AMQ8640 (Tandem)

Signal delivery timeout expired for an MQGET.

Severity

0 : Information

Explanation

The Queue Server process <insert_3> failed to open and send a signal to the application process <insert_4> within the timeout allowed for signal delivery. The MQGET with the MQGMO_SET_SIGNAL option issued by the application has been canceled by the Queue Server, but no notification can be delivered to the application.

Response

Manual intervention with the application may be necessary to ensure that it resumes normal processing. No further notification will be delivered to the application relating to the MQGET call that established the signal. The application can re-open the queue and re-issue the MQGET call to recover from this situation.

AMQ8641 (Tandem)

Signal delivery open error for an MQGET.

Severity

0 : Information

Explanation

The Queue Server process <insert_3> failed to open the application process <insert_4> in order to deliver a signal IPC. The file system error number was <insert_1>. The MQGET with the MQGMO_SET_SIGNAL option issued by the application has been canceled by the Queue Server, but no notification can be delivered to the application.

Response

Manual intervention with the application may be necessary to ensure that it resumes normal processing. No further notification will be delivered to the application relating to the MQGET call that established the signal. The application can re-open the queue and re-issue the MQGET call to recover from this situation.

AMQ8642 (Tandem)

Signal delivery error for an MQGET.

Severity

0 : Information

Explanation

The Queue Server process <insert_3> failed to deliver a signal IPC to the application process <insert_4>. The file system error number was <insert_1>. The MQGET with the MQGMO_SET_SIGNAL option issued by the application has been canceled by the Queue Server, but no notification can be delivered to the application.

Response

Manual intervention with the application may be necessary to ensure that it resumes normal processing. No further notification will be delivered to the application relating to the MQGET call that established the signal. The application can re-open the queue and re-issue the MQGET call to recover from this situation.

AMQ8643 (Tandem)

Signal delivery canceled for an MQGET.

Severity

0 : Information

Explanation

The Queue Server process <insert_3> was required to terminate an MQGET with the MQGMO_SET_SIGNAL option before the specified Waitinterval expired but failed to open the application process <insert_4> in order to deliver a signal IPC. The MQGET with the MQGMO_SET_SIGNAL option issued by the application has been canceled by the Queue Server, but no notification can be delivered to the application.

Response

Manual intervention with the application may be necessary to ensure that it resumes normal processing. No further notification will be delivered to the application relating to the MQGET call that established the signal. The application can re-open the queue and re-issue the MQGET call to recover from this situation.

AMQ8644 (Tandem)

Queue Server memory threshold exceeded.

Severity

0 : Information

Explanation

The Queue Server process <insert_3> reached the threshold memory usage (<insert_1> bytes) at which unused queues are eligible for unloading to disk.

Response

Verify that the Queue Server is not overloaded with queues, or that messages are not building up unexpectedly on queues supported by the Queue Server.

AMQ8645 (Tandem)

Memory usage for Queue Server now below threshold.

Severity

0 : Information

Explanation

The memory usage of Queue Server process <insert_3> has now reduced to below the threshold (<insert_1> bytes) at which unused queues are unloaded to disk.

Response

None.

AMQ8646 (Tandem)

NonStop TM/MP reports transactions disabled

Severity

0 : Information

Explanation

The Queue Server <insert_3> has detected that the Compaq NonStop TM/MP has disabled transactions on the NSK system. The Queue Servers in the Queue Manager will no longer accept MQPUT or non-browse MQGET operations on Persistent messages, or any sync point operation. Attempts to perform operations on persistent messages will be rejected with the reason code MQRC_SYNCPOINT_NOT_AVAILABLE.

Response

NonStop TM/MP is a critical resource for MQSeries. Immediately determine the cause using system utilities and rectify.

AMQ8647 (Tandem)

NonStop TM/MP reports transactions enabled

Severity

0 : Information

Explanation

The Queue Server <insert_3> has detected that the Compaq NonStop TM/MP transactions are enabled on the NSK system.

Response

No action is normally necessary. If transactions were previously disabled, this message indicates that the system has returned to normal operation.

AMQ8648 (Tandem)

A Queue Server has started

Severity

0 : Information

Explanation

A Queue Server in CPU <insert_1> has started. The process is named <insert_3>.

Response

None.

AMQ8649

Reset IBM WebSphere MQ Queue Manager accepted.

Severity

0 : Information

Explanation

The MQSC RESET QMGR command completed successfully. Details follow this message.

Response

None.

AMQ8650

Activity information unavailable.

Severity

0 : Information

Explanation

The DSPMQRTE command was expecting activity information but it was unavailable. This does not always constitute an error. Reasons why the activity information is unavailable include the following:

- 1) One of the queue managers on the route did not support trace-route messaging.
- 2) One of the queue managers on the route did not allow route information to be returned to the reply queue. See the documentation on the ActivityRecording and TraceRouteRecording queue manager attributes for more details.
- 3) The report could not find route back to the reply queue.

Response

Try and determine whether the activity information should have been available. Running the command with the 'outline' verbosity option (used with the -v flag) may be useful in determining where the message was when the activity information was generated.

AMQ8650 (IBM i)

Activity information unavailable.

Severity

0 : Information

Explanation

The DSPMQMRTE command was expecting activity information but it was unavailable. This does not always constitute an error. Reasons why the activity information is unavailable include the following:

- 1) One of the queue managers on the route did not support trace-route messaging.
- 2) One of the queue managers on the route did not allow route information to be returned to the reply queue. See the documentation on the ActivityRecording and TraceRouteRecording queue manager attributes for more details.
- 3) The report could not find route back to the reply queue.

Response

Try and determine whether the activity information should have been available. Running the command with DSPINF(*ALL) may be useful in determining where the message was when the activity information was generated.

AMQ8651

DSPMQRTE command has finished with errors.

Severity

0 : Information

Explanation

The DSPMQRTE command has finished processing your request but an execution error was detected. Previous messages issued by the command can be used to identify the error.

Response

Refer to previous messages issued by the command.

AMQ8651 (IBM i)

DSPMQRTE command has finished with errors.

Severity

0 : Information

Explanation

The DSPMQRTE command has finished processing your request but an execution error was detected. Previous messages issued by the command can be used to identify the error.

Response

Refer to previous messages issued by the command.

AMQ8652

DSPMQRTE command has finished.

Severity

0 : Information

Explanation

The DSPMQRTE command has finished processing your request and no execution errors were detected.

Response

None.

AMQ8652 (IBM i)

DSPMQRTE command has finished.

Severity

0 : Information

Explanation

The DSPMQRTE command has finished processing your request and no execution errors were detected.

Response

None.

AMQ8653

DSPMQRTE command started with options <insert_3>.

Severity

0 : Information

Explanation

You have started the DSPMQRTE command with command line options <insert_3> and the command is now processing your request.

Response

Wait for the command to finish processing your request. Any further messages that are issued can be used to determine the outcome of the request.

AMQ8653 (IBM i)

DSPMQMRTE command started.

Severity

0 : Information

Explanation

You have started the DSPMQMRTE command and the command is now processing your request.

Response

Wait for the command to finish processing your request. Any further messages that are issued can be used to determine the outcome of the request.

AMQ8654

Trace-route message arrived on queue manager <insert_3>.

Severity

0 : Information

Explanation

The DSPMQMRTE command has received confirmation of the successful arrival of the trace-route message at its destination queue on queue manager <insert_3>.

Response

None.

AMQ8654 (IBM i)

Trace-route message arrived on queue manager <insert_3>.

Severity

0 : Information

Explanation

The DSPMQMRTE command has received confirmation of the successful arrival of the trace-route message at its destination queue on queue manager <insert_3>.

Response

None.

AMQ8655

Trace-route message expired.

Severity

0 : Information

Explanation

The DSPMQMRTE command has received confirmation that the trace-route message has expired.

Response

The expiry interval of trace-route messages generated by the DSPMQMRTE command can be altered using the -xs option if this is required.

AMQ8655 (IBM i)

Trace-route message expired.

Severity

0 : Information

Explanation

The DSPMQMRTE command has received confirmation that the trace-route message has expired.

Response

The expiry interval of trace-route messages generated by the DSPMQMRTE command can be altered using the EXPIRY parameter if this is required.

AMQ8656

DSPMQMRTE command received an exception report from queue manager <insert_4> with feedback <insert_1> <insert_3>.

Severity

0 : Information

Explanation

The DSPMQRTE command trace-route message caused an exception on queue manager <insert_4>. The Feedback field in the report was <insert_1> or <insert_3>.

Response

Use the feedback given to determine why the trace-route message caused the exception.

AMQ8656 (IBM i)

DSPMQRTE command received an exception report from queue manager <insert_4> with feedback <insert_1> <insert_3>.

Severity

0 : Information

Explanation

The DSPMQRTE command trace-route message caused an exception on queue manager <insert_4>. The Feedback field in the report was <insert_1> or <insert_3>.

Response

Use the feedback given to determine why the trace-route message caused the exception.

AMQ8657

DSPMQRTE command used <insert_3> 0x<insert_4>.

Severity

0 : Information

Explanation

You started the DSPMQRTE command specifying that it should generate a trace-route message. This took place and the trace-route message had <insert_3> X<insert_4>.

Response

The <insert_3> can be used to retrieve responses to this trace-route request. Run the DSPMQRTE command again specifying this identifier with the -i flag and with the target queue specified as the queue where the responses are expected to return or where the trace-route message is expected to have arrived. This may be on another queue manager.

AMQ8657 (IBM i)

DSPMQRTE command used <insert_3> 0x<insert_4>.

Severity

0 : Information

Explanation

You started the DSPMQRTE command specifying that it should generate a trace-route message. This took place and the trace-route message had <insert_3> X<insert_4>.

Response

The <insert_3> can be used to retrieve responses to this trace-route request. Run the DSPMQRTE command again specifying this identifier for CRLID and with the target queue specified as the queue where the responses are expected to return or where the trace-route message is expected to have arrived. This may be on another queue manager.

AMQ8658

DSPMQRTE command failed to put a message to the specified target.

Severity

0 : Information

Explanation

The request for the DSPMQRTE command to put a trace-route message was unsuccessful. Previous messages issued by the command can be used to identify why the message could not be put.

Response

Refer to previous messages issued by the command.

AMQ8658 (IBM i)

DSPMQRTE command failed to put a message on the target queue.

Severity

0 : Information

Explanation

The request for the DSPMQMRTE command to put a trace-route message on the target queue was unsuccessful. Previous messages issued by the command can be used to identify why the message could not be put on the target queue.

Response

Refer to previous messages issued by the command.

AMQ8659

DSPMQMRTE command successfully put a message on queue <insert_3>, queue manager <insert_4>.

Severity

0 : Information

Explanation

The request for the DSPMQMRTE command to put a message on the target queue was successful. The target queue resolved to <insert_3> on queue manager <insert_4>.

Response

None.

AMQ8659 (IBM i)

DSPMQMRTE command successfully put a message on queue <insert_3>, queue manager <insert_4>.

Severity

0 : Information

Explanation

The request for the DSPMQMRTE command to put a message on the target queue was successful. The target queue resolved to <insert_3> on queue manager <insert_4>.

Response

None.

AMQ8660

DSPMQMRTE command could not correctly order the following activities:

Severity

0 : Information

Explanation

The DSPMQMRTE command received the following activities, but they could not be printed in the correct order. This is commonly because an activity report has been received that does not contain a TraceRoute PCF group or is missing the RecordedActivities parameter which would allow it to be ordered correctly.

Response

Find and correct the application that is generating activity reports without the necessary information for them to be ordered correctly.

AMQ8660 (IBM i)

DSPMQMRTE command could not correctly order the following activities:

Severity

0 : Information

Explanation

The DSPMQMRTE command received the following activities, but they could not be printed in the correct order. This is commonly because an activity report has been received that does not contain a TraceRoute PCF group or is missing the RecordedActivities parameter which would allow it to be ordered correctly.

Response

Find and correct the application that is generating activity reports without the necessary information for them to be ordered correctly.

AMQ8661

DSPMQRTE command will not put to queue <insert_3>, queue manager <insert_4>.

Severity

20 : Error

Explanation

You started the DSPMQRTE command specifying that the trace-route message must not be delivered to a local queue (-d yes was not specified). However, it has been determined that the target queue does not resolve to a transmission queue. Therefore the DSPMQRTE command has chosen not to put the trace-route message to the target queue <insert_3> on queue manager <insert_4>.

Response

Determine whether it was expected that the target queue would resolve to a local queue.

AMQ8661 (IBM i)

DSPMQMRTE command will not put to queue <insert_3>, queue manager <insert_4>.

Severity

20 : Error

Explanation

You started the DSPMQMRTE command specifying that the trace-route message must not be delivered to a local queue (DLVRMSG(*NO) was specified). However, it has been determined that the target queue does not resolve to a transmission queue. Therefore the DSPMQMRTE command has chosen not to put the trace-route message to the target queue <insert_3> on queue manager <insert_4>.

Response

Determine whether it was expected that the target queue would resolve to a local queue.

AMQ8662

Trace-route message delivered on queue manager <insert_3>.

Severity

0 : Information

Explanation

The DSPMQRTE command has received confirmation of the successful delivery of the trace-route message on queue manager <insert_3> to a requesting application.

Response

None.

AMQ8662 (IBM i)

Trace-route message delivered on queue manager <insert_3>.

Severity

0 : Information

Explanation

The DSPMQMRTE command has received confirmation of the successful delivery of the trace-route message on queue manager <insert_3> to a requesting application.

Response

None.

AMQ8663

Client connection not supported in this environment.

Severity

20 : Error

Explanation

An attempt was made to connect to a queue manager using a client connection. However, client connections are not supported in your environment.

Response

Connect to the queue manager using a server connection.

AMQ8664

DSPMQRTE command could not connect to queue manager <insert_3>.

Severity

20 : Error

Explanation

You started the DSPMQRTE command specifying that it should connect to queue manager <insert_3>. The command could not connect to that queue manager. Previous messages issued by the command can be used to identify the error.

Response

Refer to previous messages issued by the command.

AMQ8664 (IBM i)

DSPMQMRTE command could not connect to queue manager <insert_3>.

Severity

20 : Error

Explanation

You started the DSPMQMRTE command specifying that it should connect to queue manager <insert_3>. The command could not connect to that queue manager. Previous messages issued by the command can be used to identify the error.

Response

Refer to previous messages issued by the command.

AMQ8665

DSPMQRTE command was supplied an invalid CorrelId <insert_3>.

Severity

20 : Error

Explanation

You started the DSPMQRTE command specifying option -i with a CorrelId <insert_3> that was invalid. The CorrelId was either too long or not in the correct format.

Response

Refer to the command syntax, and then try the command again.

AMQ8665 (IBM i)

DSPMQMRTE command was supplied an invalid CorrelId <insert_3>.

Severity

20 : Error

Explanation

You started the DSPMQMRTE command specifying CRLIID with a CorrelId <insert_3> that was invalid.

Response

Refer to the command syntax, and then try the command again.

AMQ8666

Queue <insert_3> on queue manager <insert_4>.

Severity

0 : Information

Explanation

The DSPMQRTE command trace-route message has been confirmed as having taken a route involving queue <insert_3> on queue manager <insert_4> in an attempt to reach the destination queue.

Response

Wait for subsequent messages which may indicate other queues or topics which the resultant message has been routed through.

AMQ8666 (IBM i)

Queue <insert_3> on queue manager <insert_4>.

Severity

0 : Information

Explanation

The DSPMQMRTE command trace-route message has been confirmed as having taken a route involving queue <insert_3> on queue manager <insert_4> in an attempt to reach the destination queue.

Response

Wait for subsequent messages which may indicate another queue which the message has been routed through.

AMQ8667

DSPMQRTE command could not open reply queue <insert_3>, queue manager <insert_4>.

Severity

20 : Error

Explanation

You started the DSPMQRTE command specifying reply queue <insert_3>. However the DSPMQRTE command could not successfully open a queue of that name on queue manager <insert_4>. Previous messages issued by the command can be used to identify the error. If the -rq option was not specified then the reply queue will be a temporary dynamic queue modelled on SYSTEM.DEFAULT.MODEL.QUEUE.

Response

Refer to previous messages issued by the command. Specify a reply queue that can be opened and then retry the command.

AMQ8667 (IBM i)

DSPMQMRTE command could not open reply queue <insert_3>, queue manager <insert_4>.

Severity

20 : Error

Explanation

You started the DSPMQMRTE command specifying reply queue <insert_3>. However the DSPMQMRTE command could not successfully open a queue of that name on queue manager <insert_4>. Previous messages issued by the command can be used to identify the error. If the RPLYQ parameter was not specified then the reply queue will be a temporary dynamic queue modelled on SYSTEM.DEFAULT.MODEL.QUEUE.

Response

Refer to previous messages issued by the command. Specify a reply queue that can be opened and then retry the command.

AMQ8668

DSPMQRTE command could not open queue <insert_3>, queue manager <insert_4>.

Severity

20 : Error

Explanation

You started the DSPMQRTE command specifying queue <insert_3>, using the -q option. However the DSPMQRTE command could not successfully open a queue of that name on queue manager <insert_4>. Previous messages issued by the command can be used to identify the error.

Response

Refer to previous messages issued by the command. Specify a queue, using the -q option, that can be opened and then retry the command.

AMQ8668 (IBM i)

DSPMQMRTE command could not open queue <insert_3>, queue manager <insert_4>.

Severity

20 : Error

Explanation

You started the DSPMQMRTE command specifying queue *<insert_3>* for the QNAME parameter. However the DSPMQMRTE command could not successfully open a queue of that name on queue manager *<insert_4>*. Previous messages issued by the command can be used to identify the error.

Response

Refer to previous messages issued by the command. Specify a queue, using the QNAME parameter, that can be opened and then retry the command.

AMQ8669

DSPMQMRTE command failed to resolve queue manager *<insert_3>* on queue manager *<insert_4>*.

Severity

20 : Error

Explanation

The DSPMQMRTE command attempted to resolve queue manager *<insert_3>* (supplied by the -qm option) on queue manager *<insert_4>* but the attempt failed. The queue specified by the -q option could not be opened.

Response

Ensure that queue manager *<insert_3>* can be resolved on queue manager *<insert_4>* or specify a different queue manager with the -qm option. Retry the command.

AMQ8669 (IBM i)

DSPMQMRTE command failed to resolve queue manager *<insert_3>* on queue manager *<insert_4>*.

Severity

20 : Error

Explanation

The DSPMQMRTE command attempted to resolve queue manager *<insert_3>* (supplied by the TGTMQM parameter) on queue manager *<insert_4>* but the attempt failed. The queue specified by the QNAME parameter could not be opened.

Response

Ensure that queue manager *<insert_3>* can be resolved on queue manager *<insert_4>* or specify a different queue manager with the TGTMQM parameter. Retry the command.

AMQ8670

Loading of server module *<insert_3>* failed.

Severity

20 : Error

Explanation

An attempt to dynamically load the server module *<insert_3>* failed. Typically this is because only the client modules are installed.

Response

Check which modules are installed and retry the command with the -c option specified if applicable.

AMQ8671

DSPMQMRTE command was not supplied a reply queue when one was required.

Severity

20 : Error

Explanation

The DSPMQMRTE command was expecting a reply queue specified by the -rq option but no reply queue was specified. Specifying a reply queue is mandatory if both the -n (no display) option and a response generating option (-ar or -ro [activity|coa|cod|exception|expiration]) is specified.

Response

Specify a reply queue and retry the command.

AMQ8672

DSPMQMRTE command failed to get a message from queue *<insert_3>*, queue manager *<insert_4>*.

Severity

20 : Error

Explanation

The DSPMQMRTTE command attempted to get a message from queue *<insert_3>*, queue manager *<insert_4>*, but the attempt failed. Previous messages issued by the command can be used to identify the error.

Response

Refer to previous messages issued by the command.

AMQ8672 (IBM i)

DSPMQMRTTE command failed to get a message from queue *<insert_3>*, queue manager *<insert_4>*.

Severity

20 : Error

Explanation

The DSPMQMRTTE command attempted to get a message from queue *<insert_3>*, queue manager *<insert_4>*, but the attempt failed. Previous messages issued by the command can be used to identify the error.

Response

Refer to previous messages issued by the command.

AMQ8673

DSPMQMRTTE command was supplied option *<insert_3>* with an invalid object name *<insert_4>*.

Severity

20 : Error

Explanation

You started the DSPMQMRTTE command specifying option *<insert_3>* with an object name *<insert_4>* that is invalid. In general, the names of IBM WebSphere MQ objects can have up to 48 characters. An object name can contain the following characters:

- 1) Uppercase alphabetic characters (A through Z).
- 2) Lowercase alphabetic characters (a through z).
- 3) Numeric digits (0 through 9).
- 4) Period (.), forward slash (/), underscore (_), percent (%).

See the IBM WebSphere MQ System Administration documentation for further details and restrictions.

Response

Specify a valid object name and then try the command again.

AMQ8673 (IBM i)

DSPMQMRTTE command was supplied with an invalid object name *<insert_4>*.

Severity

20 : Error

Explanation

You started the DSPMQMRTTE command specifying an object name *<insert_4>* that is invalid. In general, the names of IBM WebSphere MQ objects can have up to 48 characters. An object name can contain the following characters:

- 1) Uppercase alphabetic characters (A through Z).
- 2) Lowercase alphabetic characters (a through z).
- 3) Numeric digits (0 through 9).
- 4) Period (.), forward slash (/), underscore (_), percent (%).

See the IBM WebSphere MQ System Administration documentation for further details and restrictions.

Response

Specify a valid object name and then try the command again.

AMQ8674

DSPMQRTE command is now waiting for information to display.

Severity

0 : Information

Explanation

The DSPMQRTE command has successfully generated and put the trace-route message and is now waiting for responses to be returned to the reply queue to indicate the route that the trace-route message took to its destination.

Response

Wait for responses to be returned to the reply queue and for the information about the route to be displayed.

AMQ8674 (IBM i)

DSPMQMRTE command is now waiting for information to display.

Severity

0 : Information

Explanation

The DSPMQMRTE command has successfully generated and put the trace-route message and is now waiting for responses to be returned to the reply queue to indicate the route that the trace-route message took to its destination.

Response

Wait for responses to be returned to the reply queue and for the information about the route to be displayed.

AMQ8675

DSPMQRTE command was supplied an invalid option *<insert_3>*.

Severity

20 : Error

Explanation

You started the DSPMQRTE command specifying an option of *<insert_3>* that was not recognized. The command will end.

Response

Refer to the command syntax and retry the command.

AMQ8676

DSPMQRTE command was supplied an invalid combination of options.

Severity

20 : Error

Explanation

You started the DSPMQRTE command specifying a combination of the options that is not valid. Only one of -ts or -q must be specified. The -i option cannot be specified with one or more of the following options: -ac, -ar, -d, -f, -l, -n, -o, -p, -qm, -ro, -rq, -rqm, -s, -t, -xs, -xp. The -n option cannot be specified with one or more of the following options: -b, -i, -v, -w. The -ar option can only be specified if the -ac option has also been specified. The -rqm option can only be specified if the -rq option has also been specified.

Response

Refer to the command documentation and then try the command again.

AMQ8677

DSPMQRTE command was supplied an option *<insert_3>* with conflicting values.

Severity

20 : Error

Explanation

You started the DSPMQRTE command specifying values for option *<insert_3>* that conflict. At least two values were specified for the same option but they conflict with each other. The DSPMQRTE command will end.

Response

Refer to the command syntax and then try the command again.

AMQ8677 (IBM i)

DSPMQRTE command was supplied a parameter with conflicting values.

Severity

20 : Error

Explanation

You started the DSPMQRTE command specifying values that conflict. At least two values were specified for the same parameter but they conflict with each other. The DSPMQRTE command will end.

Response

Refer to the command syntax and then try the command again.

AMQ8678

DSPMQRTE command was supplied option *<insert_3>* with an invalid value *<insert_4>*.

Severity

20 : Error

Explanation

You started the DSPMQRTE command specifying an invalid option value. The *<insert_4>* value for option *<insert_3>* is either not recognized or of an incorrect format.

Response

Refer to the command syntax, and then try the command again.

AMQ8678 (IBM i)

DSPMQRTE command was supplied an invalid value *<insert_4>*.

Severity

20 : Error

Explanation

You started the DSPMQRTE command specifying an invalid parameter value. Value *<insert_4>* is either not recognized or of an incorrect format.

Response

Refer to the command syntax, and then try the command again.

AMQ8679

Persistent messages not allowed on reply queue *<insert_3>*, queue manager *<insert_4>*.

Severity

20 : Error

Explanation

It was specified that the DSPMQRTE command should put a persistent trace-route message on the target queue (see the documentation for the -l option). However, persistent messages are not allowed on the reply queue because it is a temporary dynamic queue and persistent responses were expected to return to it. The trace-route message was not put on the target queue.

Response

Ensure that the reply queue is not a temporary dynamic queue. Use the -rq option to specify the reply queue.

AMQ8679 (IBM i)

Persistent messages not allowed on reply queue *<insert_3>*, queue manager *<insert_4>*.

Severity

20 : Error

Explanation

It was specified that the DSPMQMRTE command should put a persistent trace-route message on the target queue (see the documentation for the MSGPST parameter). However, persistent messages are not allowed on the reply queue because it is a temporary dynamic queue and persistent responses were expected to return to it. The trace-route message was not put on the target queue.

Response

Ensure that the reply queue is not a temporary dynamic queue. Use the RPLYQ parameter to specify the reply queue.

AMQ8680

DSPMQMRTE command failed to open queue manager <insert_3>.

Severity

20 : Error

Explanation

The DSPMQMRTE command tried to open queue manager <insert_3> for inquire but the open failed. Previous messages issued by the command can be used to identify the error.

Response

Refer to previous messages issued by the command.

AMQ8680 (IBM i)

DSPMQMRTE command failed to open queue manager <insert_3>.

Severity

20 : Error

Explanation

The DSPMQMRTE command tried to open queue manager <insert_3> for inquire but the open failed. Previous messages issued by the command can be used to identify the error.

Response

Refer to previous messages issued by the command.

AMQ8681

DSPMQMRTE command has detected an error, reason <insert_1> <insert_3>.

Severity

20 : Error

Explanation

The DSPMQMRTE command has detected an error from an MQI call during the execution of your request. The reason for failure is <insert_1> or <insert_3>.

Response

See the IBM WebSphere MQ Messages documentation for an explanation of the reason for failure. Follow any correction action and retry the command.

AMQ8681 (IBM i)

DSPMQMRTE command has detected an error, reason <insert_1> <insert_3>.

Severity

20 : Error

Explanation

The DSPMQMRTE command has detected an error from an MQI call during the execution of your request. The reason for failure is <insert_1> or <insert_3>.

Response

See the IBM WebSphere MQ Messages documentation for an explanation of the reason for failure. Follow any correction action and retry the command.

AMQ8682

Trace-route message processed by application <insert_3> on queue manager <insert_4>.

Severity

0 : Information

Explanation

The DSPMQRTE command successfully put a trace-route message on the target queue and it was then delivered by queue manager <insert_4> to application <insert_3> which processed the message.

Response

Determine if it was expected that this application would process the trace-route message.

AMQ8682 (IBM i)

Trace-route message processed by application <insert_3> on queue manager <insert_4>.

Severity

0 : Information

Explanation

The DSPMQRTE command successfully put a trace-route message on the target queue and it was then delivered by queue manager <insert_4> to application <insert_3> which processed the message.

Response

Determine if it was expected that this application would process the trace-route message.

AMQ8683

Trace-route message reached the maximum activities limit of <insert_1>.

Severity

0 : Information

Explanation

The DSPMQRTE command trace-route message was rejected after the number of activities of which it was a participant reached the maximum activities limit. The limit was set to <insert_1>. The maximum activities limit is set using the -s option.

Response

Using the output from the command determine whether it is expected that the trace-route message should have reached the maximum activities limit.

AMQ8683 (IBM i)

Trace-route message reached the maximum activities limit of <insert_1>.

Severity

0 : Information

Explanation

The DSPMQRTE command trace-route message was rejected after the number of activities of which it was a participant reached the maximum activities limit. The limit was set to <insert_1>. The maximum activities limit is set using the MAXACTS parameter.

Response

Using the output from the command determine whether it is expected that the trace-route message should have reached the maximum activities limit.

AMQ8684

Trace-route message reached trace-route incapable queue manager <insert_3>.

Severity

0 : Information

Explanation

The DSPMQRTE command trace-route message was rejected because it was about to be sent to a queue manager which does not support trace-route messaging. This behaviour was requested because the forwarding options specified on the command only allowed the trace-route message to be forwarded to queue managers which support trace-route messaging. Sending a trace-route message to a queue manager which cannot process it in accordance with its specified options could cause undesirable results, including having the trace-route message be put to a local queue on the remote queue manager. If this is acceptable then the '-f all' option can be specified.

Response

Retry the command with different forwarding options, if appropriate.

AMQ8684 (IBM i)

Trace-route message reached trace-route incapable queue manager <insert_3>.

Severity

0 : Information

Explanation

The DSPMQMRTE command trace-route message was rejected because it was about to be sent to a queue manager which does not support trace-route messaging. This behaviour was requested because the forwarding options specified on the command only allowed the trace-route message to be forwarded to queue managers which support trace-route messaging. Sending a trace-route message to a queue manager which cannot process it in accordance with its specified options could cause undesirable results, including having the trace-route message be put to a local queue on the remote queue manager. If this is acceptable then FWDMSG(*ALL) can be specified.

Response

Retry the command with different forwarding options, if appropriate.

AMQ8685

Trace-route message rejected due to invalid forwarding options X<insert_1>.

Severity

20 : Error

Explanation

The DSPMQMRTE command trace-route message was rejected because one or more of the forwarding options was not recognized and it was in the MQROUTE_FORWARD_REJ_UNSUP_MASK bitmask. The forwarding options, when they were last observed, in hexadecimal were X<insert_1>.

Response

Change the application that inserted the forwarding options that were not recognized to insert valid and supported forwarding options.

AMQ8685 (IBM i)

Trace-route message rejected due to invalid forwarding options X<insert_1>.

Severity

20 : Error

Explanation

The DSPMQMRTE command trace-route message was rejected because one or more of the forwarding options was not recognized and it was in the MQROUTE_FORWARD_REJ_UNSUP_MASK bitmask. The forwarding options, when they were last observed, in hexadecimal were X<insert_1>.

Response

Change the application that inserted the forwarding options that were not recognized to insert valid and supported forwarding options.

AMQ8686

Trace-route message rejected due to invalid delivery options X<insert_1>.

Severity

20 : Error

Explanation

The DSPMQMRTE command trace-route message was rejected because one or more of the delivery options was not recognized and it was in the MQROUTE_DELIVER_REJ_UNSUP_MASK bitmask. The delivery options, when they were last observed, in hexadecimal were X<insert_1>.

Response

Change the application that inserted the delivery options that were not recognized to insert valid and supported delivery options.

AMQ8686 (IBM i)

Trace-route message rejected due to invalid delivery options X<insert_1>.

Severity

20 : Error

Explanation

The DSPMQMRTE command trace-route message was rejected because one or more of the delivery options was not recognized and it was in the MQROUTE_DELIVER_REJ_UNSUP_MASK bitmask. The delivery options, when they were last observed, in hexadecimal were X<insert_1>.

Response

Change the application that inserted the delivery options that were not recognized to insert valid and supported delivery options.

AMQ8687

Program ending.

Severity

0 : Information

Explanation

The program operation was interrupted by a SIGINT signal on UNIX systems or a CTRL+c/ CTRL+BREAK signal on Windows systems. The program is now ending.

Response

Wait for the program to end.

AMQ8688

DSPMQMRTE command has detected an unexpected error, reason <insert_1> <insert_3>.

Severity

20 : Error

Explanation

The DSPMQMRTE command has detected an unexpected error during execution of your request. The reason for failure is <insert_1> or <insert_3>. The IBM WebSphere MQ error recording routine has been called.

Response

Use the standard facilities supplied with your system to record the problem identifier and to save any generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ8688 (IBM i)

DSPMQMRTE command has detected an unexpected error, reason <insert_1> <insert_3>.

Severity

20 : Error

Explanation

The DSPMQMRTE command has detected an unexpected error during execution of your request. The reason for failure is <insert_1> or <insert_3>. The IBM WebSphere MQ error recording routine has been called.

Response

Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ8689

Loading of client module <insert_3> failed.

Severity

20 : Error

Explanation

An attempt to dynamically load the client module *<insert_3>* failed. Typically this is because the client modules are not installed.

Response

Check which modules are installed and retry the command without the -c option specified, if applicable.

AMQ8690

IBM WebSphere MQ topic created.

Severity

0 : Information

Explanation

IBM WebSphere MQ topic *<insert_3>* created.

Response

None.

AMQ8691

IBM WebSphere MQ topic changed.

Severity

0 : Information

Explanation

IBM WebSphere MQ topic *<insert_5>* changed.

Response

None.

AMQ8692

IBM WebSphere MQ topic object deleted.

Severity

0 : Information

Explanation

IBM WebSphere MQ topic object *<insert_3>* deleted.

Response

None.

AMQ8694

DSPMQRTE command successfully put a message to topic string *<insert_3>*, queue manager *<insert_4>*.

Severity

0 : Information

Explanation

The request for the DSPMQRTE command to put a message was successful. The destination specified resolved to topic string *<insert_3>* on queue manager *<insert_4>*.

Response

None.

AMQ8695

Topic string *<insert_3>* on queue manager *<insert_4>*.

Severity

0 : Information

Explanation

The DSPMQRTE command trace-route message has been confirmed as having taken a route involving topic string *<insert_3>* on queue manager *<insert_4>*.

Response

Wait for subsequent messages which may indicate other queues or topics which the resultant messages have been routed through.

AMQ8696

DSPMQRTE command could not open topic string *<insert_3>*, queue manager *<insert_4>*.

Severity

20 : Error

Explanation

You started the DSPMQRTE command specifying topic string *<insert_3>*, using the *-ts* option. However the DSPMQRTE command could not successfully open that topic string on queue manager *<insert_4>*. Previous messages issued by the command can be used to identify the error.

Response

Refer to previous messages issued by the command. Specify a topic string, using the *-ts* option, that can be opened and then retry the command.

AMQ8697

DSPMQRTE command could not open topic *<insert_3>*, queue manager *<insert_4>*.

Severity

20 : Error

Explanation

You started the DSPMQRTE command specifying topic *<insert_3>*, using the *-to* option. However the DSPMQRTE command could not successfully open a topic object of that name on queue manager *<insert_4>*. Previous messages issued by the command can be used to identify the error.

Response

Refer to previous messages issued by the command. Specify a topic, using the *-to* option, that can be opened and then retry the command.

AMQ8698

Too many keywords have been specified.

Severity

0 : Information

Explanation

Too many keywords for the command have been specified.

Response

None

AMQ8701

Usage: rcdmqimg [-z] [-l] [-m QMgrName] -t ObjType [GenericObjName]

Severity

0 : Information

Explanation

None.

Response

None.

AMQ8702

Usage: rcrmobj [-z] [-m QMgrName] -t ObjType [GenericObjName]

Severity

0 : Information

Explanation

None.

Response

None.

AMQ8703

Usage: dspmqfls [-m QMgrName] [-t ObjType] GenericObjName

Severity

0 : Information

Explanation

None.

Response

None.

AMQ8704 (Tandem)

Usage: altmqfls [--qmgr QMgrName] [--type ObjType] [--volume Volume] [-server ServerName] [--qsoptions options] [--msgofthresh Threshold] [--browse Bytes] [--meascount counter] [--qsize (primaryextent,secondaryextent, maxextents)] [--oflowsize (primaryextent,secondaryextent, maxextents)] ObjectName

Severity

0 : Information

Response

None.

AMQ8705

Display Queue Manager Status Details.

Severity

0 : Information

Explanation

The MQSC DISPLAY QMSTATUS command completed successfully. Details follow this message.

Response

None.

AMQ8706

Request to stop IBM WebSphere MQ Listener accepted.

Severity

0 : Information

Explanation

The channel listener program has been requested to stop. This command executes asynchronously so may complete after this message has been displayed.

Response

Further information on the progress of the request is available in the queue manager error log.

AMQ8707 (IBM i)

Start IBM WebSphere MQ DLQ Handler

Severity

0 : Information

AMQ8708

Dead-letter queue handler started to process INPUTQ(<insert_3>).

Severity

0 : Information

Explanation

The dead-letter queue handler (runmqdlq) has been started and has parsed the input file without detecting any errors and is about to start processing the queue identified in the message.

Response

None.

AMQ8708 (IBM i)

Dead-letter queue handler started to process INPUTQ(<insert_3>).

Severity

0 : Information

Explanation

The dead-letter queue handler (STRMQMDLQ) has been started and has parsed the input file without detecting any errors and is about to start processing the queue identified in the message.

Response

None.

AMQ8709

Dead-letter queue handler ending.

Severity

0 : Information

Explanation

The dead-letter queue handler (runmqdlq) is ending because the WAIT interval has expired and there are no messages on the dead-letter queue, or because the queue manager is shutting down, or because the dead-letter queue handler has detected an error. If the dead-letter queue handler has detected an error, an earlier message will have identified the error.

Response

None.

AMQ8709 (IBM i)

Dead-letter queue handler ending.

Severity

0 : Information

Explanation

The dead-letter queue handler (STRMQMDLQ) is ending because the WAIT interval has expired and there are no messages on the dead-letter queue, or because the queue manager is shutting down, or because the dead-letter queue handler has detected an error. If the dead-letter queue handler has detected an error, an earlier message will have identified the error.

Response

None.

AMQ8710

Usage: runmqdlq [QName[QMgrName]].

Severity

0 : Information

Explanation

Syntax for the usage of runmqdlq.

Response

None.

AMQ8711 (IBM i)

Job <insert_3> has terminated unexpectedly.

Severity

10 : Warning

Explanation

Execution of the command <insert_5> caused job <insert_3> to be started, but the job terminated unexpectedly.

Response

Consult the log for job <insert_3> to determine why it was terminated.

AMQ8712

PubSub is disabled for this queue manager.

Severity

40 : Stop Error

Explanation

The queue manager configuration inhibits any publication or subscription commands.

Response

Check the queue manager options and ensure they are correct.

AMQ8721

Dead-letter queue message not prefixed by a valid MQDLH.

Severity

10 : Warning

Explanation

The dead-letter queue handler (runmqdlq) retrieved a message from the nominated dead-letter queue, but the message was not prefixed by a recognizable MQDLH. This typically occurs because an application is writing directly to the dead-letter queue but is not prefixing messages with a valid MQDLH. The message is left on the dead-letter queue and the dead-letter queue handler continues to process the dead-letter queue. Each time the dead-letter queue handler repositions itself to a position before this message to process messages that could not be processed on a previous scan it will reprocess the failing message and will consequently re-issue this message.

Response

Remove the invalid message from the dead-letter queue. Do not write messages to the dead-letter queue unless they have been prefixed by a valid MQDLH. If you require a dead-letter queue handler that can process messages not prefixed by a valid MQDLH, you must change the sample program called amqsdq to cater for your needs.

AMQ8721 (IBM i)

Dead-letter queue message not prefixed by a valid MQDLH.

Severity

10 : Warning

Explanation

The dead-letter queue handler (STRMQMDLQ) retrieved a message from the nominated dead-letter queue, but the message was not prefixed by a recognizable MQDLH. This typically occurs because an application is writing directly to the dead-letter queue but is not prefixing messages with a valid MQDLH. The message is left on the dead-letter queue and the dead-letter queue handler continues to process the dead-letter queue. Each time the dead-letter queue handler repositions itself to a position before this message to process messages that could not be processed on a previous scan it will reprocess the failing message and will consequently re-issue this message.

Response

Remove the invalid message from the dead-letter queue. Do not write messages to the dead-letter queue unless they have been prefixed by a valid MQDLH. If you require a dead-letter queue handler that can process messages not prefixed by a valid MQDLH, you must change the sample program called amqsdq to cater for your needs.

AMQ8722

Dead-letter queue handler unable to put message: Rule <insert_1> Reason <insert_2>.

Severity

10 : Warning

Explanation

This message is produced by the dead-letter queue handler when it is requested to redirect a message to another queue but is unable to do so. If the reason that the redirect fails is the same as the reason the message was put to the dead-letter queue then it is assumed that no new error has occurred and no message is produced. The retry count for the message will be incremented and the dead-letter queue handler will continue.

Response

Investigate why the dead-letter queue handler was unable to put the message to the dead-letter queue. The line number of the rule used to determine the action for the message should be used to help identify to which queue the dead-letter queue handler attempted to PUT the message.

AMQ8723

Display pub/sub status details.

Severity

0 : Information

Explanation

The MQSC DISPLAY PUBSUB command completed successfully. Details follow this message.

AMQ8724

Refresh IBM WebSphere MQ Queue Manager accepted.

Severity

0 : Information

Explanation

The MQSC REFRESH QMGR command completed successfully. Details follow this message.

Response

None.

AMQ8729

The listener could not be stopped at this time.

Severity

10 : Warning

Explanation

A request was made to stop a listener, however the listener could not be stopped at this time. Reasons why a listener could not be stopped are:

The listener has active channels and the communications protocol being used is LU 6.2, SPX or NETBIOS.

The listener has active channels and the communications protocol being used is TCP/IP and channel threads are restricted to run within the listener process.

Response

End the channels using the STOP CHANNEL command and reissue the request.

AMQ8730

Listener already active.

Severity

10 : Warning

Explanation

A request was made to start a listener, however the listener is already running and cannot be started.

Response

If you do not want the listener to be running, then use the STOP LISTENER command to stop the listener before reissuing the command.

AMQ8731

Listener not active.

Severity

10 : Warning

Explanation

A request was made to stop a listener, however the listener is not running.

Response

If the listener should be running then use the START LISTENER command to start the listener.

AMQ8732

Request to stop Service accepted.

Severity

0 : Information

Explanation

The Request to stop the Service has been accepted and is being processed.

Response

None.

AMQ8733

Request to start Service accepted.

Severity

0 : Information

Explanation

The Request to start the Service has been accepted and is being processed.

Response

None.

AMQ8734

Command failed - Program could not be started.

Severity

20 : Error

Explanation

The command requested was unsuccessful because the program which was defined to be run to complete the action could not be started.

Reasons why the program could not be started are

The program does not exist at the specified location.

The WebSphere MQ user does not have sufficient access to execute the program.

If STDOUT or STDERR are defined for the program, the IBM WebSphere MQ user does not have sufficient access to the locations specified.

Response

Check the Queue Manager error logs for further details on the cause of the failure and correct before reissuing the command.

AMQ8735

Command failed - Access denied.

Severity

20 : Error

Explanation

The command requested was unsuccessful because access was denied attempting to execute the program defined to run.

Response

Examine the definition of the object and ensure that the path to program file is correct. If the defined path is correct ensure that the program exists at the location specified and that the WebSphere MQ user has access to execute the program.

AMQ8737

Service already active.

Severity

10 : Warning

Explanation

A request was made to start a service, however the service is already running and cannot be started.

Response

If you do not want the service to be running, then use the STOP SERVICE command to stop the service before reissuing the command. If the intention is to allow more than one instance of a service to run, then the service definition may be altered to be of SERVTYPE(COMMAND) which allows more than one instance of the service to be executed concurrently, however status of services of type COMMAND is not available from the SVSTAUS command.

AMQ8738

Service not active.

Severity

10 : Warning

Explanation

A request was made to stop a service, however the service is not running.

Response

If the service should be running then use the START SERVICE command to start the service.

AMQ8739

Stop cannot be executed for service with blank STOPCMD.

Severity

20 : Error

Explanation

A request was made to STOP a service, however the service has no Stop Command defined so no action could be taken.

Response

Examine the definition of the service and if necessary update the definition of the service to include the command to run when STOP is issued. For services of type 'SERVER' the command to run when STOP is executed is stored when the service is started so any alteration to the service definition will have no effect until the service is restarted following the update.

AMQ8740

Start cannot be executed for service with blank STARTCMD.

Severity

20 : Error

Explanation

A request was made to START a service, however the service has no Start Command defined so no action could be taken.

Response

Examine the definition of the service and if necessary update the definition of the service to include the command to run when START is issued.

AMQ8741

Unable to connect to queue manager.

Severity

20 : Error

Explanation

The dead-letter queue handler (runmqdlq) could not connect to queue manager *<insert_3>*. This message is typically issued when the requested queue manager has not been started or is quiescing, or if the process does not have sufficient authority. The completion code (*<insert_1>*) and the reason (*<insert_2>*) can be used to identify the error. The dead-letter queue handler ends.

Response

Take appropriate action based upon the completion code and reason.

AMQ8741 (IBM i)

Unable to connect to queue manager.

Severity

20 : Error

Explanation

The dead-letter queue handler (STRMQMDLQ) could not connect to queue manager *<insert_3>*. This message is typically issued when the requested queue manager has not been started or is quiescing, or if the process does not have sufficient authority. The completion code (*<insert_1>*) and the reason (*<insert_2>*) can be used to identify the error. The dead-letter queue handler ends.

Response

Take appropriate action based upon the completion code and reason.

AMQ8742

Unable to open queue manager: CompCode = <insert_1> Reason = <insert_2>.

Severity

20 : Error

Explanation

The dead-letter queue handler (runmqdlq) could not open the queue manager object. This message is typically issued because of a resource shortage or because the process does not have sufficient authority. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

Response

Take appropriate action based upon the completion code and reason.

AMQ8742 (IBM i)

Unable to open queue manager: CompCode = <insert_1> Reason = <insert_2>.

Severity

20 : Error

Explanation

The dead-letter queue handler (STRMQMDLQ) could not open the queue manager object. This message is typically issued because of a resource shortage or because the process does not have sufficient authority. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

Response

Take appropriate action based upon the completion code and reason.

AMQ8743

Unable to inquire on queue manager: CompCode = <insert_1> Reason = <insert_2>.

Severity

20 : Error

Explanation

The dead-letter queue handler (runmqdlq) could not inquire on the queue manager. This message is typically issued because of a resource shortage or because the queue manager is ending. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

Response

Take appropriate action based upon the completion code and reason.

AMQ8743 (IBM i)

Unable to inquire on queue manager: CompCode = <insert_1> Reason = <insert_2>.

Severity

20 : Error

Explanation

The dead-letter queue handler (STRMQMDLQ) could not inquire on the queue manager. This message is typically issued because of a resource shortage or because the queue manager is ending. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

Response

Take appropriate action based upon the completion code and reason.

AMQ8744

Unable to close queue manager: CompCode = <insert_1> Reason = <insert_2>.

Severity

20 : Error

Explanation

The dead-letter queue handler (runmqdlq) could not close the queue manager. This message is typically issued because of a resource shortage or because the queue manager is ending. The

completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

Response

Take appropriate action based upon the completion code and reason.

AMQ8744 (IBM i)

Unable to close queue manager: CompCode = <insert_1> Reason = <insert_2>.

Severity

20 : Error

Explanation

The dead-letter queue handler (STRMQMDLQ) could not close the queue manager. This message is typically issued because of a resource shortage or because the queue manager is ending. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

Response

Take appropriate action based upon the completion code and reason.

AMQ8745

Unable to open dead-letter queue for browse.

Severity

20 : Error

Explanation

The dead-letter queue handler (runmqdlq) could not open the dead-letter queue <insert_3> for browsing. This message is typically issued because another process has opened the dead-letter queue for exclusive access, or because an invalid dead-letter queue name was specified. Other possible reasons include resource shortages or insufficient authority. The completion code(<insert_1>) and the reason(<insert_2>) can be used to identify the error. The dead-letter queue handler ends.

Response

Take appropriate action based upon the completion code and reason.

AMQ8745 (IBM i)

Unable to open dead-letter queue for browse.

Severity

20 : Error

Explanation

The dead-letter queue handler (STRMQMDLQ) could not open the dead-letter queue <insert_3> for browsing. This message is typically issued because another process has opened the dead-letter queue for exclusive access, or because an invalid dead-letter queue name was specified. Other possible reasons include resource shortages or insufficient authority. The completion code(<insert_1>) and the reason(<insert_2>) can be used to identify the error. The dead-letter queue handler ends.

Response

Take appropriate action based upon the completion code and reason.

AMQ8746

Unable to close dead-letter queue: CompCode = <insert_1> Reason = <insert_2>.

Severity

20 : Error

Explanation

The dead-letter queue handler (runmqdlq) could not close the dead-letter queue. This message is typically issued because of a resource shortage or because the queue manager is ending. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

Response

Take appropriate action based upon the completion code and reason.

AMQ8746 (IBM i)

Unable to close dead-letter queue: CompCode = <insert_1> Reason = <insert_2>.

Severity

20 : Error

Explanation

The dead-letter queue handler (STRMQMDLQ) could not close the dead-letter queue. This message is typically issued because of a resource shortage or because the queue manager is ending. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

Response

Take appropriate action based upon the completion code and reason.

AMQ8747

Integer parameter outside permissible range.

Severity

20 : Error

Explanation

The integer parameter (<insert_2>) supplied to the dead-letter handler was outside of the valid range for <insert_3> on line <insert_1>.

Response

Correct the input data and restart the dead-letter queue handler.

AMQ8748

Unable to get message from dead-letter queue: CompCode = <insert_1> Reason = <insert_2>.

Severity

20 : Error

Explanation

The dead-letter queue handler (runmqdlq) could not get the next message from the dead-letter queue. This message is typically issued because of the queue manager ending, a resource problem, or another process having deleted the dead-letter queue. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

Response

Take appropriate action based upon the completion code and reason.

AMQ8748 (IBM i)

Unable to get message from dead-letter queue: CompCode = <insert_1> Reason = <insert_2>.

Severity

20 : Error

Explanation

The dead-letter queue handler (STRMQMDLQ) could not get the next message from the dead-letter queue. This message is typically issued because of the queue manager ending, a resource problem, or another process having deleted the dead-letter queue. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

Response

Take appropriate action based upon the completion code and reason.

AMQ8749

Unable to commit/backout action on dead-letter queue: CompCode = <insert_1> Reason = <insert_2>.

Severity

20 : Error

Explanation

The dead-letter queue handler (runmqdlq) was unable to commit or backout an update to the dead-letter queue. This message is typically issued because of the queue manager ending, or because of a resource shortage. If the queue manager has ended, the update to the dead-letter queue (and

any associated updates) will be backed out when the queue manager restarts. If the problem was due to a resource problem then the updates will be backed out when the dead-letter queue handler terminates. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

Response

Take appropriate action based upon the completion code and reason.

AMQ8749 (IBM i)

Unable to commit/backout action on dead-letter queue: CompCode = <insert_1> Reason = <insert_2>.

Severity

20 : Error

Explanation

The dead-letter queue handler (STRMQMDLQ) was unable to commit or backout an update to the dead-letter queue. This message is typically issued because of the queue manager ending, or because of a resource shortage. If the queue manager has ended, the update to the dead-letter queue (and any associated updates) will be backed out when the queue manager restarts. If the problem was due to a resource problem then the updates will be backed out when the dead-letter queue handler terminates. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

Response

Take appropriate action based upon the completion code and reason.

AMQ8750

No valid input provided to runmqdlq.

Severity

20 : Error

Explanation

Either no input was provided to runmqdlq, or the input to runmqdlq contained no valid message templates. If input was provided to runmqdlq but was found to be invalid, earlier messages will have been produced explaining the cause of the error. The dead-letter queue handler will end.

Response

Correct the input data and restart the dead-letter queue handler.

AMQ8750 (IBM i)

No valid input provided to STRMQMDLQ.

Severity

20 : Error

Explanation

Either no input was provided to STRMQMDLQ, or the input to STRMQMDLQ contained no valid message templates. If input was provided to STRMQMDLQ but was found to be invalid, earlier messages will have been produced explaining the cause of the error. The dead-letter queue handler will end.

Response

Correct the input data and restart the dead-letter queue handler.

AMQ8751

Unable to obtain private storage.

Severity

20 : Error

Explanation

The dead-letter queue handler (runmqdlq) was unable to obtain private storage. This problem would typically arise as a result of some more global problem. For example if there is a persistent problem that is causing messages to be written to the DLQ and the same problem (for example queue full) is preventing the dead-letter queue handler from taking the requested action with the message, it is necessary for the dead-letter queue handler to maintain a large amount of state data to remember

the retry counts associated with each message, or if the dead-letter queue contains a large number of messages and the rules table has directed the dead-letter queue handler to ignore the messages.

Response

Investigate if some more global problem exists, and if the dead-letter queue contains a large number of messages. If the problem persists save any generated output files and use either the [IBM WebSphere MQ support web page](#), or the IBM support assistant at the [IBM SupportAssistant web page](#), to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ8751 (IBM i)

Unable to obtain private storage.

Severity

20 : Error

Explanation

The dead-letter queue handler (STRMQMDLQ) was unable to obtain private storage. This problem would typically arise as a result of some more global problem. For example if there is a persistent problem that is causing messages to be written to the DLQ and the same problem (for example queue full) is preventing the dead-letter queue handler from taking the requested action with the message, it is necessary for the dead-letter queue handler to maintain a large amount of state data to remember the retry counts associated with each message, or if the dead-letter queue contains a large number of messages and the rules table has directed the dead-letter queue handler to ignore the messages.

Response

Investigate if some more global problem exists, and if the dead-letter queue contains a large number of messages. If the problem persists save any generated output files and use either the [IBM WebSphere MQ support web page](#), or the IBM support assistant at the [IBM SupportAssistant web page](#), to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ8752

Parameter(<insert_3>) exceeds maximum length on line <insert_1>.

Severity

20 : Error

Explanation

A parameter supplied as input to the dead-letter handler exceeded the maximum length for parameters of that type.

Response

Correct the input data and restart the dead-letter queue handler.

AMQ8753

Duplicate parameter(<insert_3>) found on line <insert_1>.

Severity

20 : Error

Explanation

Two or more parameters of the same type were supplied on a single input line to the dead-letter queue handler.

Response

Correct the input and restart the dead-letter queue handler.

AMQ8754

Display topic status details.

Severity

0 : Information

Explanation

The MQSC DISPLAY TPSTATUS command completed successfully. Details follow this message.

AMQ8755

IBM WebSphere MQ topicstr cleared successfully.

Severity

0 : Information

Explanation

All messages on topicstr have been deleted.

AMQ8756

Error detected releasing private storage.

Severity

20 : Error

Explanation

The dead-letter queue handler (runmqdlq) was informed of an error while attempting to release an area of private storage. The dead-letter queue handler ends.

Response

This message should be preceded by a message or FFST information from the internal routine that detected the error. Take the action associated with the earlier error information.

AMQ8756 (IBM i)

Error detected releasing private storage.

Severity

20 : Error

Explanation

The dead-letter queue handler (STRMQMDLQ) was informed of an error while attempting to release an area of private storage. The dead-letter queue handler ends.

Response

This message should be preceded by a message or FFST information from the internal routine that detected the error. Take the action associated with the earlier error information.

AMQ8757

Integer parameter(<insert_3>) outside permissible range on line <insert_1>.

Severity

20 : Error

Explanation

An integer supplied as input to the dead-letter handler was outside of the valid range of integers supported by the dead-letter queue handler.

Response

Correct the input data and restart the dead-letter queue handler.

AMQ8758

<insert_1> errors detected in input to runmqdlq.

Severity

20 : Error

Explanation

One or more errors have been detected in the input to the dead-letter queue handler(runmqdlq). Error messages will have been generated for each of these errors. The dead-letter queue handler ends.

Response

Correct the input data and restart the dead-letter queue handler.

AMQ8758 (IBM i)

<insert_1> errors detected in input to STRMQMDLQ.

Severity

20 : Error

Explanation

One or more errors have been detected in the input to the dead-letter queue handler (STRMQMDLQ). Error messages will have been generated for each of these errors. The dead-letter queue handler ends.

Response

Correct the input data and restart the dead-letter queue handler.

AMQ8759

Invalid combination of parameters to dead-letter queue handler on line *<insert_1>*.

Severity

20 : Error

Explanation

An invalid combination of input parameters has been supplied to the dead-letter queue handler. Possible causes are: no ACTION specified, ACTION(FWD) but no FWDQ specified, HEADER(YES|NO) specified without ACTION(FWD).

Response

Correct the input data and restart the dead-letter queue handler.

AMQ8760

Unexpected failure while initializing process: Reason = *<insert_1>*.

Severity

30 : Severe error

Explanation

The dead-letter queue handler (runmqdlq) could not perform basic initialization required to use MQ services because of an unforeseen error. The dead-letter queue handler ends.

Response

Use the standard facilities supplied with your system to record the problem identifier and to save the generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ8760 (IBM i)

Unexpected failure while initializing process: Reason = *<insert_1>*.

Severity

30 : Severe error

Explanation

The dead-letter queue handler (STRMQMDLQ) could not perform basic initialization required to use MQ services because of an unforeseen error. The dead-letter queue handler ends.

Response

Use the standard facilities supplied with your system to record the problem identifier and to save the generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ8761

Unexpected failure while connecting to queue manager: CompCode = *<insert_1>* Reason = *<insert_2>*.

Severity

30 : Severe error

Explanation

The dead-letter queue handler (runmqdlq) could not connect to the requested queue manager because of an unforeseen error. The dead-letter queue handler ends.

Response

Use the standard facilities supplied with your system to record the problem identifier and to save the generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ8761 (IBM i)

Unexpected failure while connecting to queue manager: CompCode = <insert_1> Reason = <insert_2>.

Severity

30 : Severe error

Explanation

The dead-letter queue handler (STRMQMDLQ) could not connect to the requested queue manager because of an unforeseen error. The dead-letter queue handler ends.

Response

Use the standard facilities supplied with your system to record the problem identifier and to save the generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ8762

Unexpected error while attempting to open queue manager: CompCode = <insert_1> Reason = <insert_2>.

Severity

30 : Severe error

Explanation

The dead-letter queue handler (runmqdlq) could not open the queue manager because of an unforeseen error. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

Response

Use the standard facilities supplied with your system to record the problem identifier and to save the generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ8762 (IBM i)

Unexpected error while attempting to open queue manager: CompCode = <insert_1> Reason = <insert_2>.

Severity

30 : Severe error

Explanation

The dead-letter queue handler (STRMQMDLQ) could not open the queue manager because of an unforeseen error. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

Response

Use the standard facilities supplied with your system to record the problem identifier and to save the generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant,

to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ8763

Unexpected error while inquiring on queue manager: CompCode = *<insert_1>* Reason = *<insert_2>*.

Severity

30 : Severe error

Explanation

The dead letter queue handler (runmqdlq) could not inquire on the queue manager because of an unforeseen error. The completion code and the reason can be used to identify the error. The dead letter queue handler ends.

Response

Use the standard facilities supplied with your system to record the problem identifier and to save the generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ8763 (IBM i)

Unexpected error while inquiring on queue manager: CompCode = *<insert_1>* Reason = *<insert_2>*.

Severity

30 : Severe error

Explanation

The dead letter queue handler (STRMQMDLQ) could not inquire on the queue manager because of an unforeseen error. The completion code and the reason can be used to identify the error. The dead letter queue handler ends.

Response

Use the standard facilities supplied with your system to record the problem identifier and to save the generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ8764

Unexpected error while attempting to close queue manager: CompCode = *<insert_1>* Reason = *<insert_2>*.

Severity

30 : Severe error

Explanation

The dead-letter queue handler (runmqdlq) could not close the queue manager because of an unforeseen error. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

Response

Use the standard facilities supplied with your system to record the problem identifier and to save the generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ8764 (IBM i)

Unexpected error while attempting to close queue manager: CompCode = *<insert_1>* Reason = *<insert_2>*.

Severity

30 : Severe error

Explanation

The dead-letter queue handler (STRMQMDLQ) could not close the queue manager because of an unforeseen error. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

Response

Use the standard facilities supplied with your system to record the problem identifier and to save the generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ8765

Unexpected failure while opening dead-letter queue for browse: CompCode = <insert_1> Reason = <insert_2>.

Severity

30 : Severe error

Explanation

The dead-letter queue handler (runmqdlq) could not open the dead-letter queue for browsing because of an unforeseen error. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

Response

Use the standard facilities supplied with your system to record the problem identifier and to save the generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ8765 (IBM i)

Unexpected failure while opening dead-letter queue for browse: CompCode = <insert_1> Reason = <insert_2>.

Severity

30 : Severe error

Explanation

The dead-letter queue handler (STRMQMDLQ) could not open the dead-letter queue for browsing because of an unforeseen error. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

Response

Use the standard facilities supplied with your system to record the problem identifier and to save the generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ8766

Unexpected error while closing dead-letter queue: CompCode = <insert_1> Reason = <insert_2>.

Severity

30 : Severe error

Explanation

The dead-letter queue handler (runmqdlq) could not close the dead-letter queue because of an unforeseen error. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

Response

Use the standard facilities supplied with your system to record the problem identifier and to save the generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ8766 (IBM i)

Unexpected error while closing dead-letter queue: CompCode = <insert_1> Reason = <insert_2>.

Severity

30 : Severe error

Explanation

The dead-letter queue handler (STRMQMDLQ) could not close the dead-letter queue because of an unforeseen error. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

Response

Use the standard facilities supplied with your system to record the problem identifier and to save the generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ8767

Unexpected error while getting message from dead-letter queue: CompCode = <insert_1> Reason = <insert_2>.

Severity

30 : Severe error

Explanation

The dead-letter queue handler (runmqdlq) could not get the next message from the dead-letter queue because of an unforeseen error. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

Response

Use the standard facilities supplied with your system to record the problem identifier and to save the generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ8767 (IBM i)

Unexpected error while getting message from dead-letter queue: CompCode = <insert_1> Reason = <insert_2>.

Severity

30 : Severe error

Explanation

The dead-letter queue handler (STRMQMDLQ) could not get the next message from the dead-letter queue because of an unforeseen error. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

Response

Use the standard facilities supplied with your system to record the problem identifier and to save the generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant,

to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ8768

Unexpected error committing/backing out action on dead-letter queue: CompCode = *<insert_1>*
Reason = *<insert_2>*.

Severity

30 : Severe error

Explanation

The dead-letter queue handler (runmqdlq) was unable to either commit or backout an update to the dead-letter queue because of an unforeseen error. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

Response

Use the standard facilities supplied with your system to record the problem identifier and to save the generated output files. Use either the [IBM WebSphere MQ support web page](https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ) at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ8768 (IBM i)

Unexpected error committing/backing out action on dead-letter queue: CompCode = *<insert_1>*
Reason = *<insert_2>*.

Severity

30 : Severe error

Explanation

The dead-letter queue handler (STRMQMDLQ) was unable to either commit or backout an update to the dead-letter queue because of an unforeseen error. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

Response

Use the standard facilities supplied with your system to record the problem identifier and to save the generated output files. Use either the [IBM WebSphere MQ support web page](https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ) at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ8769

Unable to disconnect from queue manager: CompCode = *<insert_1>* Reason = *<insert_2>*.

Severity

30 : Severe error

Explanation

The dead-letter queue handler (runmqdlq) was unable to disconnect from the queue manager because of an unexpected error. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

Response

Use the standard facilities supplied with your system to record the problem identifier and to save the generated output files. Use either the [IBM WebSphere MQ support web page](https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ) at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ8769 (IBM i)

Unable to disconnect from queue manager: CompCode = *<insert_1>* Reason = *<insert_2>*.

Severity

30 : Severe error

Explanation

The dead-letter queue handler (STRMQMDLQ) was unable to disconnect from the queue manager because of an unexpected error. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

Response

Use the standard facilities supplied with your system to record the problem identifier and to save the generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ8770 (IBM)

Cannot open <insert_3> for command <insert_5>.

Severity

40 : Stop Error

Explanation

The <insert_5> command failed to open <insert_3> for IBM WebSphere MQ processing.

Response

Check that the intended file or member exists, and was specified correctly. Correct the specification or create the object and try the operation again.

AMQ8771 (DEC)

OpenVMS Cluster Failover Set Configuration and State.

Severity

0 : Information

AMQ8772 (DEC)

Queue Manager Name: <insert_3> Sequence No: <insert_1>

Severity

0 : Information

AMQ8773 (DEC)

TCP/IP Address: <insert_3> Listener Port Number : <insert_4>

Severity

0 : Information

AMQ8774 (DEC)

Queue Manager state in failover set: STARTED

Severity

0 : Information

AMQ8775 (DEC)

Queue Manager state in failover set: STOPPED

Severity

0 : Information

AMQ8776 (DEC)

Node specific configuration and state

Severity

0 : Information

AMQ8777 (DEC)

Node name: <insert_3> Priority: <insert_1> TCP/IP Interface: <insert_4>

Severity

0 : Information

AMQ8778 (DEC)

Queue Manager state : RUNNING

Severity

0 : Information

AMQ8779 (DEC)

Queue Manager state : AVAILABLE

Severity

0 : Information

AMQ8780 (DEC)

Queue Manager state : EXCLUDED

Severity

0 : Information

AMQ8781 (DEC)

Failover Monitor state: STARTED

Severity

0 : Information

AMQ8782 (DEC)

Failover Monitor state: STOPPED

Severity

0 : Information

AMQ8783 (DEC)

Failover Monitor state: WATCHING

Severity

0 : Information

AMQ8784 (DEC)

Node <insert_3> is not in the Failover Set configuration file

Severity

20 : Error

AMQ8785 (DEC)

There are no Failover Monitors started for Queue Manager: <insert_3>

Severity

20 : Error

AMQ8786 (DEC)

Failover set update operation in progress

Severity

10 : Warning

AMQ8787 (DEC)

Usage:

Start the queue manager in the failover set

failover -m <queue manager> [-n <node name>] -s

End the queue manager in the failover set

failover -m <queue manager> -e

Failover the running queue manager to another node

failover -m <queue manager> [-n <node name>] -f

Stop a failover monitor on a node

failover -m <queue manager> -n <node name> -h

Query the state of the queue manager

failover -m <queue manager> -q

Set the symbols MQS\$QMGR_NODE, MQS\$AVAILABLE_NODES and MQS\$MONITOR_NODES

failover -m <queue manager> -l

Change the state of the failover set

failover -m <queue manager> -c -cluster stopped|started

Change the state of the queue manager on a node

failover -m <queue manager> -n <node name> -c -qmgr available|running|excluded

Change the state of the monitor on a node

failover -m <queue manager> -n <node name> -c -monitor stopped|started|watcher

Clear the update in progress flag

failover -m <queue manager> -u

Severity

0 : Information

AMQ8788 (DEC)

Usage: failover_monitor -m <queue manager> [-d]

Severity

0 : Information

AMQ8789 (DEC)

Error opening failover initialisation file FAILOVER.INI

Severity

20 : Error

AMQ8790 (DEC)

Error in the format of the initialisation file FAILOVER.INI

Severity

20 : Error

AMQ8791 (DEC)

No node available on which to start the queue manager

Severity

20 : Error

AMQ8792 (DEC)

Operation not allowed; Use a Failover command

Severity

20 : Error

AMQ8793 (DEC)

The ending of the queue manager was forced

Severity

10 : Warning

AMQ8794 (DEC)

The ending of the queue manager timed out before completion

Severity

20 : Error

AMQ8795 (DEC)

End Queue Manager Time Out: <insert_1>

Severity

0 : Information

AMQ8796 (DEC)

There is a Failover Monitor already running on node: <insert_3>

Severity

20 : Error

AMQ8797 (Tandem)

Cannot move queue files to <insert_3>.

Severity

0 : Information

Explanation

The MQSeries atmqls utility cannot move the specified queue files to volume <insert_3>.

Response

Verify that the queue files are not already on volume <insert_3> using the dspmqfls utility. Verify that volume <insert_3> does not already contain queue files for this or any other queue manager in the same subvolume as used by this queue manager.

AMQ8798 (Tandem)

Queue files moved to <insert_3>.

Severity

0 : Information

Explanation

The MQSeries atmqls utility has successfully moved the specified queue files to volume <insert_3>.

Response

None.

AMQ8801 (Tandem)

EC Boss <insert_3> for Queue Manager <insert_4> is initializing.

Severity

30 : Severe error

Explanation

The EC Boss for Queue Manager <insert_4> is beginning the startup sequence. The process name of the EC Boss is <insert_3>.

AMQ8802 (Tandem)

EC Boss <insert_3> for Queue Manager <insert_4> initialization complete.

Severity

30 : Severe error

Explanation

The EC Boss for Queue Manager <insert_4> has completed process startup actions. The process name of the EC Boss is <insert_3>.

AMQ8803 (Tandem)

EC Boss <insert_3> for Queue Manager <insert_4> controlled shutdown initiated.

Severity

30 : Severe error

Explanation

The EC Boss for Queue Manager <insert_4> has entered the controlled shutdown state. The Queue Manager will not accept new work, and once operations in progress have completed, connections will be terminated. When there are no more connections, the Queue Manager will end.

AMQ8804 (Tandem)

EC Boss <insert_3> for Queue Manager <insert_4> quiesce shutdown initiated.

Severity

30 : Severe error

Explanation

The EC Boss for Queue Manager <insert_4> has entered the quiesce shutdown state. The Queue Manager will not accept new work, but will allow existing connections to complete before ending.

AMQ8805 (Tandem)

EC Boss <insert_3> for Queue Manager <insert_4> immediate shutdown initiated.

Severity

30 : Severe error

Explanation

The EC Boss for Queue Manager <insert_4> has entered the immediate shutdown state. Any current connections are terminated and the Queue Manager will end immediately.

AMQ8806 (Tandem)

EC / EC Boss <insert_3> for Queue Manager <insert_4> cannot access file <insert_5>

Severity

40 : Stop Error

Explanation

An EC, or the EC Boss (process name <insert_3>) for Queue Manager <insert_4> has not been able to access the file named <insert_5>. This file is critical to the operation of the Queue Manager, and the Queue Manager will not start properly until the problem is corrected.

Response

End the Queue Manager and check the existence or file attributes of the file named <insert_5>. Verify that the file exists, and has the appropriate file security and type attributes, correct the problem and restart the Queue Manager.

AMQ8807 (Tandem)

EC / EC Boss <insert_3> for Queue Manager <insert_4> obtained file error <insert_1> on file <insert_5>

Severity

40 : Stop Error

Explanation

An EC, or the EC Boss (process name <insert_3>) for Queue Manager <insert_4> obtained Tandem file error <insert_1> while attempting an IO operation to file <insert_5>. The successful completion of the IO operation may be critical to the correct operation of the Queue Manager, and the Queue Manager may not operate properly until the problem is corrected.

Response

End the Queue Manager and check the file attributes of the file named <insert_5>. Verify that the file has the appropriate file security and type attributes, correct the problem and restart the Queue Manager.

AMQ8808 (Tandem)

Incorrect Queue Manager name <insert_4> supplied to process <insert_4>

Severity

40 : Stop Error

Explanation

A Queue Manager process (process name <insert_3>) was supplied with an invalid or non-existent Queue Manager name, <insert_4>. The initialization of the process failed as a result.

Response

End the Queue Manager and check the queue manager name that is being used in the configuration databases. After correcting the problem, restart the Queue Manager.

AMQ8809 (Tandem)

Queue Manager <insert_4> started.

Severity

30 : Severe error

Explanation

The EC Boss has reported that the Queue Manager named <insert_4> has entered the "started" state.

AMQ8810 (Tandem)

EC number <insert_1>, process name <insert_3>, for Queue Manager <insert_4> is initializing.

Severity

30 : Severe error

Explanation

An EC in the Queue Manager named *<insert_4>* has started and is performing process initialization.

AMQ8811 (Tandem)

EC number *<insert_1>*, process name *<insert_3>*, for Queue Manager *<insert_4>* has completed initialization.

Severity

30 : Severe error

Explanation

An EC in the Queue Manager named *<insert_4>* has completed process initialization.

AMQ8812 (Tandem)

EC number *<insert_1>*, process name *<insert_3>*, for Queue Manager *<insert_4>* has started controlled shutdown.

Severity

30 : Severe error

Explanation

An EC in the Queue Manager named *<insert_4>* has reported that a controlled shutdown has started. The EC will wait for all currently running agents to end before performing the final shutdown actions.

AMQ8813 (Tandem)

EC number *<insert_1>*, process name *<insert_3>*, for Queue Manager *<insert_4>* has started quiesce shutdown.

Severity

30 : Severe error

Explanation

An EC in the Queue Manager named *<insert_4>* has reported that a quiesce shutdown has started. The EC will wait for all currently running agents to end before performing the final shutdown actions.

AMQ8814 (Tandem)

EC number *<insert_1>*, process name *<insert_3>*, for Queue Manager *<insert_4>* has started immediate shutdown.

Severity

30 : Severe error

Explanation

An EC in the Queue Manager named *<insert_4>* has reported that an immediate shutdown has started. The EC will terminate immediately, without waiting for currently running agents to end.

AMQ8815 (Tandem)

EC number *<insert_1>*, process name *<insert_3>*, for Queue Manager *<insert_4>* has shutdown.

Severity

30 : Severe error

Explanation

An EC in the Queue Manager named *<insert_4>* has reported that it has completed shutdown actions. When all ECs in the Queue Manager have completed shutdown actions, the Queue Manager will end.

AMQ8816 (Tandem)

Queue Manager *<insert_4>* has started, though only *<insert_1>* of *<insert_2>* ECs have registered.

Severity

30 : Severe error

Explanation

The Queue Manager named *<insert_4>* has entered the started state, and will now accept connections. However, only *<insert_1>* of the expected *<insert_2>* ECs have registered with the EC Boss. The Queue manager's load balancing and overall performance will be adversely affected, however it will still be able to service connections.

Response

Examine the logs to determine the cause of the failure to start the missing ECs. End the Queue Manager, and rectify the problem if possible. Restart the Queue Manager and ensure that the Queue Manager starts correctly.

AMQ8817 (Tandem)

Process *<insert_3>* in Queue Manager *<insert_4>* cannot process a request due to a resource problem.

Severity

40 : Stop Error

Explanation

The process named *<insert_3>* has failed to process a request from another process due to a failure to allocate a resource, such as memory, or disk space. Depending upon the criticality of the resource itself, this may cause further errors, or the failure of certain Queue Manager components.

Response

Examine the logs to determine the cause of the failure. If there are resource problems that can be corrected, correct them and attempt the operation again.

AMQ8818 (Tandem)

EC Boss in Queue Manager *<insert_4>* rejected a registration from process *<insert_3>*.

Severity

40 : Stop Error

Explanation

The process named *<insert_3>* attempted to register with the EC Boss. The EC Boss detected a problem with the registration information and rejected the attempt.

Response

Examine the logs to determine further information about the problem. Determine the identity of the process, and verify that the process is an EC. If the process is not an EC, or cannot be identified, then a security threat may be present.

AMQ8819 (Tandem)

EC number *<insert_1>* registered with the EC Boss in Queue Manager *<insert_4>*.

Severity

40 : Stop Error

Explanation

EC number *<insert_1>* has registered with the EC Boss. When all the expected ECs in a Queue Manager have registered, the Queue Manager enters the started state.

AMQ8820 (Tandem)

An unknown message received by process *<insert_3>* in Queue Manager *<insert_4>* from process *<insert_5>* has been rejected.

Severity

40 : Stop Error

Explanation

The process *<insert_3>* has received and rejected a message that is either not of the correct format, or from an unknown source.

Response

Examine the log to see if further information is available. Try to identify the process to ensure that a security threat is not present.

AMQ8821 (Tandem)

The EC Boss in Queue Manager *<insert_4>* detected the failure of EC number *<insert_1>*.

Severity

40 : Stop Error

Explanation

The EC Boss has detected that EC number <insert_1> has terminated unexpectedly. If the maximum number of restarts performed on this EC has not already been exceeded, PATHWAY will attempt to restart the EC.

Response

Examine the log to see if further information is available.

AMQ8822

Invalid response, please re-enter (y or n):

Severity

0 : Information

Response

None.

AMQ8823 (Tandem)

Process <insert_3> in Queue Manager <insert_4> received and rejected a message from an unknown source, <insert_5>.

Severity

40 : Stop Error

Explanation

A process in Queue Manager <insert_4> received a message from a source that is not authorized or not registered to communicate with the Queue Manager. The process is identified by <insert_5>. The process that received the message is identified by <insert_3>.

Response

Examine the log to see if further information is available on the identity of the source of the message. Try to determine the identity of the sender and verify that no security threat is present.

AMQ8824 (Tandem)

The EC Boss in Queue Manager <insert_4> detected an inconsistency in the context data for agent process <insert_3>.

Severity

40 : Stop Error

Explanation

The EC Boss found that the information it had previously held about the agent <insert_3> is not consistent with new information.

Response

Examine the log to see if further information is available relating to process <insert_3>.

AMQ8825 (Tandem)

EC number <insert_1> in Queue Manager <insert_4> detected the failure of the EC Boss.

Severity

40 : Stop Error

Explanation

An EC detected that the EC Boss for the Queue Manager has failed. If the maximum number of restarts for the EC Boss has not been exceeded, PATHWAY will attempt to restart the EC Boss.

Response

Examine the log to see if further information is available relating to the failure of the EC Boss. If the problem persists, end the Queue Manager, correct the problem and restart. If the problem cannot be identified as a configuration problem, use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ8826 (Tandem)

EC number <insert_1> in Queue Manager <insert_4> detected the failure of an <insert_5> agent servicing <insert_3>.

Severity

40 : Stop Error

Explanation

An EC detected that an <insert_5> agent process for <insert_3> has failed. If the maximum number of restarts of agent processes has not already been exceeded, the EC will attempt to restart the agent process when it is required.

Response

Examine the log to see if further information is available relating to the failure of the agent process. If the problem persists, end the Queue Manager, correct the problem and restart. If the problem cannot be identified as a configuration problem, use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ8827 (Tandem)

EC number <insert_1> in Queue Manager <insert_4> failed to communicate with the EC Boss.

Severity

40 : Stop Error

Explanation

An EC attempted to communicate with the EC Boss, but the attempt failed. The failure to communicate is interpreted by the EC as EC Boss failure.

Response

Examine the log to see if further information is available relating to the failure to communicate with the EC Boss. If the problem persists, end the Queue Manager, correct the problem and restart. If the problem cannot be identified as a configuration problem, use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ8828 (Tandem)

EC number <insert_1> in Queue Manager <insert_4> failed to communicate with <insert_5> agent process <insert_3>.

Severity

40 : Stop Error

Explanation

An EC attempted to communicate with an agent process, but the attempt failed. The failure to communicate is interpreted by the EC as agent failure. Depending upon various factors, the EC may attempt to restart the agent.

Response

Examine the log to see if further information is available relating to the failure to communicate with the agent. If the problem persists, end the Queue Manager, correct the problem and restart. If the problem cannot be identified as a configuration problem, use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are

unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ8829 (Tandem)

EC number <insert_1> in Queue Manager <insert_4> failed to start an <insert_5> agent.

Severity

40 : Stop Error

Explanation

An EC attempted to create an agent process, but the attempt failed. If the maximum number of agent restarts has not already been exceeded, the EC will attempt to restart the agent process.

Response

Examine the log to see if further information is available relating to the failure to start the agent. If the problem persists, end the Queue Manager, correct the problem and restart. If the problem cannot be identified as a configuration problem, use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ8830 (Tandem)

EC number <insert_1> in Queue Manager <insert_4> failed to service a Stop Channel request for channel <insert_5>.

Severity

40 : Stop Error

Explanation

An EC attempted to process a Stop Channel request, but the attempt failed. The failure will be relayed back to the original requestor via the EC Boss.

Response

Examine the log to see if further information is available relating to the failure to service the Stop Channel request. The originator of the Stop Channel request will be informed of the failure, together with the reason for the failure.

AMQ8831 (Tandem)

EC number <insert_1> in Queue Manager <insert_4> failed to service an agent "done" request from agent process <insert_3>.

Severity

40 : Stop Error

Explanation

An EC attempted to process an agent "done" request, but the attempt failed. An agent "done" request indicates that agent process <insert_3> has completed its work and is asking the EC whether to terminate, or to go idle. For some reason, the EC failed to process the request. The EC will terminate the agent process.

Response

Examine the log to see if further information is available relating to the failure to service the agent "done" request.

AMQ8832 (Tandem)

EC number <insert_1> in Queue Manager <insert_4> created an idle <insert_5> agent process <insert_3>.

Severity

30 : Severe error

Explanation

An EC successfully created an idle agent.

AMQ8833 (Tandem)

EC number <insert_1> in Queue Manager <insert_4> failed to activate <insert_5> agent process <insert_3>.

Severity

40 : Stop Error

Explanation

An EC failed to activate an idle agent in order to service a connection, or start channel request. The request could not be satisfied by the EC. The EC returns a failure completion and reason code to the originator of the request.

Response

Examine the log to see if further information is available relating to the failure to activate the agent.

AMQ8834 (Tandem)

EC number <insert_1> in Queue Manager <insert_4> failed to deactivate <insert_5> agent process <insert_3>.

Severity

40 : Stop Error

Explanation

An EC failed to deactivate an active agent after the agent indicated that it had completed processing a connection or channel.

Response

Examine the log to see if further information is available relating to the failure to deactivate the agent.

AMQ8835 (Tandem)

EC number <insert_1> in Queue Manager <insert_4> destroyed idle <insert_5> agent process <insert_3>.

Severity

30 : Severe error

Explanation

An EC successfully destroyed an idle agent process. The EC normally performs this operation as a result of managing the pool of idle agents. Agents that have been used more than a certain (configurable) number of times are destroyed and a fresh agent created in their place.

AMQ8836 (Tandem)

EC number <insert_1> in Queue Manager <insert_4> failed to destroy an idle <insert_5> agent process <insert_3>.

Severity

40 : Stop Error

Explanation

An EC failed to destroy an idle agent process. The EC normally performs this operation as a result of managing the pool of idle agents. Agents that have been used more than a certain (configurable) number of times are destroyed and a fresh agent created in their place.

Response

Examine the log to see if further information is available relating to the failure to destroy the agent.

AMQ8837 (Tandem)

EC number <insert_1> in Queue Manager <insert_4> failed to create an idle <insert_5> agent.

Severity

40 : Stop Error

Explanation

An EC failed to create an idle <insert_5> agent process. The EC normally performs this operation as a result of managing the pool of idle agents. Agents that have been used more than a certain (configurable) number of times are destroyed and a fresh agent created in their place.

Response

Examine the log to see if further information is available relating to the failure to create the agent.

AMQ8838 (Tandem)

EC number <insert_1> in Queue Manager <insert_4> initiated creation of an idle <insert_5> agent.

Severity

30 : Severe error

Explanation

An EC successfully initiated the creation of an idle <insert_5> agent process. The EC normally performs this operation as a result of managing the pool of idle agents. Agents that have been used more than a certain (configurable) number of times are destroyed and a fresh agent created in their place.

AMQ8839 (Tandem)

EC number <insert_1> in Queue Manager <insert_4> failed to complete a <insert_3> request for channel <insert_5>.

Severity

40 : Stop Error

Explanation

An EC failed to complete the processing of a <insert_3> request. The originator of the request is passed the completion status and reason code.

Response

Examine the log to see if further information is available relating to the failure to complete the processing of the request.

AMQ8840 (Tandem)

EC number <insert_1> in Queue Manager <insert_4> failed to complete an agent status request for agent process <insert_3>.

Severity

40 : Stop Error

Explanation

An EC failed to complete the processing of an agent status request. The EC Boss or EC has detected an inconsistency in context information about the agent.

Response

Examine the log to see if further information is available relating to the failure to complete the processing of the request.

AMQ8841 (Tandem)

EC process <insert_3> in Queue Manager <insert_4> is waiting for the EC Boss to initialize.

Severity

30 : Severe error

Explanation

An EC is waiting for the EC Boss to initialize and create its entry in the RUNTIME file for the Queue Manager.

AMQ8842 (Tandem)

Error attempting to create queue manager.

Severity

40 : Stop Error

Explanation

MQ verification request, omvStartChildProcess, failed.

Response

None.

AMQ8843 (Tandem)

Queue manager, <insert_3>, created successfully

Severity

0 : Information

Response

None.

AMQ8844 (Tandem)

Queue manager, <insert_3>, already created

Severity

0 : Information

Response

None.

AMQ8845 (Tandem)

An MQSeries NonStop Server has restarted its backup process

Severity

40 : Stop Error

Explanation

The MQSeries NonStop Server process <insert_3> detected the failure of its backup process and has restarted a new backup in CPU <insert_1>.

Response

Use the standard operating system facilities to diagnose the cause of the backup NonStop Server failure and attempt to correct it. MQSeries will continue without interruption.

AMQ8846 (Tandem)

MQSeries NonStop Server takeover initiated

Severity

40 : Stop Error

Explanation

The MQSeries NonStop Server backup process <insert_3> detected the failure of its primary process and is in the process of taking over and starting a new backup. The new NonStop Server primary process is now running in CPU <insert_1>.

Response

Use the standard operating system facilities to diagnose the cause of the primary NonStop Server failure and attempt to correct it. MQSeries will continue without interruption.

AMQ8847 (Tandem)

The EC Boss in Queue Manager <insert_4> failed to find an EC to service a request.

Severity

40 : Stop Error

Explanation

The EC Boss failed to find an active EC to service a request that was made, either by an application (in order to start a connection), or by an administration command (for example, to start or stop a channel). It is possible that all ECs in the Queue Manager have failed repeatedly, exceeding the maximum number of restarts allowed by PATHWAY.

Response

Examine the log to see if further information is available on the state of the Queue Manager. The Queue Manager will need to be ended and restarted.

AMQ8850 (Tandem)

Warning: MQSeries Licence Exception Detected MQSeries has detected that this environment exceeds the authorized licence registration. Please review your licence registration by running the installation program INSTMQM with the -l option and if necessary, obtain the required extra use-authorization from your program provider to avoid being in breach of your MQSeries licence agreement.

Severity

0 : Information

Explanation

None.

Response

None.

AMQ8851 (Tandem)

MQSeries CleanRDF utility has detected an error

Severity

40 : Stop Error

Explanation

CleanRDF (queue manager <insert_5>) encountered a(n) <insert_4> error on the rdfpurge file <insert_3>. The file system returned error code <insert_1>.

Response

Use the standard operating system facilities to verify the state of this file and reinvoke the utility if the error is deemed transient.

AMQ8852 (Tandem)

MQSeries CleanRDF utility has detected an error

Severity

40 : Stop Error

Explanation

CleanRDF (queue manager <insert_5>) has detected that the backup system <insert_4> is inaccessible. The file system returned error code <insert_1>.

Response

Contact your systems administrator and reinvoke the utility if the error is deemed transient.

AMQ8853 (Tandem)

MQSeries CleanRDF utility has detected an error

Severity

40 : Stop Error

Explanation

CleanRDF (queue manager <insert_5>) has encountered a TM/MP <insert_4> error. The system returned error code <insert_1>.

Response

Contact your systems administrator and reinvoke the utility if the error is deemed transient.

AMQ8854 (Tandem)

MQSeries CleanRDF utility has detected an error

Severity

40 : Stop Error

Explanation

CleanRDF (queue manager <insert_5>) encountered a(n) <insert_4> error on file <insert_3>. The system returned error code <insert_1>.

Response

Ensure that a file with this name exists on the same volume and subvolume (i.e. create if necessary - format is irrelevant) on both the primary system and backup systems before reinvoking the utility.

AMQ8855 (Tandem)

MQSeries CleanRDF utility has detected an error

Severity

40 : Stop Error

Explanation

CleanRDF (queue manager <insert_5>) encountered a(n) <insert_4> error for the FUP process <insert_3>. The system returned error code <insert_1>.

Response

Use the standard operating system facilities to verify the MQRDFUPPROGNAME and MQRDFUPPROCESSNAME environment parameters. Reinvoke the utility if the error is deemed transient.

AMQ8856 (Tandem)

MQSeries CleanRDF utility has detected an error

Severity

40 : Stop Error

Explanation

CleanRDF (queue manager <insert_5>) encountered an error when attempting to duplicate file <insert_3> to backup system <insert_4>. The system returned error code <insert_1>.

Response

Use the standard operating system facilities to verify the state of this file on both primary and backup systems. Reinvoke the utility if the error is deemed transient.

AMQ8857 (Tandem)

MQSeries CleanRDF utility STATISTICS Message

Severity

40 : Stop Error

Explanation

CleanRDF of queue manager <insert_5> has completed operation. <insert_1> files were deleted. <insert_2> files were Skipped. <insert_3> static files were duplicated to backup system <insert_4>.

AMQ8871

Entity, principal or group not known.

Severity

20 : Error

Explanation

The authorization entity, which can be either a principal or a group, could not be found.

AMQ8874 (Tandem)

Placeholder for new message

Severity

40 : Stop Error

Explanation

This is a placeholder for a new message

AMQ8875 (Tandem)

Placeholder for new message

Severity

40 : Stop Error

Explanation

This is a placeholder for a new message

AMQ8876 (Tandem)

Placeholder for new message

Severity

40 : Stop Error

Explanation

This is a placeholder for a new message

AMQ8877

WebSphere MQ channel authentication record set.

Severity

0 : Information

Explanation

WebSphere MQ channel authentication record set.

AMQ8878

Display channel authentication record details.

Severity

0 : Information

Explanation

The display channel authentication command completed successfully. Details follow this message.

AMQ8879

Channel authentication record type not valid.

Severity

20 : Error

Explanation

The type parameter specified on the command was not valid.

Response

Specify a valid type. Refer to the WebSphere MQ Script (MQSC) Command Reference to determine an allowable combination of parameters for this command.

AMQ8880

Channel authentication record action not valid.

Severity

20 : Error

Explanation

The action parameter specified on the command was not valid.

Response

Specify a valid action. Refer to the WebSphere MQ Script (MQSC) Command Reference to determine an allowable combination of parameters for this command.

AMQ8881

Channel authentication record user source not valid.

Severity

20 : Error

Explanation

The user source parameter specified on the command was not valid.

Response

Specify a valid user source. Refer to the WebSphere MQ Script (MQSC) Command Reference to determine an allowable combination of parameters for this command.

AMQ8882

Parameter not allowed for this channel authentication record type.

Severity

20 : Error

Explanation

The parameter is not allowed for the type of channel authentication record being set or displayed.

Response

Refer to the description of the parameter in error to determine the types of record for which this parameter is valid.

AMQ8883

Channel authentication record already exists.

Severity

20 : Error

Explanation

An attempt was made to add a channel authentication record, but it already exists.

Response

Specify action as MQACT_REPLACE.

AMQ8884

Channel authentication record not found.

Severity

20 : Error

Explanation

The specified channel authentication record does not exist.

Response

Specify a channel authentication record that exists.

AMQ8885

Parameter not allowed for this action on a channel authentication record.

Severity

20 : Error

Explanation

The parameter is not allowed for the action being applied to a channel authentication record. Refer to the description of the parameter in error to determine the actions for which this parameter is valid.

Response

Remove the parameter.

AMQ8886

Parameter not allowed for this channel authentication record user source value.

Severity

20 : Error

Explanation

The parameter is not allowed for a channel authentication record with the value that the user source field contains. Refer to the description of the parameter in error to determine the values of user source for which this parameter is valid.

Response

Remove the parameter.

AMQ8887

Parameter not allowed for this channel authentication record match value.

Severity

20 : Error

Explanation

The parameter is not allowed for an inquire channel authentication record with the value that the match field contains. Refer to the description of the parameter in error to determine the values of match for which this parameter is valid.

Response

Remove the parameter.

AMQ8888

Channel authentication record warn value not valid.

Severity

20 : Error

Explanation

The warn parameter specified on the command was not valid.

Response

Specify a valid value for warn. Refer to the WebSphere MQ Script (MQSC) Command Reference to determine an allowable combination of parameters for this command.

AMQ8891

Channel authentication profile name is invalid.

Severity

20 : Error

Explanation

The channel profile name used in the command was not valid. This may be because it contained characters which are not accepted in WebSphere MQ names, or characters which are not valid for the specified profile type.

Response

None.

AMQ8901 (Tandem)

A Status Server has started

Severity

0 : Information

Explanation

A Status Server in CPU <insert_1> has started. The process is named <insert_3>.

Response

None.

AMQ8902 (Tandem)

A Status Server has ended normally.

Severity

0 : Information

Explanation

A Status Server in CPU <insert_1> has ended normally. The process was named <insert_3>.

Response

None.

AMQ8903 (Tandem)

A Status Server has ended with errors.

Severity

0 : Information

Explanation

A Status Server in CPU <insert_1> has ended with errors. The process was named <insert_3>. The error return code reported by the Status Server is <insert_2>. The Status Server should be restarted automatically by the Queue Manager.

Response

Verify that the Status Server has restarted correctly. Examine the Queue Manager FD subvolume for FFST files that may have been generated by the Status Server. Use the process name to locate the relevant FFSTs. Attempt to reconstruct the chain of events or symptoms that lead to the failure and save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ8904 (Tandem)

A Status Server has detected a CPU failure.

Severity

0 : Information

Explanation

The Status Server process <insert_3> has detected that CPU <insert_1> failed. If there were components of the Status Manager that were running in this CPU, they will now no longer be available, and application connections and channels may be dropped. The Status Manager should continue to be available to new connections and channels. Any Status Server and Queue Server processes that were running in that CPU will be replaced in other available CPUs.

Response

None normally necessary. Applications could experience the reason code MQRC_CONNECTION_BROKEN (2009) from MQI operations in progress that used agent processes running in the failed CPUs, but they should be able to immediately re-connect successfully.

AMQ8905 (Tandem)

A Status Server completed takeover processing.

Severity

0 : Information

Explanation

The Status Server process <insert_3> has completed processing that was associated with a prior takeover from a failed primary Status Server process, or the failure of the CPU that it was running in. Normal processing resumes after this point, and the Status Server is again in a state where it is resilient to any single point of failure.

Response

None normally necessary. This message is logged to provide positive confirmation that the takeover is complete.

AMQ8906 (Tandem)

More Channel Status' hardened than Max allowed.

Severity

0 : Information

Explanation

There were more Channel Status' hardened to the STABLE than the MAXACTIVECHANNELS in the QMINI File.

Response

None.

AMQ8919

There are no matching IBM WebSphere MQ queue manager names.

Severity

30 : Severe error

AMQ8934 (IBM i)

Message :

Severity

10 : Warning

AMQ8935 (IBM i)

Cause :

Severity

10 : Warning

AMQ8936 (IBM i)

Recovery :

Severity

10 : Warning

AMQ8937 (IBM i)

Technical Description :

Severity

10 : Warning

AMQ8A01 (IBM i)

Create Message Queue Manager

AMQ8A02 (IBM i)

Delete Message Queue Manager

- AMQ8A04 (IBM i)**
Work with MQ Messages
- AMQ8A05 (IBM i)**
Change Message Queue Manager
- AMQ8A06 (IBM i)**
Display Message Queue Manager
- AMQ8A07 (IBM i)**
End Message Queue Manager
- AMQ8A08 (IBM i)**
Start Message Queue Manager
- AMQ8A09 (IBM i)**
Change MQ Queue
- AMQ8A0A (IBM i)**
Clear MQ Queue
- AMQ8A0B (IBM i)**
Copy MQ Queue
- AMQ8A0C (IBM i)**
Create MQ Queue
- AMQ8A0D (IBM i)**
Delete MQ Queue
- AMQ8A0E (IBM i)**
Display MQ Queue
- AMQ8A0F (IBM i)**
Work with MQ Queues
- AMQ8A10 (IBM i)**
Change MQ Process
- AMQ8A11 (IBM i)**
Copy MQ Process
- AMQ8A12 (IBM i)**
Create MQ Process
- AMQ8A13 (IBM i)**
Delete MQ Process
- AMQ8A14 (IBM i)**
Display MQ Process
- AMQ8A15 (IBM i)**
Work with MQ Processes
- AMQ8A16 (IBM i)**
Start MQ Command Server
- AMQ8A17 (IBM i)**
End MQ Command Server
- AMQ8A18 (IBM i)**
Display MQ Command Server
- AMQ8A19 (IBM i)**
Set MQ
- AMQ8A20 (IBM i)**
Quiesce Message Queue Managers
- AMQ8A21 (IBM i)**
Quiesce Retry Delay

AMQ8A23 (IBM i)
Work with Queue Status

AMQ8A30 (IBM i)
Create MQ Channel

AMQ8A31 (IBM i)
Display MQ Channel

AMQ8A32 (IBM i)
Start MQ Listener

AMQ8A33 (IBM i)
Ping MQ Channel

AMQ8A34 (IBM i)
Delete MQ Channel

AMQ8A36 (IBM i)
Work with MQ Channels

AMQ8A37 (IBM i)
Change MQ Channel

AMQ8A38 (IBM i)
Copy MQ Channel

AMQ8A39 (IBM i)
Reset MQ Channel

AMQ8A40 (IBM i)
End MQ Channel

AMQ8A41 (IBM i)
Start MQ Channel

AMQ8A42 (IBM i)
Start MQ Channel Initiator

AMQ8A43 (IBM i)
Grant MQ Object Authority

AMQ8A44 (IBM i)
Revoke MQ Object Authority

AMQ8A45 (IBM i)
Display MQ Object Authority

AMQ8A46 (IBM i)
Display MQ Object Names

AMQ8A47 (IBM i)
Refresh IBM WebSphere MQ Authority

AMQ8A48 (IBM i)
Work with MQ Authority

AMQ8A49 (IBM i)
Start MQ Service

AMQ8A50 (IBM i)
End MQ Service

AMQ8A51 (IBM i)
Connect MQ

AMQ8A52 (IBM i)
Disconnect MQ

AMQ8A53 (IBM i)
Work with MQ Authority Data

AMQ8A54 (IBM i)
Resolve MQ Channel

AMQ8A55 (IBM i)
Work with MQ Channel Status

AMQ8A56 (IBM i)
SSL Client Authentication

AMQ8A57 (IBM i)
SSL CipherSpec

AMQ8A58 (IBM i)
SSL Peer name

AMQ8A59 (IBM i)
Local communication address

AMQ8A5A (IBM i)
Batch Heartbeat Interval

AMQ8A5B (IBM i)
Remove Queues

AMQ8A5C (IBM i)
Refresh Repository

AMQ8A5D (IBM i)
IP Address

AMQ8A60 (IBM i)
Cluster Name

AMQ8A61 (IBM i)
Cluster Name List

AMQ8A62 (IBM i)
Mode Name

AMQ8A63 (IBM i)
Password

AMQ8A64 (IBM i)
Transaction Program Name

AMQ8A65 (IBM i)
User Profile

AMQ8A66 (IBM i)
Network Connection Priority

AMQ8A67 (IBM i)
Batch Interval

AMQ8A68 (IBM i)
Batch Interval

AMQ8A69 (IBM i)
Cluster Workload Exit Data

AMQ8A6A (IBM i)
Cluster Workload Exit

AMQ8A6B (IBM i)
Repository Cluster

AMQ8A6C (IBM i)
Repository Cluster Namelist

AMQ8A6D (IBM i)
Cluster Workload Exit Data Length

AMQ8A6E (IBM i)
Maximum Message Length

AMQ8A6F (IBM i)
Default Queue Manager

AMQ8A70 (IBM i)
Default Binding

AMQ8A71 (IBM i)
Channel Table

AMQ8A72 (IBM i)
Change MQ Namelist

AMQ8A73 (IBM i)
List of Names

AMQ8A74 (IBM i)
Namelist

AMQ8A75 (IBM i)
Create MQ Namelist

AMQ8A76 (IBM i)
recreate MQ Object

AMQ8A77 (IBM i)
Record MQ Object Image

AMQ8A78 (IBM i)
Start IBM WebSphere MQ Commands

AMQ8A7A (IBM i)
Copy MQ Namelist

AMQ8A7B (IBM i)
From Namelist

AMQ8A7C (IBM i)
To Namelist

AMQ8A7D (IBM i)
Delete MQ Namelist

AMQ8A7E (IBM i)
Display MQ Namelist

AMQ8A7F (IBM i)
Work with MQ Namelist

AMQ8A80 (IBM i)
Group Profile

AMQ8A81 (IBM i)
User Profile

AMQ8A82 (IBM i)
Service Component

AMQ8A83 (IBM i)
Work with MQ Queue Manager

AMQ8A84 (IBM i)
Work with MQ Clusters

AMQ8A85 (IBM i)
Start MQ Trigger Monitor

AMQ8A86 (IBM i)
End MQ Listeners

AMQ8A87 (IBM i)

Work with MQ Transactions

AMQ8A88 (IBM i)

Resolve MQ Transaction

AMQ8A89 (IBM i)

Work with MQ Cluster Queues

AMQ8A8A (IBM i)

Display Journal Receiver Data

AMQ8A8B (IBM i)

Start MQ Pub/Sub Broker

AMQ8A8C (IBM i)

End MQ Pub/Sub Broker

AMQ8A8D (IBM i)

Display MQ Pub/Sub Broker

AMQ8A8E (IBM i)

Clear MQ Pub/Sub Broker

AMQ8A8F (IBM i)

Delete MQ Pub/Sub Broker

AMQ8B01 (IBM i)

Message Queue Manager name

AMQ8B02 (IBM i)

Text 'description'

AMQ8B03 (IBM i)

Trigger interval

AMQ8B04 (IBM i)

Undelivered message queue

AMQ8B05 (IBM i)

Default transmission queue

AMQ8B06 (IBM i)

Maximum handle limit

AMQ8B07 (IBM i)

Maximum uncommitted messages

AMQ8B08 (IBM i)

Queue name

AMQ8B09 (IBM i)

Output

AMQ8B0A (IBM i)

Library

AMQ8B0B (IBM i)

File to receive output

AMQ8B0C (IBM i)

OPTION(*MVS) not valid without specifying a value for WAIT.

Severity

40 : Stop Error

Explanation

The OPTION(*MVS) parameter may not be specified without specifying a value for the WAIT parameter.

Response

Remove the OPTION(*MVS) parameter from the command or, specify a value for the WAIT parameter. Then try the command again.

AMQ8B0D (IBM i)

Member to receive output

AMQ8B0E (IBM i)

Replace or add records

AMQ8B0F (IBM i)

Option

AMQ8B10 (IBM i)

Mode

AMQ8B11 (IBM i)

Put enabled

AMQ8B12 (IBM i)

Default message priority

AMQ8B13 (IBM i)

Default message persistence

AMQ8B14 (IBM i)

Process name

AMQ8B15 (IBM i)

Triggering enabled

AMQ8B16 (IBM i)

Get enabled

AMQ8B17 (IBM i)

Sharing enabled

AMQ8B18 (IBM i)

Default share option

AMQ8B19 (IBM i)

Message delivery sequence

AMQ8B1A (IBM i)

Harden backout count

AMQ8B1B (IBM i)

Trigger type

AMQ8B1C (IBM i)

Trigger depth

AMQ8B1D (IBM i)

Trigger message priority

AMQ8B1E (IBM i)

Trigger data

AMQ8B1F (IBM i)

Retention interval

AMQ8B20 (IBM i)

Maximum queue depth

AMQ8B21 (IBM i)

Maximum message length

AMQ8B22 (IBM i)

Backout threshold

AMQ8B23 (IBM i)
Backout requeue name

AMQ8B24 (IBM i)
Initiation queue

AMQ8B25 (IBM i)
Usage

AMQ8B26 (IBM i)
Definition type

AMQ8B27 (IBM i)
Target object

AMQ8B28 (IBM i)
Remote queue

AMQ8B29 (IBM i)
Remote Message Queue Manager

AMQ8B2A (IBM i)
Transmission queue

AMQ8B2B (IBM i)
From queue name

AMQ8B2C (IBM i)
To queue name

AMQ8B2D (IBM i)
Replace

AMQ8B2E (IBM i)
Queue type

AMQ8B2F (IBM i)
Application type

AMQ8B30 (IBM i)
Application identifier

AMQ8B31 (IBM i)
User data

AMQ8B32 (IBM i)
Environment data

AMQ8B33 (IBM i)
From process

AMQ8B34 (IBM i)
To process

AMQ8B36 (IBM i)
Job name

AMQ8B37 (IBM i)
Number

AMQ8B3A (IBM i)
Convert message

AMQ8B3B (IBM i)
Replace to member

AMQ8B3C (IBM i)
Heartbeat interval

AMQ8B3D (IBM i)
Non Persistent Message Speed

AMQ8B3E (IBM i)
Force

AMQ8B3F (IBM i)
No Jobs to display

AMQ8B41 (IBM i)
Queue definition scope

AMQ8B42 (IBM i)
Queue depth high threshold

AMQ8B43 (IBM i)
Queue depth low threshold

AMQ8B44 (IBM i)
Queue full events enabled

AMQ8B45 (IBM i)
Queue high events enabled

AMQ8B46 (IBM i)
Queue low events enabled

AMQ8B47 (IBM i)
Service interval

AMQ8B48 (IBM i)
Service interval events

AMQ8B49 (IBM i)
Distribution list support

AMQ8B4A (IBM i)
Parent Message Queue Manager

AMQ8B4B (IBM i)
Break Parent link

AMQ8B4C (IBM i)
Child Message Queue Manager

AMQ8B53 (IBM i)
Authorization events enabled

AMQ8B54 (IBM i)
Inhibit events enabled

AMQ8B55 (IBM i)
Local error events enabled

AMQ8B56 (IBM i)
Remote error events enabled

AMQ8B57 (IBM i)
Performance events enabled

AMQ8B58 (IBM i)
Start and stop events enabled

AMQ8B59 (IBM i)
Automatic Channel Definition

AMQ8B5A (IBM i)
Automatic Channel Definition events enabled

AMQ8B5B (IBM i)
Automatic Channel Definition exit program

AMQ8B5C (IBM i)
Redefine system objects

AMQ8B5D (IBM i)

Wait time

AMQ8B5E (IBM i)

Startup Status Detail

AMQ8B60 (IBM i)

Transaction type

AMQ8B61 (IBM i)

Log recovery events enabled

AMQ8B62 (IBM i)

IP protocol

AMQ8B63 (IBM i)

Configuration events enabled

AMQ8B64 (IBM i)

Refresh Message Queue Manager

AMQ8B65 (IBM i)

Refresh Type

AMQ8B66 (IBM i)

Include Interval

AMQ8B67 (IBM i)

IBM WebSphere MQ queue manager refreshed.

AMQ8B68 (IBM i)

Channel events enabled

AMQ8B69 (IBM i)

SSL events enabled

AMQ8B6A (IBM i)

Filter command

AMQ8B6B (IBM i)

Filter keyword

AMQ8B6C (IBM i)

Filter operator

AMQ8B6D (IBM i)

Filter value

AMQ8B6E (IBM i)

Filter value *<insert_3>* not valid with keyword *<insert_4>*.

Severity

30 : Severe error

Explanation

The filter value *<insert_3>* is not valid with the keyword *<insert_4>*.

Response

Specify a valid filter value for the keyword *<insert_4>*.

AMQ8B70 (IBM i)

Change MQ AuthInfo object

AMQ8B71 (IBM i)

Copy MQ AuthInfo object

AMQ8B72 (IBM i)

Create MQ AuthInfo object

AMQ8B73 (IBM i)

Delete MQ AuthInfo object

AMQ8B74 (IBM i)
Display MQ AuthInfo object

AMQ8B75 (IBM i)
From AuthInfo name

AMQ8B76 (IBM i)
AuthInfo name

AMQ8B77 (IBM i)
AuthInfo type

AMQ8B78 (IBM i)
User name

AMQ8B79 (IBM i)
User password

AMQ8B7A (IBM i)
Work with AuthInfo objects

AMQ8B7B (IBM i)
To AuthInfo name

AMQ8B80 (IBM i)
Change MQ Processor Allowance

AMQ8B81 (IBM i)
Display MQ Processor Allowance

AMQ8B82 (IBM i)
Sufficient Licence Units

AMQ8C01 (IBM i)
From channel

AMQ8C02 (IBM i)
Channel name

AMQ8C03 (IBM i)
Channel type

AMQ8C04 (IBM i)
SSL key reset count

AMQ8C05 (IBM i)
Remote queue manager

AMQ8C07 (IBM i)
Transmission queue

AMQ8C08 (IBM i)
Connection name

AMQ8C09 (IBM i)
Message channel agent

AMQ8C10 (IBM i)
Message channel agent user ID

AMQ8C12 (IBM i)
Batch size

AMQ8C13 (IBM i)
Disconnect interval

AMQ8C14 (IBM i)
Short retry count

AMQ8C15 (IBM i)
Short retry interval

AMQ8C16 (IBM i)
Long retry count

AMQ8C17 (IBM i)
Long retry interval

AMQ8C18 (IBM i)
Security exit

AMQ8C19 (IBM i)
Message exit

AMQ8C20 (IBM i)
Send exit

AMQ8C21 (IBM i)
Receive exit

AMQ8C22 (IBM i)
SSL CRL Namelist

AMQ8C23 (IBM i)
SSL Key Repository

AMQ8C24 (IBM i)
Put authority

AMQ8C25 (IBM i)
Sequence number wrap

AMQ8C27 (IBM i)
Transport type

AMQ8C28 (IBM i)
Data count

AMQ8C29 (IBM i)
Count

AMQ8C30 (IBM i)
To channel

AMQ8C31 (IBM i)
Message sequence number

AMQ8C32 (IBM i)
SSL Cryptographic Hardware

AMQ8C33 (IBM i)
Security exit user data

AMQ8C34 (IBM i)
Send exit user data

AMQ8C35 (IBM i)
Receive exit user data

AMQ8C36 (IBM i)
Message exit user data

AMQ8C37 (IBM i)
Resolve option

AMQ8C38 (IBM i)
Connection name

AMQ8C39 (IBM i)
Transmission queue name

AMQ8C40 (IBM i)
SSL Repository Password

AMQ8C41 (IBM i)
First Message

AMQ8C42 (IBM i)
Maximum number of messages

AMQ8C43 (IBM i)
Maximum message size

AMQ8C44 (IBM i)
Message retry exit

AMQ8C45 (IBM i)
Message retry exit data

AMQ8C46 (IBM i)
Number of message retries

AMQ8C47 (IBM i)
Message retry interval

AMQ8C48 (IBM i)
Coded Character Set

AMQ8C49 (IBM i)
Max message length

AMQ8C50 (IBM i)
Repository name

AMQ8C51 (IBM i)
Repository name list

AMQ8C52 (IBM i)
Cluster workload exit length

AMQ8C53 (IBM i)
Cluster workload exit

AMQ8C54 (IBM i)
Cluster workload exit data

AMQ8C55 (IBM i)
Suspend Cluster Queue Manager

AMQ8C56 (IBM i)
Reset Cluster

AMQ8C57 (IBM i)
Refresh MQ Cluster

AMQ8C58 (IBM i)
Resume Cluster Queue Manager

AMQ8C59 (IBM i)
Action

AMQ8C5A (IBM i)
Queue Manager Name for removal

AMQ8C5B (IBM i)
Work with MQ Listeners

AMQ8C5C (IBM i)
Queue Manager Id for removal

AMQ8C60 (IBM i)
Display Cluster Message Queue Manager

AMQ8C61 (IBM i)
Cluster Queue Manager name

AMQ8C62 (IBM i)
End MQ Listeners

AMQ8C63 (IBM i)
Port number

AMQ8C64 (IBM i)
Message channel agent Type

AMQ8C65 (IBM i)
Task user identifier

AMQ8D01 (IBM i)
Trace MQ

AMQ8D02 (IBM i)
Trace option setting

AMQ8D03 (IBM i)
Trace level

AMQ8D04 (IBM i)
Trace types

AMQ8D05 (IBM i)
Maximum storage to use

AMQ8D06 (IBM i)
Trace early

AMQ8D07 (IBM i)
Exclude types

AMQ8D08 (IBM i)
Trace interval

AMQ8D0A (IBM i)
Output member options

AMQ8D10 (IBM i)
Object name

AMQ8D11 (IBM i)
Object type

AMQ8D12 (IBM i)
User names

AMQ8D13 (IBM i)
Authority

AMQ8D14 (IBM i)
Authorization list

AMQ8D15 (IBM i)
Reference object name

AMQ8D16 (IBM i)
Reference object type

AMQ8D17 (IBM i)
Object name

AMQ8D18 (IBM i)
Process name

AMQ8D19 (IBM i)
Queue name

AMQ8D1A (IBM i)
Queue Manager Library

AMQ8D1B (IBM i)

ASP Number

AMQ8D1C (IBM i)

Journal receiver threshold

AMQ8D1D (IBM i)

Journal buffer size

AMQ8D20 (IBM i)

Channel name

AMQ8D22 (IBM i)

Cluster name

AMQ8D23 (IBM i)

Cluster namelist name

AMQ8D24 (IBM i)

User name

AMQ8D25 (IBM i)

Channel status

AMQ8D26 (IBM i)

End connected jobs

AMQ8D27 (IBM i)

Timeout interval (seconds)

AMQ8D28 (IBM i)

Object/Profile name

AMQ8D29 (IBM i)

Service Component name

AMQ8D2A (IBM i)

Work with MQ Topics

AMQ8D2B (IBM i)

Topic name

AMQ8D2C (IBM i)

No topics to display

AMQ8D2D (IBM i)

Delete MQ Topic

AMQ8D2E (IBM i)

Display MQ Topic

AMQ8D30 (IBM i)

Keep Alive Interval

AMQ9000-9999: Remote**AMQ9001**

Channel <insert_3> ended normally.

Severity

0 : Information

Explanation

Channel <insert_3> ended normally.

Response

None.

AMQ9002

Channel <insert_3> is starting.

Severity

0 : Information

Explanation

Channel <insert_3> is starting.

Response

None.

AMQ9003 (IBM i)

Channel <insert_3> last message sequence number is <insert_1>.

Severity

0 : Information

Explanation

Channel <insert_3> last message sequence number is <insert_1>.

Response

None.

AMQ9004 (IBM i)

Channel <insert_3> status information.

Severity

0 : Information

Explanation

Channel <insert_3> status information: Number of Messages in Doubt - <insert_1> In Doubt Sequence Number - <insert_2> In Doubt Logic Unit of Work ID - <insert_4>

Response

None.

AMQ9181

The response set by the exit is not valid.

Severity

30 : Severe error

Explanation

The user exit <insert_3> returned a response code <insert_1> that is not valid in the ExitResponse field of the channel exit parameters (MQCXP). Message AMQ9190 is issued giving more details, and the channel stops.

Response

Investigate why the user exit program set a response code that is not valid.

AMQ9182

The secondary response set by the exit is not valid.

Severity

30 : Severe error

Explanation

The user exit <insert_3> returned a secondary response code <insert_1> in the ExitResponse2 field of the channel exit parameters (MQCXP) that is not valid. Message AMQ9190 is issued giving more details, and the channel stops.

Response

Investigate why the user exit program set a secondary response code that is not valid.

AMQ9184

The exit buffer address set by the exit is not valid.

Severity

30 : Severe error

Explanation

The user exit <insert_3> returned an address <insert_1> for the exit buffer that is not valid, when the secondary response code in the ExitResponse2 field of the channel exit parameters (MQCXP) is set to MQXR2_USE_EXIT_BUFFER. Message AMQ9190 is issued giving more details, and the channel stops.

Response

Investigate why the user exit program set an exit buffer address that is not valid. The most likely cause is the failure to set a value, so that the value is 0.

AMQ9185

The exit space set by the exit is not valid.

Severity

30 : Severe error

Explanation

The user exit <insert_3> returned an exit space value <insert_1> that is not valid in the ExitSpace field of the channel exit parameters (MQCXP). Message AMQ9190 is issued giving more details, and the channel stops.

Response

Investigate why the user exit program set an exit space value that is not valid. Correct the error.

AMQ9186

Too much exit space reserved by send exits.

Severity

30 : Severe error

Explanation

At exit initialization the send exits in the send exit chain for channel <insert_3> returned values in the ExitSpace field of the channel exit parameters (MQCXP). The total of these ExitSpace values is <insert_1>. The maximum number of bytes that can be sent in a single transmission is <insert_2>. Room must be left for at least 1024 bytes of message data in each transmission. So too much exit space has been reserved by the send exits. The channel stops.

Response

Investigate why the send exit programs set exit space values that are too large. Correct the error.

AMQ9187

The header compression value set by the exit is not valid.

Severity

30 : Severe error

Explanation

The user exit <insert_3> returned a header compression value <insert_1> in the CurHdrCompression field of the channel exit parameters (MQCXP) that was not one of the negotiated supported values specified in the HdrComplList field of the channel description (MQCD). Message AMQ9190 is issued giving more details, and the channel stops.

Response

Investigate why the user exit program specified a header compression value that was not one of the negotiated supported values.

AMQ9188

The message compression value set by the exit is not valid.

Severity

30 : Severe error

Explanation

The user exit <insert_3> returned a message compression value <insert_1> in the CurMsgCompression field of the channel exit parameters (MQCXP) that was not one of the negotiated supported values specified in the MsgComplList field of the channel description (MQCD). Message AMQ9190 is issued giving more details, and the channel stops.

Response

Investigate why the user exit program specified a message compression value that was not one of the negotiated supported values.

AMQ9189

The data length set by the exit is not valid.

Severity

30 : Severe error

Explanation

The user exit <insert_3> returned a data length value <insert_1> that was not greater than zero. Message AMQ9190 is issued giving more details, and the channel stops.

Response

Investigate why the user exit program set a data length that is not valid.

AMQ9190

Channel stopping because of an error in the exit.

Severity

30 : Severe error

Explanation

The user exit <insert_3>, invoked for channel <insert_4> with id <insert_1> and reason <insert_2>, returned values that are not valid, as reported in the preceding messages. The channel stops.

Response

Investigate why the user exit program set values that are not valid.

AMQ9195

Data length larger than maximum segment length.

Severity

30 : Severe error

Explanation

The data length <insert_1> set by send exit <insert_3> is larger than the maximum segment length (<insert_2>). The maximum segment length is the maximum number of bytes that can be sent in a single transmission minus the user exit space required by all the send exits subsequent to the current one in the send exit chain. Message AMQ9190 is issued giving more details, and the channel stops.

Response

Investigate why the user exit program set a data length that is not valid. Correct the error.

AMQ9196

Data length is larger than the agent buffer length.

Severity

30 : Severe error

Explanation

The data length <insert_1> set by exit <insert_3> is larger than the agent buffer length. The user exit returned data in the supplied agent buffer, but the length specified is greater than the length of the buffer. Message AMQ9190 is issued giving more details, and the channel stops.

Response

Investigate why the user exit program set a data length that is not valid. Correct the error.

AMQ9197

Data length is larger than the exit buffer length.

Severity

30 : Severe error

Explanation

The data length <insert_1> set by exit <insert_3> is larger than the exit buffer length. The user exit returned data in the supplied exit buffer, but the length specified is greater than the length of the buffer. Message AMQ9190 is issued giving more details, and the channel stops.

Response

Investigate why the user exit program set a data length that is not valid.

AMQ9201

Allocate failed to host <insert_3>.

Severity

30 : Severe error

Explanation

The attempt to allocate a conversation using <insert_4> to host <insert_3> was not successful.

Response

The error may be due to an incorrect entry in the <insert_4> parameters contained in the channel definition to host <insert_3>. Correct the error and try again. If the error persists, record the error values and contact your systems administrator. The return code from the <insert_4> <insert_5> call was <insert_1> (X<insert_2>). It may be possible that the listening program at host <insert_3> is not running. If this is the case, perform the relevant operations to start the listening program for protocol <insert_4> and try again.

AMQ9202

Remote host <insert_3> not available, retry later.

Severity

30 : Severe error

Explanation

The attempt to allocate a conversation using <insert_4> to host <insert_3> was not successful. However the error may be a transitory one and it may be possible to successfully allocate a <insert_4> conversation later.

Response

Try the connection again later. If the failure persists, record the error values and contact your systems administrator. The return code from <insert_4> is <insert_1> (X<insert_2>). The reason for the failure may be that this host cannot reach the destination host. It may also be possible that the listening program at host <insert_3> was not running. If this is the case, perform the relevant operations to start the <insert_4> listening program, and try again.

AMQ9203

A configuration error for <insert_4> occurred.

Severity

30 : Severe error

Explanation

Error in configuration for communications to host <insert_3> . Allocation of a <insert_4> conversation to host <insert_3> was not possible.

Response

The configuration error may be one of the following:

- 1.If the communications protocol is LU 6.2, it may be that one of the transmission parameters (Mode, or TP Name) is incorrect. Correct the error and try again. The mode name should be the same as the mode defined on host <insert_3>. The TP name on <insert_3> should be defined.
- 2.If the communications protocol is LU 6.2, it may be that an LU 6.2 session has not been established. Contact your systems administrator.
- 3.If the communications protocol is TCP/IP, it may be that the host name specified is incorrect. Correct the error and try again.
- 4.If the communications protocol is TCP/IP, it may be that the host name specified cannot be resolved to a network address. The host name may not be in the name server.

The return code from the <insert_4><insert_5> call was <insert_1> (X<insert_2>).

Record the error values and tell the system administrator.

AMQ9204

Connection to host <insert_3> rejected.

Severity

30 : Severe error

Explanation

Connection to host <insert_3> over <insert_4> was rejected.

Response

The remote system may not be configured to allow connections from this host. Check the <insert_4> listener program has been started on host <insert_3>.

If the conversation uses LU 6.2, it is possible that either the User ID or Password supplied to the remote host is incorrect.

If the conversation uses TCP/IP, it is possible that the remote host does not recognize the local host as a valid host.

The return code from the <insert_4><insert_5> call was <insert_1> X(<insert_2>).

Record the error values and tell the systems administrator.

AMQ9205

The host name supplied is not valid.

Severity

30 : Severe error

Explanation

The supplied <insert_4> host name <insert_3> could not be resolved into a network address. Either the name server does not contain the host, or the name server was not available.

Response

Check the <insert_4> configuration on your host.

AMQ9206

Error sending data to host <insert_3>.

Severity

30 : Severe error

Explanation

An error occurred sending data over <insert_4> to <insert_3>. This may be due to a communications failure.

Response

The return code from the <insert_4> <insert_5> call was <insert_1> X(<insert_2>). Record these values and tell your systems administrator.

AMQ9207

The data received from host <insert_3> is not valid.

Severity

30 : Severe error

Explanation

Incorrect data format received from host <insert_3> over <insert_4>. It may be that an unknown host is attempting to send data. An FFST file has been generated containing the invalid data received.

Response

Tell the systems administrator.

AMQ9208

Error on receive from host <insert_3>.

Severity

30 : Severe error

Explanation

An error occurred receiving data from <insert_3> over <insert_4>. This may be due to a communications failure.

Response

The return code from the <insert_4> <insert_5> call was <insert_1> (X<insert_2>). Record these values and tell the systems administrator.

AMQ9209

Connection to host <insert_3> closed.

Severity

30 : Severe error

Explanation

An error occurred receiving data from <insert_3> over <insert_4>. The connection to the remote host has unexpectedly terminated.

Response

Tell the systems administrator.

AMQ9210

Remote attachment failed.

Severity

30 : Severe error

Explanation

There was an incoming attachment from a remote host, but the local host could not complete the bind.

Response

The return code from the <insert_4> <insert_5> call was <insert_1> (X<insert_2>). Record these values and tell the systems administrator who should check the <insert_4> configuration.

AMQ9211

Error allocating storage.

Severity

30 : Severe error

Explanation

The program was unable to obtain enough storage.

Response

Stop some programs which are using storage and retry the operation. If the problem persists contact your systems administrator.

AMQ9212

A TCP/IP socket could not be allocated.

Severity

30 : Severe error

Explanation

A TCP/IP socket could not be created, possibly because of a storage problem.

Response

The return code from the <insert_4> <insert_5> call was <insert_1> (X<insert_2>). Try the program again. If the failure persists, record the error values and tell the systems administrator.

AMQ9213

A communications error for <insert_4> occurred.

Severity

30 : Severe error

Explanation

An unexpected error occurred in communications.

Response

The return code from the <insert_4> <insert_5> call was <insert_1> (X<insert_2>). Record these values and tell the systems administrator.

AMQ9214

Attempt to use an unsupported communications protocol.

Severity

30 : Severe error

Explanation

An attempt was made to use an unsupported communications protocol type <insert_2>.

Response

Check the channel definition file. It may be that the communications protocol entered is not a currently supported one.

AMQ9215

Communications subsystem unavailable.

Severity

30 : Severe error

Explanation

An attempt was made to use the communications subsystem, but it has not been started.

Response

Start the communications subsystem, and rerun the program.

AMQ9216

Usage: <insert_3> [-m QMgrName] [-n TPName]

Severity

20 : Error

Explanation

Values passed to the responder channel program are not valid. The parameters that are not valid are as follows :-

<insert_4>

The responder channel program exits.

Response

Correct the parameters passed to the channel program and retry the operation.

AMQ9216 (AIX)

Usage: <insert_3> [-m QMgrName]

Severity

20 : Error

Explanation

Values passed to the responder channel program are not valid. The parameters that are not valid are as follows :-

<insert_4>

The responder channel program exits.

Response

Correct the parameters passed to the channel program and retry the operation.

AMQ9216 (HP-UX)

Usage: <insert_3> [-m QMgrName]

Severity

20 : Error

Explanation

Values passed to the responder channel program are not valid. The parameters that are not valid are as follows :-

<insert_4>

The responder channel program exits.

Response

Correct the parameters passed to the channel program and retry the operation.

AMQ9217

The TCP/IP listener program could not be started.

Severity

30 : Severe error

Explanation

An attempt was made to start a new instance of the listener program, but the program was rejected.

Response

The failure could be because either the subsystem has not been started (in this case you should start the subsystem), or there are too many programs waiting (in this case you should try to start the listener program later).

AMQ9218

The <insert_4> listener program could not bind to port number <insert_1>.

Severity

30 : Severe error

Explanation

An attempt to bind the <insert_4> socket to the listener port was unsuccessful.

Response

The failure could be due to another program using the same port number. The return code from the <insert_3> call for port <insert_5><insert_1> was <insert_2>. Record these values and tell the systems administrator.

AMQ9219

The TCP/IP listener program could not create a new connection for the incoming conversation.

Severity

30 : Severe error

Explanation

An attempt was made to create a new socket because an attach request was received, but an error occurred.

Response

The failure may be transitory, try again later. If the problem persists, record the return code <insert_1> and tell the systems administrator. It may be necessary to free some jobs, or restart the communications system.

AMQ9220

The <insert_4> communications program could not be loaded.

Severity

30 : Severe error

Explanation

The attempt to load the <insert_4> library or procedure <insert_3> failed with error code <insert_1>.

Response

Either the library must be installed on the system or the environment changed to allow the program to locate it.

AMQ9221

Unsupported protocol was specified.

Severity

30 : Severe error

Explanation

The specified value of <insert_3> was not recognized as one of the protocols supported.

Response

Correct the parameter and retry the operation.

AMQ9222

Cannot find the configuration file.

Severity

10 : Warning

Explanation

The configuration file <insert_3> cannot be found. This file contains default definitions for communication parameters. Default values will be used.

Response

None.

AMQ9223

Enter a protocol type.

Severity

30 : Severe error

Explanation

The operation you are performing requires that you enter the type of protocol.

Response

Add the protocol parameter and retry the operation.

AMQ9224

Unexpected contents in .ini file entry <insert_3> in stanza <insert_4> on line <insert_1> in file <insert_5>.

Severity

30 : Severe error

Explanation

The entry with name <insert_3> in stanza <insert_4> on line <insert_1> in .ini file <insert_5> is either not a valid keyword or has an invalid value.

Response

Correct the .ini file and retry the operation.

AMQ9224 (Windows)

Invalid registry value.

Severity

30 : Severe error

Explanation

WebSphere MQ registry value name <insert_3> is either not valid or has invalid value data.

Response

Correct the registry value and retry the operation.

AMQ9225

File syntax error.

Severity

30 : Severe error

Explanation

A syntax error was detected on line <insert_1> while processing the INI file.

Response

Correct the problem and retry the operation.

AMQ9225 (Windows)

File syntax error.

Severity

30 : Severe error

Explanation

A syntax error was detected while processing the configuration data.

Response

Correct the problem and retry the operation.

AMQ9226

Usage: <insert_3> [-m QMgrName] -t (TCP | LU62 | NETBIOS | SPX) [ProtocolOptions]

Severity

10 : Warning

Explanation

Values passed to the listener program were invalid.

The parameter string passed to this program is as follows:

[-m QMgrName] (-t TCP [-p Port] |

-t LU62 [-n TPName] |

-t NETBIOS [-l LocalName] [-e Names] [-s Sessions]

[-o Commands] [-a Adapter] |

-t SPX [-x Socket])

Default values will be used for parameters not supplied.

Response

Correct the parameters passed to the listener program and retry the operation.

AMQ9226 (AIX)

Usage: <insert_3> [-m QMgrName] -t TCP [ProtocolOptions]

Severity

10 : Warning

Explanation

Values passed to the listener program were invalid.

The parameter string passed to this program is as follows:

[-m QMgrName] -t TCP [-p Port]

Default values will be used for parameters not supplied.

Response

Correct the parameters passed to the listener program and retry the operation.

AMQ9226 (Unix)

Usage: <insert_3> [-m QMgrName] -t TCP [ProtocolOptions]

Severity

10 : Warning

Explanation

Values passed to the listener program were invalid.

The parameter string passed to this program is as follows:

[-m QMgrName] -t TCP [-p Port]

Default values will be used for parameters not supplied.

Response

Correct the parameters passed to the listener program and retry the operation.

AMQ9227

<insert_3> local host name not provided.

Severity

30 : Severe error

Explanation

A name is required for the <insert_3> process to register with the network.

Response

Add a local name to the configuration file and retry the operation.

AMQ9228

The <insert_4> responder program could not be started.

Severity

30 : Severe error

Explanation

An attempt was made to start an instance of the responder program, but the program was rejected.

Response

The failure could be because either the subsystem has not been started (in this case you should start the subsystem), or there are too many programs waiting (in this case you should try to start the responder program later). The <insert_5> reason code was <insert_1>.

AMQ9229

The application has been ended.

Severity

30 : Severe error

Explanation

You have issued a request to end the application.

Response

None.

AMQ9230

An unexpected <insert_4> event occurred.

Severity

30 : Severe error

Explanation

During the processing of network events, an unexpected event <insert_1> occurred.

Response

None.

AMQ9231

The supplied parameter is not valid.

Severity

30 : Severe error

Explanation

The value of the <insert_4> <insert_5> parameter has the value <insert_3>. This value has either not been specified or has been specified incorrectly.

Response

Check value of the <insert_5> parameter and correct it if necessary. If the fault persists, record the return code (<insert_1>,<insert_2>) and <insert_4> and tell the systems administrator.

AMQ9232

No <insert_3> specified

Severity

30 : Severe error

Explanation

The operation requires the specification of the <insert_3> field.

Response

Specify the *<insert_3>* and retry the operation.

AMQ9233

Error creating *<insert_3>* thread.

Severity

30 : Severe error

Explanation

The process attempted to create a new thread. The most likely cause of this problem is a shortage of an operating system resource (for example, memory). Use any previous FFSTs to determine the reason for the failure. The WebSphere MQ internal return code describing the reason for the failure is *<insert_1>*.

Response

Contact the systems administrator. If the problem persists save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ9235

The supplied local communications address cannot be resolved.

Severity

30 : Severe error

Explanation

The local communications address (LOCLADDR) value *<insert_3>* cannot be resolved into an IP address.

Response

Enter a local communications address value which can be resolved into an IP address, and try again.

AMQ9236

The supplied Partner LU was invalid.

Severity

30 : Severe error

Explanation

The *<insert_4>* Partner LU name *<insert_3>* was invalid.

Response

Either the Partner LU name was entered incorrectly or it was not in the *<insert_4>* communications configuration. Correct the error and try again.

AMQ9237

A configuration error for *<insert_4>* occurred.

Severity

30 : Severe error

Explanation

Allocation of a *<insert_4>* conversation to host *<insert_3>* was not possible. The configuration error may be one of the following:

1. It may be that one of the transmission parameters (Mode, or TP Name) was incorrect. Correct the error and try again. The mode name should be the same as the mode defined on host *<insert_3>*. The TP name on *<insert_3>* should be defined.

2. It may be that an LU 6.2 session has not been established. Contact your systems administrator.

The return code from *<insert_4>* is *<insert_1>* with associated *<insert_5>* *<insert_2>* .

Response

Record the error values and tell the system administrator.

AMQ9238

A communications error for <insert_4> occurred.

Severity

30 : Severe error

Explanation

An unexpected error occurred in communications.

Response

The return code from the <insert_4> <insert_3> call was <insert_1> with associated <insert_5> <insert_2> .

AMQ9239

Usage: <insert_3> [-m QMgrName] -n TpName -g Gateway-name

Severity

10 : Warning

Explanation

Values passed to the listener program were invalid. The parameter string passed to this program is as follows, default values being used for parameters not supplied: [-m QMgrName] -n TpName -g Gateway-name

Response

Correct the parameters passed to the listener program and retry the operation.

AMQ9240

An SPX socket was already in use.

Severity

30 : Severe error

Explanation

The Listener received return code <insert_1> when attempting to open socket <insert_2>.

Response

The specified socket is already in use by another process. To use another socket specify another socket on the command line to RUNMQLSR or update the default in the qm.ini file.

AMQ9240 (Windows)

An SPX socket was already in use.

Severity

30 : Severe error

Explanation

The listener received return code <insert_1> when attempting to open socket <insert_2>.

Response

The specified socket is already in use by another process. To use another socket, specify a different socket on the command line to the runmqslsr command, or update the default in the configuration data.

AMQ9240 (IBM i)

An SPX socket was already in use.

Severity

30 : Severe error

Explanation

The Listener received return code <insert_1> when attempting to open socket <insert_2>.

Response

The specified socket is already in use by another process. To use another socket specify another socket on the command line to STRMQMLSR or update the default in the qm.ini file.

AMQ9241

SPX is not available.

Severity

30 : Severe error

Explanation

WebSphere MQ received return code *<insert_1>* when attempting to start SPX communications.

Response

Ensure that IPX/SPX support is installed on the machine and that it is started before trying to start a WebSphere MQ SPX channel.

AMQ9242

SPX resource problem.

Severity

30 : Severe error

Explanation

WebSphere MQ received return code *<insert_1>* when attempting to start SPX communications, indicating a resource problem.

Response

Ensure that sufficient IPX/SPX resources are available before commencing communications over IPX/SPX.

AMQ9243

The queue manager *<insert_3>* does not exist.

Severity

30 : Severe error

Explanation

You tried to perform an action against a queue manager that does not exist. You may have specified the wrong queue manager name.

Response

If you specified the wrong name, correct the name and submit the command again. If the queue manager does not exist, create the queue manager and submit the command again.

AMQ9244

The default queue manager does not exist.

Severity

30 : Severe error

Explanation

You tried to perform an action against a queue manager that does not exist.

Response

Create the default queue manager and submit the command again.

AMQ9245 (Windows)

Unable to obtain account details for channel MCA user ID.

Severity

10 : Warning

Explanation

WebSphere MQ was unable to obtain the account details for MCA user ID *<insert_3>*. This user ID was the MCA user ID for channel *<insert_4>* on queue manager *<insert_5>* and may have been defined in the channel definition, or supplied either by a channel exit or by a client.

Response

Ensure that the user ID is correct and that it is defined on the Windows local system, the local domain or on a trusted domain. For a domain user ID, ensure that all necessary domain controllers are available.

AMQ9246

The TCP/IP listener on port *<insert_1>* could not start a new channel.

Severity

30 : Severe error

Explanation

An attempt has been made to connect to the queue manager by starting a new channel within the TCP/IP listener which is listening on port <insert_1>. The maximum socket number which can be used by a channel running on this listener is <insert_2> . A socket number beyond this maximum was allocated for the new channel. This connection attempt has been rejected, but the listener continues to listen for further connection requests. The socket number allocated for a new listener channel is related to the number of channels currently running within that listener process. The problem has arisen because too many channels are directed at the port on which this listener is listening.

Response

An extra listener process should be started to listen on a different port. Some of the channels to the queue manager should be redirected from the port on which the existing listener is listening to the new port.

AMQ9247

SSPI Security: bad return from SSPI call.

Severity

30 : Severe error

Explanation

Channel <insert_3> has been closed because the SSPI channel exit received a bad return code from SSPI.

Response

Consult the appropriate SSPI manuals to find out the meaning of status <insert_4> on call <insert_5> , and correct the error.

AMQ9248

The program could not bind to a <insert_3> socket.

Severity

30 : Severe error

Explanation

The attempt to bind to socket <insert_4> failed with return code <insert_1>. The failing <insert_3> call was <insert_5> . The most likely cause of this problem is incorrect configuration of the <insert_3> local address or incorrect start and end port parameters.

Response

Contact the system administrator. If the problem persists save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ9255

Listener already running.

Severity

30 : Severe error

Explanation

The request to start the WebSphere MQ listener failed because there is already a listener running against the specified network resources.

Response

None.

AMQ9259

Connection timed out from host <insert_3> .

Severity

30 : Severe error

Explanation

A connection from host <insert_3> over <insert_4> timed out.

Response

Check to see why data was not received in the expected time. Correct the problem. Reconnect the channel, or wait for a retrying channel to reconnect itself.

AMQ9262 (HP-UX)

GSKit SSL support not available for 32-bit client applications.

Severity

20 : Error

Explanation

An attempt was made to start an SSL channel from a 32-bit client application. However, GSKit SSL 32-bit support is not provided on WebSphere MQ for HP-UX (Itanium platform).

Response

Compile the client application as a 64-bit application or change the application to use a non-SSL channel.

AMQ9268 (rrcI_SCTQ_SWITCH_SUCCESS)

Cluster sender channel <insert one> successfully switched to use the transmission queue <insert three> .

Severity

00 : Information

Explanation

The transmission queue for cluster sender channel <insert one> was successfully switched from <insert two> to <insert three>.

Response

None.

AMQ9270

Sharing conversation could not start.

Severity

30 : Severe error

Explanation

The attempt to start sharing conversation <insert_1> on socket <insert_2> (channel <insert_3>) was rejected at the server-connection end of the channel.

Response

Examine diagnostic information at the server-connection end of channel <insert_3> to see why the conversation did not start. If possible, correct the error causing the failure and retry.

AMQ9271

Channel <insert_3> timed out.

Severity

30 : Severe error

Explanation

A timeout occurred while waiting to receive from the other end of channel <insert_3>. The address of the remote end of the connection was <insert_4>.

Response

The return code from the <insert_5> call was <insert_1> (X<insert_2>). Record these values and tell the systems administrator.

AMQ9272

Thread mutex semaphore error.

Severity

30 : Severe error

Explanation

The process attempted an operation on a thread mutex semaphore. The most likely cause of this problem is a shortage of an operating system resource (for example, memory). Use any previous FFSTs to determine the reason for the failure. The WebSphere MQ function involved was *<insert_3>* and the internal return code describing the reason for the failure is *<insert_1>*.

Response

Contact the systems administrator. If the problem persists save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ9273

Thread event error.

Severity

30 : Severe error

Explanation

The process attempted an operation on a thread event. The most likely cause of this problem is a shortage of an operating system resource (for example, memory). Use any previous FFSTs to determine the reason for the failure. The WebSphere MQ function involved was *<insert_3>* and the internal return code describing the reason for the failure is *<insert_1>*.

Response

Contact the systems administrator. If the problem persists save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ9280 (rrcE_SSL_SUITE_B_INVALID_VALUE)

Parameter requesting Suite B contains an invalid value.

Severity

30 : Severe error

Explanation

An SSL or TLS channel running on an WebSphere MQ client has failed to start. This is because the MQSUIB environment variable, or the MQSCO EncryptionPolicySuiteBStrength field, contains an invalid value. The values specified were '*<insert_1>*'.

The channel is '*<insert_2>*', in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

Response

Set the MQSUIB environment variable, or the MQSCO EncryptionPolicySuiteBStrength field to a valid value.

Restart the channel.

Refer to the [WebSphere MQ Security documentation](#) for more information on Suite B configuration.

AMQ9281 (rrcE_SSL_SUITE_B_BAD_COMBINATION)

Parameter requesting Suite B contains an invalid combination of values.

Severity

30 : Severe error

Explanation

An SSL or TLS channel running on an MQ client has failed to start. This is because the MQSUIB environment variable, or the MQSCO EncryptionPolicySuiteBStrength field, contain mutually exclusive values. All of the values are valid, but some of them cannot be used together. The values specified were '*<insert_1>*'

The channel is '*<insert_1>*', in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

Response

Set the MQSUITEB environment variable, or the MQSCO EncryptionPolicySuiteBStrength field, to a valid combination of values

Restart the channel.

Refer to the [WebSphere MQ Security documentation](#) for more information on Suite B configuration.

AMQ9282 (rrcE_SSL_CIPHER_INVALID_SUITE_B)

Invalid CipherSpec for the configured Suite B security level.

Severity

30 : Severe error

Explanation

The user is attempting to start a channel on a queue manager or WebSphere MQ client which has been configured to run in Suite B mode. The user has specified a CipherSpec which does not meet the configured Suite B security level.

The channel is '<insert_1>', in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

The address of the remote host is '<insert_2>'.

Response

Redefine the channel to run with a Suite B compliant CipherSpec which satisfies the configured Suite B security level. Alternatively, the channel may be defined with the correct CipherSpec and the queue manager or IBM WebSphere MQ client should not be running in Suite B mode; if this is the case, ensure that Suite B mode is not configured. Once the error is corrected, restart the channel.

Refer to the [WebSphere MQ Security documentation](#) for more information on Suite B security levels or CipherSpecs.

This message might occur after applying WebSphere MQ maintenance because the FIPS and Suite B standards are updated periodically. When such changes occur, WebSphere MQ is also updated to implement the latest standard. As a result, you might see changes in behavior after applying maintenance. For more information about the versions of FIPS and Suite B standards enforced by WebSphere MQ, see the [readme file](#).

AMQ9285 (rrcE_SSL_CIPHER_AND_CERT_INCOMPATIBLE)

The proposed CipherSpec is incompatible with a digital certificate.

Severity

30 : Severe error

Explanation

The SSL or TLS handshake failed because the proposed CipherSpec is incompatible with one of the digital certificates.

It is necessary for both the local and remote systems to use a digital certificate which is suitable for use with the channel CipherSpec. Common causes of this error include:

(a) An RSA-based CipherSpec was specified when using a certificate which contains a non-RSA public key.

(b) An Elliptic Curve-based CipherSpec was specified when using a certificate which contains a non-EC public key.

The channel is '<insert_1>', in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

Response

Specify a different CipherSpec which is suitable for use with the digital certificates used on both the local and remote systems. Restart the channel.

Refer to the [WebSphere MQ Security documentation](#) for further information on CipherSpecs.

AMQ9289 (rrcI_SCTQ_MSGMOVE_NONE)

Message move complete - no messages moved.

Severity

00 : Information

Explanation

No messages were moved whilst switching the transmission queue for cluster sender channel <insert one>. The message move operation is complete.

Response

None.

AMQ9290 (rrcI_SCTQ_MSGMOVE_IN_PROGRESS)

Message move in progress - <n> messages moved.

Severity

00 : Information

Explanation

<n> messages were moved whilst switching the transmission queue for cluster sender channel <insert one>. The message move operation is in progress.

Response

None.

AMQ9291 (rrcI_SCTQ_MSGMOVE_COMPLETE)

Message move complete - <n> messages moved.

Severity

00 : Information

Explanation

<n> messages were moved whilst switching the transmission queue for cluster sender channel <insert one>. The message move operation is complete.

Response

None.

AMQ9301 (Tandem)

An SNA communications error occurred.

Severity

30 : Severe error

Explanation

An unexpected error occurred in communications.

Response

The reply return code from the SNAX/ICE <insert_3> request was <insert_1> in the <insert_4> header. The detail return code was <insert_2> .

AMQ9302 (Tandem)

The TCP Listener <insert_3> in Queue Manager <insert_4> cannot find an available port.

Severity

40 : Stop Error

Explanation

The TCP Listener has tried all the ports that are configured in the QMINI file for this Queue Manager, and none were available for listening on. The TCP Listener has now terminated. The TCP Listener is either not needed (because there are already TCP Listeners running on all the Queue Manager ports), or there is a configuration problem with the Queue Manager.

Response

Review the QMINI file TCP/IP Listener stanzas to determine if there is a configuration problem. The ports numbers themselves may be incorrect, or overlap with the ports being used by other Queue Managers on the same system, or with other services.

AMQ9401

Channel <insert_3> autodefined.

Severity

0 : Information

Explanation

Channel <insert_3> which did not previously exist has been autodefined.

Response

None.

AMQ9402

Autodefinition exit for Channel <insert_3> failed to load.

Severity

30 : Severe error

Explanation

Autodefinition of Channel <insert_3> failed because <insert_4> would not load.

Response

Ensure that the user exit is specified correctly in the queue manager definition, and that the user exit program is correct and available.

AMQ9403

Autodefinition of Channel <insert_3> suppressed by user exit.

Severity

30 : Severe error

Explanation

Autodefinition exit <insert_4> for Channel <insert_3> returned a failure code.

Response

None.

AMQ9404

Phase one of REFRESH CLUSTER REPOS(YES) has completed.

Severity

0 : Information

Explanation

Phase one of REFRESH CLUSTER REPOS(YES) has completed. The Refresh Cluster(<insert_4>) command caused <insert_1> objects to be refreshed and republished to <insert_2> queue managers. Applications attempting to access cluster resources may see failures to resolve cluster resources until phase two of REFRESH CLUSTER is complete. Phase two is complete when all new information has been received from other members of the cluster.

Response

Monitor your SYSTEM.CLUSTER.COMMAND.QUEUE to determine when it has reached a consistently empty state to indicate that the refresh process has completed.

AMQ9405

FORCEREMOVE QUEUES(YES) command processed, cluster <insert_3> target <insert_4>.

Severity

0 : Information

Explanation

The repository queue manager successfully processed a RESET ACTION(FORCEREMOVE) command with the QUEUES(YES) option for the indicated cluster and target queue manager.

Response

None.

AMQ9406

REFRESH CLUSTER REPOS(YES) command failed, this queue manager is a full repository for cluster <insert_4>.

Severity

30 : Severe error

Explanation

The repository queue manager could not process a REFRESH CLUSTER command with the REPOS(YES) option for the indicated cluster, because the local queue manager provides full repository management services for the cluster. The command is ignored.

Response

Either

- 1) Reissue the command without REPOS(YES), or
- 2) Issue the command on a queue manager which is not a full repository, or
- 3) Change this queue manager definition so that it is not a full repository.

AMQ9407

Cluster queue *<insert_3>* is defined inconsistently.

Severity

10 : Warning

Explanation

The definition of cluster queue *<insert_3>* on the queue manager with UUID *<insert_4>* has different DEFPRTY, DEFPSIST and DEFBIND values from the definition of the same cluster queue on the queue manager with UUID *<insert_5>*. Both definitions now exist in the local repository. All definitions of the same cluster queue should be identical. In particular, problems arise if your applications rely on a queue default value which is defined inconsistently to determine messaging behavior. This applies, for example, if the applications open a cluster queue with option MQOO_BIND_AS_Q_DEF. If different instances of the queue have different DEFBIND values the behavior of the message transfer differs depending on which instance of the queue is selected when it is opened. In general the instance selected varies across opens.

Response

For each inconsistency decide which of the values is the correct one. Alter the definitions of cluster queue *<insert_3>* so that all definitions have correct DEFPRTY, DEFPSIST and DEFBIND values.

AMQ9408

BIND_ON_OPEN messages for channel *<insert_3>* to dead-letter queue.

Severity

0 : Information

Explanation

The remote CLUSRCVR for channel *<insert_3>* was deleted while undelivered BIND_ON_OPEN messages associated with that channel existed on the local SYSTEM.CLUSTER.TRANSMIT.QUEUE. These messages could not be allocated to another channel because they were put BIND_ON_OPEN, but were very unlikely to ever flow along the channel with which they were associated as this has now been deleted. An attempt has therefore been made to move them from the transmission queue to the local dead-letter queue. The MQDLH reason is MQFB_BIND_OPEN_CLUSRCVR_DEL. Note that any internal WebSphere MQ Clustering messages for the deleted channel will also have been removed from the SYSTEM.CLUSTER.TRANSMIT.QUEUE (these are discarded) so the current depth of the queue may have decreased by more than the number of user messages moved to the dead-letter queue.

Response

Examine the contents of the dead-letter queue. Each message is contained in an MQDLH structure that includes the reason why it was written and where it was originally addressed. Also look at previous error messages to see if the attempt to put messages to the dead-letter queue failed.

AMQ9409

Repository manager ended abnormally.

Severity

30 : Severe error

Explanation

The repository manager process ended abnormally. Termination of this process will cause the queue manager to terminate unless the tuning parameter TolerateRepositoryFailure has been set to 'TRUE'.

If the queue manager does not terminate, further cluster management activity will not occur, this will effect the availability of cluster resources accessed or hosted by this queue manager.

Response

Look at previous error messages for the repository manager in the queue manager and system error logs to determine the cause of the failure or contact your IBM support center. Restart the queue manager to restart the repository manager process.

AMQ9410

Repository manager started

Severity

0 : Information

Explanation

The repository manager started successfully.

Response

None.

AMQ9411

Repository manager ended normally.

Severity

0 : Information

Explanation

The repository manager ended normally.

Response

None.

AMQ9412

Repository command received for *<insert_3>* .

Severity

30 : Severe error

Explanation

The repository manager received a command intended for some other queue manager, with identifier that is *<insert_3>* . The command was sent by the queue manager with identifier *<insert_4>*.

Response

Check the channel and cluster definitions of the sending queue manager.

AMQ9413

Repository command format error, command code *<insert_1>*

Severity

30 : Severe error

Explanation

An internal error has occurred.

Response

Collect the items listed in the 'Problem determination' section of the System Administration manual and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ9415

Repository command unexpected, command code *<insert_1>* , cluster object *<insert_3>*, sender *<insert_4>*

Severity

30 : Severe error

Explanation

An internal error has occurred.

Response

Collect the items listed in the 'Problem determination' section of the System Administration manual and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ9415 (IBM i)

An internal error has occurred.

Severity

30 : Severe error

Explanation

Repository command unexpected, command code <insert_1> , cluster object <insert_3>, sender <insert_4>

Response

Collect the items listed in the 'Problem determination' section of the System Administration manual and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ9416

Repository command processing error, RC=<insert_2> , command code <insert_1>, cluster object <insert_3>, sender <insert_4>.

Severity

30 : Severe error

Explanation

An internal error has occurred.

Response

Collect the items listed in the 'Problem determination' section of the System Administration manual and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ9416 (IBM i)

An internal error has occurred.

Severity

30 : Severe error

Explanation

Repository command processing error, RC=<insert_2> , command code <insert_1>, cluster object <insert_3>, sender <insert_4>.

Response

Collect the items listed in the 'Problem determination' section of the System Administration manual and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ9417

Manually defined CLUSSDR channels have been forcibly removed.

Severity

0 : Information

Explanation

The administrator has asked for the queue manager <insert_3> to be deleted, or forcibly removed, but has not yet deleted the manually defined CLUSSDR channels to <insert_3> . The auto-defined

channels to *<insert_3>* have been deleted, but *<insert_3>* continues to receive updates until the manually defined CLUSSDR channels have been deleted.

Response

Delete the manually defined CLUSSDR channels to *<insert_3>* .

AMQ9418

Only one repository for cluster *<insert_3>* .

Severity

0 : Information

Explanation

The queue manager has received information about a cluster for which it is the only repository.

Response

Alter the REPOS or REPOSNL attribute of the queue manager, that is to have the second full repository for the cluster, to specify the cluster name.

AMQ9419

No cluster-receiver channels for cluster *<insert_3>*

Severity

0 : Information

Explanation

The repository manager has received information about a cluster for which no cluster-receiver channels are known.

Response

Define cluster-receiver channels for the cluster on the local queue manager.

AMQ9420

No repositories for cluster *<insert_3>*.

Severity

0 : Information

Explanation

The queue manager has received information about a cluster for which no repositories are known.

Response

Alter the REPOS or REPOSNL attribute of the queue manager, that is to have a full repository for the cluster, to specify the cluster name.

AMQ9421

Invalid cluster record action code detected

Severity

30 : Severe error

Explanation

An invalid record was read from the SYSTEM.CLUSTER.REPOSITORY.QUEUE. An FFST record has been generated containing the invalid record.

Response

Collect the items listed in the Problem Determination section of the System Administration manual and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ9422

Repository manager error, RC=*<insert_1>*

Severity

30 : Severe error

Explanation

An internal error has occurred.

Response

Collect the items listed in the 'Problem determination' section of the System Administration manual and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ9425

An internal error has occurred.

Severity

30 : Severe error

Explanation

Repository command merge error, command code *<insert_1>* , cluster object *<insert_3>*, sender *<insert_4>*

Response

Collect the items listed in the 'Problem determination' section of the System Administration manual and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ9426

Repository command recipient unknown.

Severity

30 : Severe error

Explanation

The repository manager tried to send a command to another queue manager using channel *<insert_4>*. The recipient queue manager, with an identifier that is *<insert_3>* , could not be found. Command code *<insert_1>* .

Response

Check the channel and cluster definitions of the sending and receiving queue managers.

AMQ9427

CLUSDR channel does not point to a repository queue manager.

Severity

30 : Severe error

Explanation

A CLUSSDR channel must point to a queue manager that hosts repositories for all clusters of which the channel is a member. In addition, the CLUSRCVR for the channel must be a member of all the same clusters as the CLUSSDR channel. The queue manager pointed to by CLUSSDR channel *<insert_3>* does not meet these criteria for cluster *<insert_4>*. The remote queue manager has a QMID of *<insert_5>*.

Response

Check the definitions on the local and remote queue managers to ensure that the CLUSSDR channel points to a queue manager that hosts a repository for the cluster, and that the CLUSRCVR for the channel is a member of the cluster.

AMQ9428

Unexpected publication of a cluster queue object received.

Severity

30 : Severe error

Explanation

The local queue manager has received a publication of a cluster queue object from a remote queue manager on cluster *<insert_3>* . The local queue manager discards the request because it does not host a repository for cluster *<insert_3>* and has not subscribed to the published object. The remote

CLUSSDR channel used to access the local queue manager has a channel name of *<insert_4>* and the remote queue manager has a QMID of *<insert_5>*.

Response

Check the definitions on the local and remote queue managers to ensure that the CLUSSDR channel points to a repository queue manager for the cluster.

AMQ9429

Unexpected publication of a cluster queue deletion received.

Severity

30 : Severe error

Explanation

The local queue manager has received a publication of a cluster queue deletion from a remote queue manager on cluster *<insert_3>* . The local queue manager discards the request because it does not host a repository for cluster *<insert_3>* and has not subscribed to the published object. The remote CLUSSDR channel used to access the local queue manager has a channel name of *<insert_4>* and the remote queue manager has a QMID of *<insert_5>*.

Response

Check the definitions on the local and remote queue managers to ensure that the CLUSSDR channel points to a repository queue manager for the cluster.

AMQ9430

Unexpected cluster queue manager publication received.

Severity

30 : Severe error

Explanation

The local queue manager has received a cluster queue manager publication on cluster *<insert_3>*. The local queue manager should not have received the publication because it does not host a repository for cluster *<insert_3>* , it has not subscribed to information concerning the published object, and the published object does not match any of its CLUSSDRs. The queue manager that sent the publication to the local queue manager has QMID *<insert_4>* (note that this is not necessarily the queue manager which originated the publication). CLUSSDR channel *<insert_5>* was used to send the publication.

Response

Check the CLUSSDR definition on the sending queue manager to ensure that it points to a repository queue manager for the cluster.

AMQ9431

Remote queue manager no longer hosts a repository for cluster

Severity

0 : Information

Explanation

The local queue manager has received a message from remote queue manager QMID *<insert_3>* indicating that it no longer hosts a repository for cluster *<insert_4>* . CLUSSDR channel *<insert_5>* is altered so that it can no longer be used to access queue manager *<insert_3>* within cluster *<insert_4>*. If the local queue manager does not host a repository for cluster *<insert_4>* the relevant subscriptions and publications are remade if possible.

Response

None.

AMQ9432

Query received by a non-repository queue manager

Severity

30 : Severe error

Explanation

The local queue manager has received a query from a remote queue manager on cluster *<insert_3>*. The local queue manager discards the query because it does not host a repository for cluster

<insert_3>. The remote CLUSSDR channel used to access the local queue manager has a channel name of <insert_4> and the remote queue manager has a QMID of <insert_5>.

Response

Check the definitions on the local and remote queue managers to ensure that the CLUSSDR channel points to a repository queue manager for the cluster.

AMQ9433

CLUSRCVR must be in the same cluster as its matching CLUSSDR.

Severity

30 : Severe error

Explanation

CLUSRCVR channel <insert_3> is not defined as a member of cluster <insert_4>. The local queue manager has received a command that indicates that CLUSSDR channel <insert_3> on the remote queue manager with QMID <insert_5> is defined as a member of cluster <insert_4>.

Response

Alter the CLUSRCVR or CLUSSDR definitions for channel <insert_3>, so that they are both members of the same cluster.

AMQ9434

Unrecognized message on <insert_3>.

Severity

30 : Severe error

Explanation

The repository manager found a message on one of its queues having, either a format that could not be recognized, or that did not come from a queue manager or repository manager. The message was put on the dead-letter queue.

Response

Examine the message on the dead-letter queue to determine the originator of the message.

AMQ9435

Unable to put repository manager message.

Severity

30 : Severe error

Explanation

The repository manager tried to send a message to the SYSTEM.CLUSTER.COMMAND.QUEUE on another queue manager with an identifier that is <insert_3>, but the MQPUT call was unsuccessful. MQCC=<insert_1>, MQRC=<insert_2>. Processing continues, but the repository information may be out of date.

Response

Refer to the Application Programming Reference manual for information about MQCC <insert_1> and MQRC <insert_2>. Check the channel and cluster definitions on the local and target queue managers, and ensure that the channels between them are running. When the problem is corrected, the repository information will normally be updated automatically. The REFRESH CLUSTER command can be used to ensure that the repository information is up to date.

AMQ9436

Unable to send repository manager message.

Severity

30 : Severe error

Explanation

The repository manager tried to send a message to the SYSTEM.CLUSTER.COMMAND.QUEUE on a queue manager that has the full repository for the specified cluster(<insert_3>), but the MQPUT call was unsuccessful. MQCC=<insert_1>, MQRC= <insert_2>. Processing continues, but repository information may be out of date.

Response

Refer to the Application Programming Reference manual for information about MQCC <insert_1> and MQRC <insert_2> . Check the channel and cluster definitions on the local and target queue managers, and ensure that the channels between them are running. When the problem is corrected, the repository information will normally be updated automatically. The REFRESH CLUSTER command can be used to ensure that the repository information is up to date.

AMQ9437

Unable to commit repository manager changes.

Severity

30 : Severe error

Explanation

The repository manager tried to commit some internal operations but was unsuccessful. The reason code from the MQCMIT call was <insert_1>

Response

Inspect the reason code. If it does not seem reasonable in the context of the other queue manager operations taking place at the time, then save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ9438

CONNNAME could not be discovered for CLUSRCVR <insert_3> .

Severity

30 : Severe error

Explanation

TCP/IP CLUSRCVR <insert_3> was validly specified with a blank or absent CONNAME parameter. However when the repository process, amqrrmfa, attempted to obtain the CONNAME (IP address) for itself it was unable to. If there is an existing matching CLUSRCVR object in the cache its CONNAME is used. The CONNAME used was <insert_4>.

Response

Check the error log for a message arising from an associated TCP/IP call (gethostname, gethostbyname or inet_ntoa). Pass all the error information to your systems administrator.

AMQ9439

Repository corruption: bad CLQMGR object for channel <insert_3>.

Severity

30 : Severe error

Explanation

An internal error has occurred.

Response

Collect the items listed in [Problem determination](#) and use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ9440

Reset command failed.

Severity

0 : Information

Explanation

Reset Cluster(<insert_3>) Qmname(<insert_4>) command failed. To issue this command, queue manager <insert_5> must be a repository for cluster <insert_3>. Alter the queue manager attributes Repos, or Reposnl, to include cluster <insert_3> and retry the command.

Response

None.

AMQ9441

Reset command processed.

Severity

0 : Information

Explanation

The reset Cluster(<insert_3>) Qmname(<insert_4>) command has processed on this repository and <insert_1> other queue managers have been sent notification.

Response

None.

AMQ9442

Phase one of the REFRESH CLUSTER command has completed.

Severity

0 : Information

Explanation

Phase one of the REFRESH CLUSTER command has completed. The Refresh Cluster(<insert_4>) command caused <insert_1> objects to be refreshed, and republished to <insert_2> queue managers.

Applications attempting to access cluster resources might see failures to resolve cluster resources until phase two of REFRESH CLUSTER is complete. Phase two is complete when all new information has been received from other members of the cluster.

Response

Monitor your SYSTEM.CLUSTER.COMMAND.QUEUE to determine when it has reached a consistently empty state to indicate that the refresh process has completed.

AMQ9443

Suspend Qmgr Cluster command processed.

Severity

0 : Information

Explanation

The Suspend Qmgr Cluster command completed. <insert_1> objects suspended. In the case of a name list the cluster name is the first name in the list.

Response

None.

AMQ9444

Resume Qmgr Cluster command processed.

Severity

0 : Information

Explanation

The Resume Qmgr Cluster(<insert_4>) command completed. <insert_1> objects resumed. In the case of a name list the cluster name is the first name in the list.

Response

None.

AMQ9445

Error creating channel <insert_3>.

Severity

30 : Severe error

Explanation

Channel <insert_4> tried to replace itself by creating channel <insert_3>. The attempt to create the channel was unsuccessful for the following reason: " <insert_5>". A previous message may give further information.

Response

Rectify the problem which prevented successful creation of channel <insert_3>. Restart channel <insert_4> .

AMQ9446

Error deleting channel <insert_3>.

Severity

30 : Severe error

Explanation

Channel <insert_3> tried to delete itself after creating channel <insert_4> to replace it. The attempt to delete the channel was unsuccessful for the following reason: "<insert_5>".

Response

If channel <insert_3> still exists rectify the problem which prevented its deletion and then manually delete the channel.

AMQ9447

Unable to backout repository manager changes.

Severity

30 : Severe error

Explanation

The repository manager tried to back out some internal operations but was unsuccessful. The reason code from the MQBACK call was <insert_1>.

Response

Inspect the reason code. If it does not seem reasonable in the context of the other queue manager operations taking place at the time, then save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ9448

Repository manager failed. Retry in <insert_1> minutes, queue manager will terminate in <insert_2> minutes.

Severity

30 : Severe error

Explanation

Repository manager encountered a severe problem. See the earlier messages in the queue manager or system error logs for details. The repository manager will retry the command in <insert_1> minutes. If the problem is not rectified in <insert_2> minutes the queue manager will terminate. Until this problem is rectified no further cluster management activity will occur, this will effect the availability of cluster resources accessed or hosted by this queue manager.

Response

If possible, rectify the identified problem, otherwise contact your IBM support center. To postpone the queue manager from terminating due to this problem set the SYSTEM.CLUSTER.COMMAND.QUEUE queue to be GET(DISABLED). Once the problem has been rectified, set the queue to be GET(ENABLED) and wait for the repository manager to retry the command or restart the queue manager.

AMQ9449

The repository manager is restarting following an error.

Severity

0 : Information

Explanation

The repository manager is restarting following an error, see earlier error messages for details of the failure.

Response

If the failure re-occurs contact your IBM support center and follow any instructions in the subsequent error messages.

AMQ9450

Usage: *<insert_3>* [-m QMgrName] -f OutputFile [-v OutputFileVersion]

Severity

10 : Warning

Explanation

Values passed to the channel table writer program were invalid.

The parameter string passed to this program is as follows:

[-m QMgrName] -f OutputFile [-v OutputFileVersion]

where OutputFileVersion can be either 2 or 5 (5 is the default)

Default values will be used for parameters not supplied.

Response

Correct the parameters passed to the channel table writer program and retry the operation.

AMQ9451 (Tandem)

Repository already active in CPU *<insert_1>*

Severity

0 : Information

Explanation

During initialization, a Repository Manager determined that the named CPU already had an active Repository Manager. This is probably caused by an incorrectly configured Pathway. Each CPU can support only one active Repository Manager.

Response

Ensure Pathway configuration only defines one Repository Manager per CPU

AMQ9453

FORCEREMOVE command failed, cluster *<insert_3>* target *<insert_4>* is not unique.

Severity

0 : Information

Explanation

The repository queue manager could not process a RESET ACTION(FORCEREMOVE) command for the indicated cluster and target queue manager, because there is more than one queue manager with the specified name in the cluster. The command is ignored.

Response

Reissue the command specifying the identifier (QMID) of the queue manager to be removed, rather than its name.

AMQ9453 (Tandem)

Repository Manager (CPU *<insert_1>*) partner in CPU *<insert_2>* closed

Severity

0 : Information

Explanation

The Repository Manager running in the first-named CPU noticed that a partner Repository Manager in the second-named CPU ended. This may be the result of the Queue Manager shutting down or it may indicate that the partner Repository Manager was forcibly stopped or suffered an error.

Response

If the Queue Manager is shutting down, this message is informational only. Otherwise, the WebSphere MQ error log, the system log, or both should be examined to determine why the partner Repository Manager ended.

AMQ9455

FORCEREMOVE command failed, cluster <insert_3> , target <insert_4>, not found.

Severity

0 : Information

Explanation

The repository queue manager could not process a RESET ACTION(FORCEREMOVE) command for the indicated cluster and target queue manager, because no information about that queue manager was found in the local repository. The command is ignored.

Response

Reissue the command, specifying the correct queue manager name or identifier.

AMQ9456

Update not received for queue <insert_3> , queue manager <insert_4> from full repository for cluster <insert_5>.

Severity

0 : Information

Explanation

The repository manager detected a queue that has been used in the last 30 days for which updated information should have been sent from a full repository. However, this has not occurred.

The repository manager will keep the information about this queue for a further 60 days.

Response

If the queue is still required, check that:

- 1) The cluster channels to and from the full repository and the queue manager that hosts the queue, are able to run.
- 2) The repository managers running on these queue managers have not ended abnormally.

AMQ9457

Repository available, cluster <insert_4> , channel <insert_5>, sender <insert_3> .

Severity

0 : Information

Explanation

The repository queue manager received a command from another queue manager, with an identifier that is <insert_3> , reporting that it is again a repository for cluster <insert_4> . The cluster-sender channel <insert_5> is changed so that it can be used to access the other queue manager in relation to the cluster.

Response

None.

AMQ9458

Unable to access the repository cache exclusively.

Severity

30 : Severe error

Explanation

A process remains registered as requiring access to the repository cache during an operation that must have exclusive access to the cache. The queue manager <insert_3> issues this message after waiting for the process to remove its registration, but the registration is still present. The process preventing exclusive access to the repository cache has <insert_2> outstanding registrations.

Response

The registered process identifier (PID) accessing the repository cache is <insert_1>. Determine if this process is still running or terminated. If the process is not running or if the problem persists collect the items listed in the 'Problem determination' section of the System Administration manual and contact your IBM support center.

AMQ9459

Cluster topic <insert_3> from <insert_4> rejected due to PSCLUS(DISABLED).

Severity

10 : Warning

Explanation

Queue manager attribute PSCLUS has been set to DISABLED to indicate that inter queue manager Publish/Subscribe activity is not expected in this cluster. However, information regarding cluster topic <insert_3> has been sent to this queue manager over a channel from <insert_4>. The cluster topic definition is ignored and will not be visible from this queue manager.

Response

If you need to enable publish/subscribe clustering, alter the PSCLUS attribute on all queue managers in the cluster to ENABLED. You might also need to issue REFRESH CLUSTER and REFRESH QMGR commands as detailed in the PSCLUS documentation. If you are not using publish/subscribe clusters you should delete the clustered topic object, and ensure that PSCLUS is DISABLED on all queue managers.

AMQ9465

New cluster topic definition inconsistent.

Severity

10 : Warning

Explanation

The definition of cluster topic <insert_3> on the queue manager with UUID <insert_4> has a different <insert_5> attribute value than one or more cluster topics that already exist in the cluster cache. The existing topic objects are reported by message AMQ9466. All definitions of the same cluster topic should be identical, otherwise, problems may arise if your applications rely on one of these attributes to determine messaging behavior. For example, if an application opens a cluster topic and the different instances of the topic have different TOPICSTR values, the behavior of the message transfer depends on which instance of the topic happens to be selected when it is opened.

Response

Alter the definitions of the topic on the various queue managers so that they have identical values for all attributes.

AMQ9466

Cluster topic definitions inconsistent.

Severity

10 : Warning

Explanation

The definition of cluster topic <insert_3> on the queue manager with UUID <insert_4> has a different <insert_5> attribute value than a cluster topic being added to the cluster cache. The topic object being added is reported by message AMQ9465. All definitions of the same cluster topic should be identical, otherwise, problems may arise if your applications rely on one of these attributes to determine messaging behavior. For example, if an application opens a cluster topic and the different instances of the topic have different TOPICSTR values, the behavior of the message transfer depends on which instance of the topic happens to be selected when it is opened.

Response

Alter the definitions of the topic on the various queue managers so that they have identical values for all attributes.

AMQ9467

Repository error updating topic.

Severity

20 : Error

Explanation

The cluster repository manager received an unexpected error code from the queue manager while updating topic <insert_3> . The completion code was <insert_1>, reason code was <insert_2>.

Response

Refer to the WebSphere MQ product documentation for information about reason code *<insert_1>*.

Collect the items listed in the Troubleshooting and support section of the WebSphere MQ product documentation, and use either the IBM MQ Support site: https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM Support Assistant (ISA): https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ9468

Cluster receiver channel *<insert_3>* has been configured by multiple queue managers.

Severity

0 : Informational

Explanation

Queue manager *<insert_4>* has joined a cluster using a cluster receiver channel with the same name as one that has already been defined by queue manager *<insert_5>*. All cluster receiver channels used within a cluster must be uniquely named. Only the last queue manager to join the cluster will use the named channel, Queue manager *<insert_5>* will not successfully participate in the cluster while the newer queue manager is a member.

Response

The use of a channel name currently associated with a different queue manager in the cluster may be intentional, for example, the original queue manager may have been deleted and re-created as a new queue manager. However, accidental duplication of a channel name across multiple queue managers will also result in this behaviour. If this was not intended, further investigation into the configuration of the queue managers should be performed.

AMQ9469

Update not received for CLUSRCVR channel &3 hosted on queue manager &4 in cluster &5.

Severity

10 : Warning

Explanation

The repository manager detected that the CLUSRCVR channel has not been republished by its owning queue manager. This republish action should have happened automatically *<insert_1>* between then and now.

The repository manager will check for this condition approximately every hour, continuing for a period of approximately *<insert_2>* days from now. If an update for the CLUSRCVR channel is received during this period, these messages will stop. If no update is received, these messages will continue to be written. However, after this period has elapsed, if no update has been received, the local queue manager will discard its knowledge of this channel, and these messages will stop. You should be aware that partial repository queue managers in this cluster will cease to be able to use the channel at about that time.

Response

There are several possible responses:

1. If the channel had been removed intentionally, and is no longer required, you should consider removing it fully by using the RESET CLUSTER command.
2. There is a long-running problem with the local queue manager's CLUSRCVR in cluster *<insert_5>*. If this is true, then correct the problem urgently to ensure that updates for the cluster are received.
3. There is a long-running problem on the remote queue manager's CLUSSDR in cluster *<insert_5>*. If this is true, then correct the problem urgently to ensure that updates for the cluster are sent.
4. Check that the repository manager on the remote queue manager has not ended abnormally.
5. The remote queue manager is out of step with this queue manager, potentially due to a restore of the queue manager from a backup. The remote queue manager must issue REFRESH CLUSTER to synchronize with other queue managers in the cluster.

6. If the above items have been checked and this problem persists over several days causing repeats of this error message in the local queue manager's error logs, contact your IBM support center.

AMQ9487

Remote queue manager is a standby queue manager.

Severity

30 : Severe error

Explanation

Channel *<insert_3>* is closing because the remote queue manager is a standby queue manager.

Response

None.

AMQ9488

Program cannot connect to the standby queue manager.

Severity

30 : Severe error

Explanation

The connection attempt to queue manager *<insert_4>* failed with reason code *<insert_1>* because the queue manager is a standby queue manager.

Response

Standby queue managers do not accept connections. Connect to the primary queue manager instead.

AMQ9489

The maximum number of instances, *<insert_1>* , of channel *<insert_3>* was reached.

Severity

30 : Severe error

Explanation

The server-connection channel *<insert_3>* is configured so that the maximum number of instances that can run at the same time is *<insert_1>*. This limit was reached.

Response

Try the operation again when a new instance can be started.

If the limit has been reached because there are too many connections from one or more of your client applications, consider changing the applications to make fewer connections.

If you are not making use of sharing conversations, consider switching to this mode of operation because several client connections can then share one channel instance.

AMQ9490

The maximum number of instances, *<insert_1>* , of channel *<insert_3>* was reached for an individual client.

Severity

30 : Severe error

Explanation

The server-connection channel *<insert_3>* is configured so that the maximum number of instances that can run at the same time for any individual client is *<insert_1>* . This limit was reached for the client with remote network address *<insert_4>*.

Response

Try the operation again when a new instance can be started for this client.

If the limit has been reached because there are too many connections from the relevant client application, consider changing the application to make fewer connections.

If you are not making use of sharing conversations, consider switching to this mode of operation because several client connections can then share one channel instance.

AMQ9491

Transmission Queue *<insert_3>* set to NOSHARE.

Severity

20 : Error

Explanation

The channel *<insert_4>* on queue manager *<insert_5>* cannot start because this queue manager has a setting for PipeLineLength greater than 1, and so multiple threads will run in this channel's MCA. Only the first thread would be able to open the Transmission Queue *<insert_3>* because it is set to be non-shareable.

Response

Check the definition of the Transmission Queue *<insert_3>* on queue manager *<insert_5>* and set it to be SHARE instead of NOSHARE. Alternatively, you can set all channels on this queue manager to use only a single thread, by using the PipeLineLength parameter.

AMQ9492

The *<insert_3>* responder program encountered an error.

Severity

30 : Severe error

Explanation

The responder program was started but detected an error.

Response

Look at previous error messages in the error files to determine the error encountered by the responder program.

AMQ9494

A protocol error was detected for channel *<insert_3>* .

Severity

30 : Severe error

Explanation

During communications with the remote queue manager, a TCP/IP read and receive call returned EINTR, indicating that it had been interrupted. Immediately after this the channel program detected a protocol error. The failure type was *<insert_1>* with associated data of *<insert_2>*.

Response

If you are running an AIX client you will avoid problems arising from EINTRs on TCP/IP reads, by writing your application so that system calls interrupted by signals are restarted. You must establish the signal handler with sigaction(2) and set the SA_RESTART flag in the sa_flags field of the new action structure. If you are running on a platform other than AIX, an AIX server, or an AIX client with an application that adheres to the restart guidelines provided above, contact the systems administrator who should examine the error logs to determine the cause of the failure.

AMQ9495

The CLWL exit *<insert_3>* is inconsistent with a dynamic cache.

Severity

30 : Severe error

Explanation

When the CLWL exit *<insert_3>* was called for the ExitReason MQXR_INIT, the value *<insert_1>* was returned in the ExitResponse2 field. This indicates the CLWL exit is incompatible with the Queue Manager cache type which is dynamic. Either change the Queue Manager cache type to static (using the Tuning Parameter, ClusterCacheType=STATIC) or rewrite the CLWL exit to be compatible with a dynamic cache". The CLWL exit has been suppressed.

Response

None.

AMQ9496

Channel ended by a remote exit.

Severity

30 : Severe error

Explanation

Channel program *<insert_3>* was ended because the channel exit at the remote end requested it.

Response

Examine the error logs at the remote end of the channel to see the reason why the remote exit ended the channel.

AMQ9498

The MQCD structure supplied was not valid.

Severity

30 : Severe error

Explanation

The value of the *<insert_3>* field has the value *<insert_4>*. This value is invalid for the operation requested.

Response

Change the parameter and retry the operation.

AMQ9499

A WebSphere MQ listener will end shortly.

Severity

0 : Information

Explanation

One listener detected in the system is scheduled for shutdown.

Response

None.

AMQ9500

No Repository storage

Severity

10 : Warning

Explanation

An operation failed because there was no storage available in the repository. An attempt was made to allocate *<insert_1>* bytes from *<insert_3>*.

Response

Reconfigure the Queue Manager to allocate a larger repository.

AMQ9501

Usage: *<insert_3>* [-m QMgrName] -c ChlName.

Severity

10 : Warning

Explanation

Values passed to the channel program are not valid. The parameter string passed to this program is as follows: *[-m QMgrName] -c ChlName*. Default values will be used for parameters not supplied.

Response

Correct the parameters passed to the Channel program and retry the operation.

AMQ9502

Type of channel not suitable for action requested.

Severity

30 : Severe error

Explanation

The operation requested cannot be performed on channel *<insert_3>*. Some operations are only valid for certain channel types. For example, you can only ping a channel from the end sending the message.

Response

Check whether the channel name is specified correctly. If it is check that the channel has been defined correctly.

AMQ9503

Channel negotiation failed.

Severity

30 : Severe error

Explanation

Channel <insert_3> between this machine and the remote machine could not be established due to a negotiation failure.

Response

Tell the systems administrator, who should attempt to identify the cause of the channel failure using problem determination techniques. For example, look for FFST files, and examine the error logs on the local and remote systems where there may be messages explaining the cause of failure. More information may be obtained by repeating the operation with tracing enabled.

AMQ9504

A protocol error was detected for channel <insert_3> .

Severity

30 : Severe error

Explanation

During communications with the remote queue manager, the channel program detected a protocol error. The failure type was <insert_1> with associated data of <insert_2>.

Response

Contact the systems administrator who should examine the error logs to determine the cause of the failure.

AMQ9505

Channel sequence number wrap values are different.

Severity

30 : Severe error

Explanation

The sequence number wrap value for channel <insert_3> is <insert_1>, but the value specified at the remote location is <insert_2>. The two values must be the same before the channel can be started.

Response

Change either the local or remote channel definitions so that the values specified for the message sequence number wrap values are the same.

AMQ9506

Message receipt confirmation failed.

Severity

30 : Severe error

Explanation

Channel <insert_3> has ended because the remote queue manager did not accept the last batch of messages.

Response

The error log for the channel at the remote site will contain an explanation of the failure. Contact the remote Systems Administrator to resolve the problem.

AMQ9507

Channel <insert_3> is currently in-doubt.

Severity

30 : Severe error

Explanation

The requested operation cannot complete because the channel is in-doubt with host <insert_4>.

Response

Examine the status of the channel, and either restart a channel to resolve the in-doubt state, or use the RESOLVE CHANNEL command to correct the problem manually.

AMQ9508

Program cannot connect to the queue manager.

Severity

30 : Severe error

Explanation

The connection attempt to queue manager <insert_4> failed with reason code <insert_1>.

Response

Ensure that the queue manager is available and operational.

AMQ9509

Program cannot open queue manager object.

Severity

30 : Severe error

Explanation

The attempt to open either the queue or queue manager object <insert_4> on queue manager <insert_5> failed with reason code <insert_1>.

Response

Ensure that the queue is available and retry the operation.

AMQ9510

Messages cannot be retrieved from a queue.

Severity

30 : Severe error

Explanation

The attempt to get messages from queue <insert_4> on queue manager <insert_5> failed with reason code <insert_1>.

Response

If the reason code indicates a conversion problem, for example, MQRC_SOURCE_CCSID_ERROR, remove the message(s) from the queue. Otherwise, ensure that the required queue is available and operational.

AMQ9511

Messages cannot be put to a queue.

Severity

30 : Severe error

Explanation

The attempt to put messages to queue <insert_4> on queue manager <insert_5> failed with reason code <insert_1>.

Response

Ensure that the required queue is available and operational.

AMQ9512

Ping operation is not valid for channel <insert_3> .

Severity

30 : Severe error

Explanation

Ping may only be issued for SENDER, SERVER or CLUSSDR channel types. Also, it may not be issued for an SSL channel on the HP-UX or Linux platforms.

Response

If the local channel is a receiver channel, you must issue the ping from the remote queue manager.

AMQ9513

Maximum number of channels reached.

Severity

30 : Severe error

Explanation

The maximum number of channels that can be in use simultaneously has been reached. The number of permitted channels is a configurable parameter in the queue manager configuration file.

Response

Wait for some of the operating channels to close. Retry the operation when some channels are available.

AMQ9514

Channel <insert_3> is in use.

Severity

30 : Severe error

Explanation

The requested operation failed because channel <insert_3> is currently active.

Response

Either end the channel manually, or wait for it to close, and retry the operation.

AMQ9515

Channel <insert_3> changed.

Severity

10 : Warning

Explanation

The statistics shown are for the channel requested, but it is a new instance of the channel. The previous channel instance has ended.

Response

None.

AMQ9516

File error occurred.

Severity

30 : Severe error

Explanation

The filesystem returned error code <insert_1> for file <insert_3>.

Response

Record the name of the file <insert_3> and tell the systems administrator, who should ensure that file <insert_3> is correct and available.

AMQ9516 (IBM i)

File error occurred.

Severity

30 : Severe error

Explanation

The filesystem returned error code <insert_4> for file <insert_3>.

Response

Record the name of the file <insert_3> and tell the systems administrator, who should ensure that file <insert_3> is correct and available.

AMQ9517

File damaged.

Severity

30 : Severe error

Explanation

The program has detected damage to the contents of file <insert_3>.

Response

Record the values and tell the systems administrator who must restore a saved version of file <insert_3>. The return code was <insert_1> and the record length returned was <insert_2>.

AMQ9518

File <insert_3> not found.

Severity

30 : Severe error

Explanation

The program requires that the file <insert_3> is present and available.

Response

This may be caused by invalid values for the optional environment variables MQCHLLIB, MQCHLTAB or MQDATA. If these variables are valid or not set then record the name of the file and tell the systems administrator who must ensure that file <insert_3> is available to the program.

AMQ9519

Channel <insert_3> not found.

Severity

30 : Severe error

Explanation

The requested operation failed because the program could not find a definition of channel <insert_3>.

Response

Check that the name is specified correctly and the channel definition is available.

AMQ9520

Channel not defined remotely.

Severity

30 : Severe error

Explanation

There is no definition of channel <insert_3> at the remote location.

Response

Add an appropriate definition to the remote hosts list of defined channels and retry the operation.

AMQ9521

Host is not supported by this channel.

Severity

30 : Severe error

Explanation

The connection across channel <insert_5> was refused because the remote host <insert_4> did not match the host <insert_3> specified in the channel definition.

Response

Update the channel definition, or remove the explicit mention of the remote machine connection name.

AMQ9522

Error accessing the status table.

Severity

30 : Severe error

Explanation

The program could not access the channel status table.

Response

A value of *<insert_1>* was returned from the subsystem when an attempt was made to access the Channel status table. Contact the systems administrator, who should examine the log files to determine why the program was unable to access the status table.

AMQ9523

Remote host detected a protocol error.

Severity

30 : Severe error

Explanation

During communications through channel *<insert_3>* , the remote queue manager channel program detected a protocol error. The failure type was *<insert_1>* with associated data of *<insert_2>*.

Response

Tell the systems administrator, who should examine the error files to determine the cause of the failure.

AMQ9524

Remote queue manager unavailable.

Severity

30 : Severe error

Explanation

Channel *<insert_3>* cannot start because the remote queue manager is not currently available.

Response

Either start the remote queue manager, or retry the operation later.

AMQ9525

Remote queue manager is ending.

Severity

30 : Severe error

Explanation

Channel *<insert_3>* is closing because the remote queue manager is ending.

Response

None.

AMQ9526

Message sequence number error for channel *<insert_3>* .

Severity

30 : Severe error

Explanation

The local and remote queue managers do not agree on the next message sequence number. A message with sequence number *<insert_1>* has been sent when sequence number *<insert_2>* was expected. The remote host is *<insert_4>*.

Response

Determine the cause of the inconsistency. It could be that the synchronization information has become damaged, or has been backed out to a previous version. If the situation cannot be resolved, the sequence number can be manually reset at the sending end of the channel using the RESET CHANNEL command.

AMQ9527

Cannot send message through channel *<insert_3>* .

Severity

30 : Severe error

Explanation

The channel has closed because the remote queue manager cannot receive a message.

Response

Contact the systems administrator who should examine the error files of the remote queue manager, to determine why the message cannot be received, and then restart the channel.

AMQ9528

User requested closure of channel <insert_3> .

Severity

10 : Warning

Explanation

The channel is closing because of a request by the user.

Response

None.

AMQ9529

Target queue unknown on remote host.

Severity

30 : Severe error

Explanation

Communication using channel <insert_3> has ended because the target queue for a message is unknown at the remote host.

Response

Ensure that the remote host contains a correctly defined target queue, and restart the channel.

AMQ9530

Program could not inquire queue attributes.

Severity

30 : Severe error

Explanation

The attempt to inquire the attributes of queue <insert_4> on queue manager <insert_5> failed with reason code <insert_1>.

Response

Ensure that the queue is available and retry the operation.

AMQ9531

Transmission queue specification error.

Severity

30 : Severe error

Explanation

Queue <insert_4> identified as a transmission queue in the channel definition <insert_3> is not a transmission queue.

Response

Ensure that the queue name is specified correctly. If so, alter the queue usage parameter of the queue to that of a transmission queue.

AMQ9532

Program cannot set queue attributes.

Severity

30 : Severe error

Explanation

The attempt to set the attributes of queue <insert_4> on queue manager <insert_5> failed with reason code <insert_1>.

Response

Ensure that the queue is available and retry the operation.

AMQ9533

Channel <insert_3> is not currently active.

Severity

10 : Warning

Explanation

The channel was not stopped because it was not currently active. If attempting to stop a specific instance of a channel by connection name or by remote queue manager name this message indicates that the specified instance of the channel is not running.

Response

None.

AMQ9534

Channel <insert_3> is currently not enabled.

Severity

30 : Severe error

Explanation

The channel program ended because the channel is currently not enabled.

Response

Issue the START CHANNEL command to re-enable the channel.

AMQ9535

User exit not valid.

Severity

30 : Severe error

Explanation

Channel program <insert_3> ended because user exit <insert_4> is not valid.

Response

Ensure that the user exit is specified correctly in the channel definition, and that the user exit program is correct and available.

AMQ9536

Channel ended by an exit.

Severity

30 : Severe error

Explanation

Channel program <insert_3> was ended by exit <insert_4>.

Response

None.

AMQ9537

Usage: <insert_3> [-m QMgrName] [-q InitQ]

Severity

10 : Warning

Explanation

Values passed to the Channel Initiator program are not valid. The parameters should be passed as follows: [-m QMgrName] [-q InitQ] Default values are used for parameters that are not supplied.

Response

Correct the parameters passed to the program and retry the operation.

AMQ9538

Commit control error.

Severity

30 : Severe error

Explanation

An error occurred when attempting to start commitment control. Either exception <insert_3> was received when querying commitment status, or commitment control could not be started.

Response

Refer to the error log for other messages pertaining to this problem.

AMQ9539

No channels available.

Severity

30 : Severe error

Explanation

The channel initiator program received a trigger message to start an MCA program to process queue <insert_3>. The program could not find a defined, available channel to start.

Response

Ensure that there is a defined channel, which is enabled, to process the transmission queue.

AMQ9540

Commit failed.

Severity

30 : Severe error

Explanation

The program ended because return code <insert_1> was received when an attempt was made to commit change to the resource managers. The commit ID was <insert_3>.

Response

Tell the systems administrator.

AMQ9541

CCSID supplied for data conversion not supported.

Severity

30 : Severe error

Explanation

The program ended because, either the source CCSID <insert_1> or the target CCSID <insert_2> is not valid, or is not currently supported.

Response

Correct the CCSID that is not valid, or ensure that the requested CCSID can be supported.

AMQ9542

Queue manager is ending.

Severity

10 : Warning

Explanation

The program will end because the queue manager is quiescing.

Response

None.

AMQ9543

Status table damaged.

Severity

30 : Severe error

Explanation

The channel status table has been damaged.

Response

End all running channels and issue a DISPLAY CHSTATUS command to see the status of the channels. Use the standard facilities supplied with your system to record the problem identifier and to save any generated output files. Use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is

already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9544

Messages not put to destination queue.

Severity

10 : Warning

Explanation

During the processing of channel *<insert_3>* one or more messages could not be put to the destination queue and attempts were made to put them to a dead-letter queue. The location of the queue is *<insert_1>*, where 1 is the local dead-letter queue and 2 is the remote dead-letter queue.

Response

Examine the contents of the dead-letter queue. Each message is contained in a structure that describes why the message was put to the queue, and to where it was originally addressed. Also look at previous error messages to see if the attempt to put messages to a dead-letter queue failed. The program identifier (PID) of the processing program was *<insert_4>*.

AMQ9545

Disconnect interval expired.

Severity

0 : Information

Explanation

Channel *<insert_3>* closed because no messages arrived on the transmission queue within the disconnect interval period.

Response

None.

AMQ9546

Error return code received.

Severity

30 : Severe error

Explanation

The program has ended because return code *<insert_1>* was returned from function *<insert_3>*

Response

Correct the cause of the failure and retry the operation.

AMQ9547

Type of remote channel not suitable for action requested.

Severity

30 : Severe error

Explanation

The operation requested cannot be performed because channel *<insert_3>* on the remote machine is not of a suitable type. For example, if the local channel is defined as a sender the remote machine must define its channel as either a receiver or requester.

Response

Check that the channel name is specified correctly. If it is, check that the remote channel has been defined correctly.

AMQ9548

Message put to the 'dead-letter queue'.

Severity

10 : Warning

Explanation

During processing a message has been put to the dead-letter queue.

Response

Examine the contents of the dead-letter queue. Each message is contained in a structure that describes why the message was put to the queue, and to where it was originally addressed.

AMQ9549

Transmission Queue <insert_3> inhibited for MQGET.

Severity

20 : Error

Explanation

An MQGET failed because the transmission queue had been previously inhibited for MQGET.

Response

None.

AMQ9550

Channel program <insert_3> cannot be stopped at this time.

Severity

30 : Severe error

Explanation

The channel program cannot be terminated immediately but should end shortly.

Response

If the channel does not end in a short time issue the STOP CHANNEL command again.

AMQ9551

Protocol not supported by remote host

Severity

30 : Severe error

Explanation

The operation you are performing over Channel <insert_3> to the host at <insert_4> is not supported by the target host.

Response

Check that the connection name parameter is specified correctly and that the levels of the products in use are compatible.

AMQ9552

Security flow not received.

Severity

30 : Severe error

Explanation

During communications through channel <insert_3> the local security exit requested security data from the remote machine. The security data has not been received so the channel has been closed.

Response

Tell the systems administrator who should ensure that the security exit on the remote machine is defined correctly.

AMQ9553

The function is not supported.

Severity

30 : Severe error

Explanation

The <insert_3> function <insert_4> attempted is not currently supported on this platform.

Response

None.

AMQ9554

User not authorized.

Severity

30 : Severe error

Explanation

You are not authorized to perform the Channel operation.

Response

Tell the systems administrator who should ensure that the correct access permissions are available to you, and then retry the operation.

AMQ9555

File format error.

Severity

30 : Severe error

Explanation

The file *<insert_3>* does not have the expected format.

Response

Ensure that the file name is specified correctly.

AMQ9556

Channel synchronization file missing or damaged.

Severity

30 : Severe error

Explanation

The channel synchronization file *<insert_3>* is missing or does not correspond to the stored channel information for queue manager *<insert_4>*.

Response

Rebuild the synchronization file using the `rcrmqobj` command

```
rcrmqobj -t syncfile (-m q-mgr-name)
```

AMQ9556 (IBM i)

Channel synchronization file missing or damaged.

Severity

30 : Severe error

Explanation

The channel synchronization file *<insert_3>* is missing or does not correspond to the stored channel information for queue manager *<insert_4>*.

Response

Rebuild the synchronization file using the `RCRMQMOBJ` command.

AMQ9557

Queue Manager User ID initialization failed.

Severity

30 : Severe error

Explanation

The call to initialize the User ID failed with CompCode *<insert_1>* and Reason *<insert_2>* .

Response

Correct the error and try again.

AMQ9558

The remote channel *<insert_3>* is not currently available.

Severity

30 : Severe error

Explanation

The channel program ended because an instance of channel <insert_3> could not be started on the remote system. This could be for one of the following reasons:

The channel is disabled.

The remote system does not have sufficient resources to run another instance of the channel.

In the case of a client-connection channel, the limit on the number of instances configured for the remote server-connection channel was reached.

Response

Check the remote system to ensure that the channel is able to run. Try the operation again.

AMQ9560

Rebuild Synchronization File - program started

Severity

0 : Information

Explanation

Rebuilding the Synchronization file for Queue Manager <insert_3> .

Response

None.

AMQ9561

Rebuild Synchronization File - program completed normally

Severity

0 : Information

Explanation

Rebuild Synchronization File program completed normally.

Response

None.

AMQ9562

Synchronization file in use.

Severity

30 : Severe error

Explanation

The Synchronization file <insert_3> is in use and cannot be re-created.

Response

Stop any channel activity and retry the rcrmqobj command.

AMQ9562 (IBM i)

Synchronization file in use.

Severity

30 : Severe error

Explanation

The Synchronization file <insert_3> is in use and cannot be re-created.

Response

Stop any channel activity and retry the RCRMQMOBJ command.

AMQ9563

Synchronization file cannot be deleted

Severity

30 : Severe error

Explanation

The filesystem returned error code <insert_1> for file <insert_3>.

Response

Tell the systems administrator who should ensure that file *<insert_3>* is available and not in use.

AMQ9564

Synchronization File cannot be created

Severity

30 : Severe error

Explanation

The filesystem returned error code *<insert_1>* for file *<insert_3>*.

Response

Tell the systems administrator.

AMQ9565

No dead-letter queue defined.

Severity

30 : Severe error

Explanation

The queue manager *<insert_4>* does not have a defined dead-letter queue. A message cannot be transferred across channel *<insert_5>*. The reason code is *<insert_1>*. The destination queue is *<insert_3>*.

Response

Either correct the problem that caused the program to try and write a message to the dead-letter queue or create a dead-letter queue for the queue manager.

AMQ9566

Invalid MQSERVER value

Severity

30 : Severe error

Explanation

The value of the MQSERVER environment variable was *<insert_3>*. The variable should be in the format 'ChannelName/Protocol/ConnectionName'.

Response

Correct the MQSERVER value and retry the operation.

AMQ9572

Message header is not valid.

Severity

30 : Severe error

Explanation

Channel *<insert_3>* is stopping because a message header is not valid. During the processing of the channel, a message was found that has a header that is not valid. The dead-letter queue has been defined as a transmission queue, so a loop would be created if the message had been put there.

Response

Correct the problem that caused the message to have a header that is not valid.

AMQ9573

Maximum number of active channels reached.

Severity

30 : Severe error

Explanation

There are too many channels active to start another. The current defined maximum number of active channels is *<insert_1>*.

Response

Either wait for some of the operating channels to close or use the stop channel command to close some channels. Retry the operation when some channels are available. The maximum number of active channels is a configurable parameter in the queue manager configuration file.

AMQ9574

Channel <insert_3> can now be started.

Severity

30 : Severe error

Explanation

Channel <insert_3> has been waiting to start, but there were no channels available because the maximum number of active channels was running. One, or more, of the active channels has now closed so this channel can start.

AMQ9575

DCE Security: failed to get the user's login name.

Severity

30 : Severe error

Explanation

System call <insert_4> to get the login name of the user running WebSphere MQ MQI client application process <insert_1> failed with error value <insert_2> . This occurred in security exit function create_cred. The exit will now attempt to open channel <insert_3> using the DCE default login context.

Response

If you wish to run using the DCE default login context take no action. If you wish to run using the user's login name as the DCE security exit principal examine the documentation for the operating system on which you are running MQ MQI clients and reconfigure the operating system as necessary to allow the <insert_4> call to succeed.

AMQ9576

DCE Security: an exit could not allocate memory.

Severity

30 : Severe error

Explanation

A DCE exit was unsuccessful in obtaining the memory it needed. The failure occurred in exit function <insert_4> . Channel <insert_3> is closed.

Response

Make more memory available to the WebSphere MQ system and restart the relevant channel.

AMQ9577

DCE security exit: no partner name.

Severity

30 : Severe error

Explanation

Channel <insert_3> has not been opened because the DCE security exit which initiates the security context was not passed a valid partner name. When the DCE security exit is called to initiate the security context it is essential that the PartnerName field in the MQCXP structure contains a valid partner name. On this call it did not. This can arise as a result of a usage error, for example, only specifying the security exit on one end of the channel. The error was reported from security exit function savePartnerName.

Response

Check your usage of the DCE security exit for errors, such as only specifying the exit in one of the matching channel definitions. Correct any errors found and retry.

AMQ9578

DCE Security: bad return from DCE call.

Severity

30 : Severe error

Explanation

Channel <insert_3> has been closed because one of the DCE channel exits received a bad return code from DCE.

Response

Consult the appropriate DCE manuals to find out the meaning of major_status <insert_1> and minor_status <insert_2> on call <insert_5>. Then rectify the error. The exit function name is <insert_4> .

AMQ9579

DCE Security: partner name does not match target.

Severity

30 : Severe error

Explanation

The DCE Security exit was requested to perform a trusted channel check: target partner name <insert_4> was specified in the SCYDATA field of channel <insert_3>. The actual partner name associated with channel <insert_3> was <insert_5>, so the security exit suppressed the channel.

Response

Examine the channel definition of channel <insert_3> and alter it so that the relevant name on the partner system matches that specified in the SCYDATA field.

AMQ9580

DCE Security: invalid message received.

Severity

30 : Severe error

Explanation

An IBM-supplied DCE exit on channel <insert_3> received a message that was not generated by a matching exit, or was not the expected type of message. The header.mechanism field had value <insert_1>. The header.msgtype field had value <insert_2>. The name of the exit function in which the error was discovered is <insert_4> .

Response

Make sure that the exits at both ends of the channel generate compatible flows.

AMQ9581

DCE Security: wrong exit called.

Severity

30 : Severe error

Explanation

Exit <insert_4> on channel <insert_3> was called for use as a WebSphere MQ exit of the wrong type. DCE_SEC_SCY_CHANNELEXIT functions as a security exit; DCE_SEC_SRM_CHANNELEXIT functions as a send, receive or message exit. The ExitId parameter passed to the exit was <insert_1>.

Response

Alter the exit definitions to ensure that exit <insert_4> is called correctly.

AMQ9582

DCE Security: invalid exit function requested.

Severity

30 : Severe error

Explanation

Exit <insert_4> on channel <insert_3> was called with an invalid ExitReason (value <insert_1>).

Response

Check that the exit is being run with a compatible release of WebSphere MQ base code. If not then correct it. If it is, save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at <https://www.ibm.com/>

[support/home/product/C100515X13178X21/other_software/ibm_support_assistant](https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant), to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ9583

The DCE security exit was not run.

Severity

30 : Severe error

Explanation

The DCE_SEC_SRM_CHANNELEXIT exit was called on channel *<insert_3>*; the value of pContext->mechanism (*<insert_1>*) passed was not valid.

Response

This is probably because the DCE_SEC_SRM_CHANNELEXIT exit has been called without first calling the DCE_SEC_SCY_CHANNELEXIT security exit. Alter the system so that either both or neither are run.

AMQ9584

DCE Security: message too short.

Severity

30 : Severe error

Explanation

The DCE_SEC_SRM_CHANNELEXIT receive or message exit was called on channel *<insert_3>* to process an incoming message. The pDataLength parameter supplied to the exit indicated that the message received was too short to be a valid message for the relevant exit. The *pDataLength value was *<insert_1>* .

Response

Configure the system so that compatible send/receive/message exits are run at both ends of the channel.

AMQ9585

Maximum number of channel initiators reached.

Severity

30 : Severe error

Explanation

The maximum number of channels initiators that can be in use simultaneously has been reached. The number of permitted channel initiators is a configurable parameter in the queue manager configuration file.

Response

Wait for one or more channel initiators to close and retry the operation or modify the configuration file to allow more initiators and restart the Queue Manager.

AMQ9586

Program cannot create queue manager object.

Severity

30 : Severe error

Explanation

The attempt to create object *<insert_4>* on queue manager *<insert_5>* failed with reason code *<insert_1>*.

Response

Use the standard facilities supplied with your system to record the problem identifier. Save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ , or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ9587

Program cannot open queue manager object.

Severity

30 : Severe error

Explanation

The attempt to open object <insert_4> on queue manager <insert_5> failed with reason code <insert_1>.

Response

Use the standard facilities supplied with your system to record the problem identifier. Save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ9588

Program cannot update queue manager object.

Severity

30 : Severe error

Explanation

The attempt to update object <insert_4> on queue manager <insert_5> failed with reason code <insert_1>.

Response

Use the standard facilities supplied with your system to record the problem identifier. Save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ9589

Program cannot query queue manager object.

Severity

30 : Severe error

Explanation

The attempt to query object <insert_4> on queue manager <insert_5> failed with reason code <insert_1>.

Response

Use the standard facilities supplied with your system to record the problem identifier. Save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ9590

Program cannot close queue manager object.

Severity

30 : Severe error

Explanation

The attempt to close object <insert_4> on queue manager <insert_5> failed with reason code <insert_1>.

Response

Use the standard facilities supplied with your system to record the problem identifier. Save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ9591

Program cannot prepare queue manager object.

Severity

30 : Severe error

Explanation

The attempt to prepare object *<insert_4>* on queue manager *<insert_5>* failed with reason code *<insert_1>*.

Response

Use the standard facilities supplied with your system to record the problem identifier. Save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ9592

Program cannot resolve queue manager object.

Severity

30 : Severe error

Explanation

The attempt to resolve object *<insert_4>* on queue manager *<insert_5>* failed with reason code *<insert_1>*.

Response

Use the standard facilities supplied with your system to record the problem identifier. Save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ9593

Program cannot delete queue manager object.

Severity

30 : Severe error

Explanation

The attempt to delete object *<insert_4>* on queue manager *<insert_5>* failed with reason code *<insert_1>*.

Response

Use the standard facilities supplied with your system to record the problem identifier. Save any generated output files and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ9594

Usage: runmqfmt [filename].

Severity

0 : Information

Explanation

Syntax for the usage of runmqfmt.

Response

None.

AMQ9595

Usage: endmqlsr [-w] [-m QMgrName]

Severity

10 : Warning

Explanation

The correct usage is shown.

Response

Correct the parameters passed to the endmqslr program and retry the operation.

AMQ9596

Queue Manager <insert_3> still running

Severity

30 : Severe error

Explanation

The requested operation cannot complete because queue manager <insert_3> is still running.

Response

End the queue manager and retry the operation.

AMQ9597

No WebSphere MQ listeners for Queue Manager <insert_3> .

Severity

0 : Information

Explanation

No listener processes were found in the system for Queue Manager <insert_3>.

Response

None.

AMQ9598

<insert_1> WebSphere MQ listeners will end shortly.

Severity

0 : Information

Explanation

<insert_1> listeners detected in the system are scheduled for shutdown.

Response

None.

AMQ9599

Program could not open a queue manager object.

Severity

30 : Severe error

Explanation

The attempt to open either the queue or queue manager object <insert_4> on queue manager <insert_5> by user <insert_3> failed with reason code <insert_1>.

Response

Ensure that the queue is available and retry the operation. If the message is from a remote Queue Manager, check the Message Channel Agent User Identifier has the correct authority.

AMQ9601

Program could not inquire on queues on this queue manager.

Severity

30 : Severe error

Explanation

The WebSphere MQ clustering repository program was attempting to find out about the queues on queue manager <insert_3> . One of the calls failed with reason code <insert_1> . The repository command was backed out and the repository process went into a timed wait.

Response

Correct the error. When the repository process restarts it processes the backed out command again and continues.

AMQ9602

Maximum number of channel processes reached.

Severity

30 : Severe error

Explanation

The channel cannot start because the number of channel processes has already reached the maximum allowable value. The maximum number of channels processes is configured as *<insert_1>* . This value is a configurable parameter in the queue manager configuration file.

Response

Wait for some of the operating channels to close. Retry the operation when some channels are available.

AMQ9603

Error accessing the process pool shared segment.

Severity

30 : Severe error

Explanation

The program could not access the process pool shared segment

Response

A value of *<insert_1>* was returned from the subsystem when an attempt was made to access the Channel process pool shared memory. Contact the systems administrator, who should examine the log files to determine why the program was unable to access the process pool shared segment.

AMQ9604

Channel *<insert_3>* terminated unexpectedly

Severity

30 : Severe error

Explanation

The process or thread executing channel *<insert_3>* is no longer running. The check process system call returned *<insert_1>* for process *<insert_2>* .

Response

No immediate action is required because the channel entry has been removed from the list of running channels. Inform the system administrator who should examine the operating system procedures to determine why the channel process has terminated.

AMQ9605

<insert_1> WebSphere MQ listeners have been ended.

Severity

0 : Information

Explanation

<insert_1> listeners detected in the system have been ended.

Response

None.

AMQ9606

A WebSphere MQ listener has ended.

Severity

0 : Information

Explanation

One listener detected in the system has been ended.

Response

None.

AMQ9608

Remote resources in recovery

Severity

30 : Severe error

Explanation

Channel <insert_3> could not establish a successful connection with the remote Queue Manager because resources are being recovered.

Response

Restart the channel at a later time. If the problem persists then examine the error logs of the remote Queue Manager to see the full explanation of the cause of the problem.

AMQ9610

AMQ<insert_1> messages suppressed

Severity

0 : Information

Explanation

<insert_2> messages of type AMQ <insert_1> were suppressed

Response

Message suppression is controlled by MQ_CHANNEL_SUPPRESS_MSGS and MQ_CHANNEL_SUPPRESS_INTERVAL environment variables.

AMQ9611

Rebuild Client Channel Table - program completed normally

Severity

0 : Information

Explanation

Rebuild Client Channel Table program completed normally.

Response

None.

AMQ9612

<insert_1> WebSphere MQ listeners could not be ended.

Severity

0 : Information

Explanation

The request to the end the WebSphere MQ listeners for specified Queue Manager was completed however <insert_1> listeners could not be stopped. Reasons why listener may not be stopped are:

The listener process contains channels which are still active.

Response

Active channels may be stopped using the 'STOP CHANNEL' command or by ending the Queue Manager, and reissuing the end-listener request.

AMQ9614 (IBM i)

Certificate is not signed by a trusted Certificate Authority.

Severity

0 : Information

Explanation

The attempt to start channel <insert_3> failed because the certificate used in the SSL handshake is not signed by a Certificate Authority (CA) listed in the certificate trust list for this queue manager. This error occurs when the SSL key repository for the queue manager is specified as '*SYSTEM' and the application definition in Digital Certificate Manager has been modified to specify a CA trust list.

Response

Use Digital Certificate Manager to add the required Certificate Authority (CA) certificates to the application definitions CA trust list.

AMQ9615 (IBM i)

Queue Manager is not registered with DCM.

Severity

0 : Information

Explanation

The attempt to start channel *<insert_3>* failed because the queue manager is not registered as a SSL server application with Digital Certificate Manager (DCM). This error occurs when the SSL key repository for the queue manager is specified as '*SYSTEM' but WebSphere MQ cannot register the queue manager as an SSL server application with DCM, or alternatively when the application definition for the queue manager has been manually removed from DCM.

Response

Attempt to re-register the queue manager with Digital Certificate Manager by issuing CHGMQM SSLKEYR(*SYSTEM). If this is unsuccessful you may need to manually add the application definition through Digital Certificate Manager, see the WebSphere MQ Security manual for more details.

AMQ9616

The CipherSpec proposed is not enabled on the server.

Severity

30 : Severe error

Explanation

The SSL or TLS subsystem at the server end of a channel been configured in such a way that it has rejected the CipherSpec proposed by an SSL or TLS client. This rejection occurred during the secure socket handshake (i.e. it happened before the proposed CipherSpec was compared with the CipherSpec in the server channel definition).

This error most commonly occurs when the choice of acceptable CipherSpecs has been limited in one of the following ways:

(a) The server queue manager SSLFipsRequired attribute is set to YES and the channel is using a CipherSpec which is not FIPS-certified on the server.

(b) The server queue manager EncyptionPolicySuiteB attribute has been set to a value other than NONE and the channel is using a CipherSpec which does not meet the server's configured Suite B security level.

The channel is '*<insert_3>*', in some cases its name cannot be determined and is shown as '????'. The channel did not start.

Response

Analyse why the proposed CipherSpec was not enabled on the SSL server. Alter the client CipherSpec, or reconfigure the SSL server to accept the original client CipherSpec. Restart the channel.

This message might occur after applying WebSphere MQ maintenance because the FIPS and Suite B standards are updated periodically. When such changes occur, WebSphere MQ is also updated to implement the latest standard. As a result, you might see changes in behavior after applying maintenance. For more information about the versions of FIPS and Suite B standards enforced by WebSphere MQ, see [the readme file](#).

AMQ9617

Parameter requesting FIPS has an invalid value.

Severity

30 : Severe error

Explanation

An SSL channel running on an MQ MQI client has failed to start. This is because the value specified for the MQSSLFIPS environment variable, or in the MQSCO FipsRequired field, is invalid. The value specified was "*<insert_3>*".

Response

Set the MQSSLFIPS environment variable, or the MQSCO FipsRequired field, to a valid value. Restart the channel.

AMQ9618

SSLCTRLNL attribute points to a namelist with no names.

Severity

30 : Severe error

Explanation

An SSL channel has failed to start because the SSLCRLNL queue manager attribute points to a namelist with an empty list of names.

Response

If OCSP or CRL checking is required, set up the namelist referenced by SSLCRLNL with a non-empty list of authentication information object names. If no OCSP or CRL checking is required, clear the SSLCRLNL queue manager attribute. Restart the failing channel.

AMQ9619

SSL cannot be run from an unthreaded HP-UX MQ MQI client.

Severity

30 : Severe error

Explanation

On HP-UX, SSL cannot be run from a WebSphere MQ MQI client which was linked with the unthreaded client libraries.

Response

Either relink your client application with the threaded client libraries, or do not attempt to use SSL from this application.

AMQ9620

Internal error on call to SSL function on channel *<insert_3>* .

Severity

30 : Severe error

Explanation

An error indicating a software problem was returned from a function which is used to provide SSL support. The error code returned was *<insert_1>*. The function call was *<insert_4>* . The channel is *<insert_3>*; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

Response

Collect the items listed in the 'Problem determination' section of the System Administration manual and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ9620 (IBM i)

Unexpected SSL error on call to *<insert_4>* .

Severity

0 : Information

Explanation

An unexpected SSL error was returned from function *<insert_4>* for channel *<insert_3>*. The error code returned was *<insert_1>*. GSKit error codes are documented in the MQ manuals and also in the GSKSSL member of the H file in library QSYSINC.

Response

Collect the items listed in the 'Problem determination' section of the System Administration manual and use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

AMQ9621

Error on call to SSL function ignored on channel *<insert_3>* .

Severity

10 : Warning

Explanation

An error indicating a software problem was returned from a function which is used to provide SSL support. The error code returned was *<insert_1>*. The function call was *<insert_4>*. The channel is *<insert_3>*; in some cases its name cannot be determined and so is shown as '????'. This error is not regarded as sufficiently serious to interrupt channel operation; channel operation was not affected.

Response

None.

AMQ9622

AUTHINFO object *<insert_1>* does not exist.

Severity

30 : Severe error

Explanation

A channel or channel process has failed to start because the namelist of AUTHINFO objects includes the name *<insert_1>*, but no AUTHINFO object of that name exists.

Response

Ensure all the names in the namelist specified on the SSLCRLNL queue manager attribute correspond to AUTHINFO objects which are to be used on the SSL channels. Restart the failing channel or channel process.

AMQ9623

Error inquiring on AUTHINFO object *<insert_3>*.

Severity

30 : Severe error

Explanation

A channel or channel process has failed to start because reason code *<insert_1>* was returned when an inquire was performed on AUTHINFO object *<insert_3>*.

Response

Look at the MQRC_ values in the WebSphere MQ Application Programming Reference to determine the meaning of reason code *<insert_1>*, correct the error, and restart the failing channel or channel process.

AMQ9624

AUTHINFO object *<insert_3>* is not of type CRLLDAP or OCSP.

Severity

30 : Severe error

Explanation

A channel or channel process has failed to start because one of the AUTHINFO objects specified in the SSLCRLNL namelist does not have a valid AUTHTYPE. Instead the type value is *<insert_1>*.

Response

Include only AUTHINFO objects with AUTHTYPE CRLLDAP or AUTHTYPE OCSP in the namelist specified on the SSLCRLNL queue manager attribute. Restart the channel or channel process.

AMQ9625

AUTHINFO object *<insert_3>* was specified with an invalid CONNAME.

Severity

30 : Severe error

Explanation

A channel or channel process has failed to start because one of the AUTHINFO objects specified in the SSLCRLNL namelist has an invalid CONNAME parameter. The invalid value is *<insert_4>*.

Response

Correct the invalid parameter. Restart the channel or channel process.

AMQ9626

Channel hanging while initializing SSL.

Severity

30 : Severe error

Explanation

The current channel cannot start because another channel is hanging while initializing the SSL subsystem.

Response

Investigate the reason for the hang on the other channel. Once this is rectified, restart this channel.

AMQ9627

The path and stem name for the SSL key repository have not been specified.

Severity

30 : Severe error

Explanation

The directory path and file stem name for the SSL key repository have not been specified. On a MQ MQI client system there is no default location for this file. SSL connectivity is therefore impossible as this file cannot be accessed.

Response

Use the MQSSLKEYR environment variable or MQCONNX API call to specify the directory path and file stem name for the SSL key repository.

AMQ9628

An LDAP server containing CRLs was specified with an invalid CONNAME.

Severity

30 : Severe error

Explanation

The WebSphere MQ MQI client has failed to connect because an invalid CONNAME was found for one of the LDAP servers containing CRLs. The invalid value is *<insert_3>*.

Response

Correct the invalid parameter. If the LDAP details were defined on a queue manager system, regenerate the client definitions. Reconnect.

AMQ9629

Bad SSL cryptographic hardware parameters.

Severity

30 : Severe error

Explanation

The following string was supplied to specify or control use of SSL cryptographic hardware: *<insert_4>*. This string does not conform to any of the MQ SSL cryptographic parameter formats. The channel is *<insert_3>*. The channel did not start.

Response

Correct your SSL cryptographic hardware parameters and restart the channel.

AMQ9630

An expired SSL certificate was loaded.

Severity

30 : Severe error

Explanation

An SSL certificate that was loaded was not corrupt, but failed validation checks on its date fields. The certificate has either expired, or its date is not valid yet (that is, the from date is later than today), or the validity date range is incorrect (for example, the to date is earlier than the from date).

Response

Ensure that the specified SSL certificate has a valid expiry date.

AMQ9631

The CipherSpec negotiated during the SSL handshake does not match the required CipherSpec for channel *<insert_3>*.

Severity

30 : Severe error

Explanation

There is a mismatch between the CipherSpecs on the local and remote ends of channel *<insert_3>*. The channel will not run until this mismatch is resolved. The CipherSpec required in the local channel definition is *<insert_4>*. The name of the CipherSpec negotiated during the SSL handshake is *<insert_5>*. A code is displayed if the name of the negotiated CipherSpec cannot be determined.

Response

Change the channel definitions for *<insert_3>* so the two ends have matching CipherSpecs and restart the channel. If the certificate in use by one end of the channel is a Global Server Certificate, then the negotiated CipherSpec may not match that specified on either end of the channel. This is because the SSL protocol allows a Global Server Certificate to automatically negotiate a higher level of encryption. In these cases specify a CipherSpec which meets the requirements of the Global Server Certificate.

AMQ9631 (IBM i)

The CipherSpecs at the ends of channel *<insert_3>* do not match.

Severity

30 : Severe error

Explanation

There is a mismatch between the CipherSpecs on the local and remote ends of channel *<insert_3>*. The channel will not run until this mismatch is resolved. The local CipherSpec is *<insert_4>* and the remote CipherSpec is *<insert_5>*.

Response

Change the channel definition for *<insert_3>* so that both ends have matching CipherSpecs and restart the channel.

AMQ9633

Bad SSL certificate for channel *<insert_3>*.

Severity

30 : Severe error

Explanation

A certificate encountered during SSL handshaking is regarded as bad for one of the following reasons:

- (a) it was formatted incorrectly and could not be validated
- (b) it was formatted correctly but failed validation against the Certificate Authority (CA) root and other certificates held on the local system
- (c) it was found in a Certification Revocation List (CRL) on an LDAP server
- (d) a CRL was specified but the CRL could not be found on the LDAP server
- (e) an OCSP responder has indicated that it is revoked

The channel is *<insert_1>*; in some cases its name cannot be determined and so is shown as '????'. The remote host is '*<insert_3>*'. The channel did not start.

The details of the certificate which could not be validated are '*<insert_2>*'.

The certificate validation error was 2222.

Response

Check which of the possible causes applies on your system. Correct the error, and restart the channel.

AMQ9634

SSL security context expired.

Severity

30 : Severe error

Explanation

During an SSL operation to encrypt or decrypt a secured message, the SSL security context, which is used to secure communications and was previously established with the remote party, has expired

because the remote party has shut down. The secured message has not been encrypted or decrypted. This failure has closed WebSphere MQ channel name <insert_3>. If the name is '????', the name is unknown. The SSL operation was <insert_4> and its completion code was <insert_5>.

Response

Determine why the remote party has shut down and if necessary re-start the channel. The shut down might be the result of controlled termination by a system administrator, or the result of an unexpected termination due to an error. The SSL operation is described in the Windows Schannel reference manual.

AMQ9635

Channel <insert_3> did not specify a valid CipherSpec.

Severity

30 : Severe error

Explanation

Channel <insert_3> did not specify a valid CipherSpec.

Response

Change channel <insert_3> to specify a valid CipherSpec.

AMQ9635 (IBM i)

Channel <insert_3> did not specify a valid CipherSpec.

Severity

30 : Severe error

Explanation

Channel <insert_3> did not specify a valid CipherSpec, or it specified a CipherSpec that is not available from the IBM Cryptographic Access Provider product installed on this machine. CipherSpecs that use 128-bit encryption algorithms are only available in 5722-AC3 (128-bit) IBM Cryptographic Access Provider.

Response

Change channel <insert_3> to specify a valid CipherSpec that is available from the IBM Cryptographic Access Provider product installed on this machine. Check that the CipherSpec you are using is available on this machine in either the 5722-AC2 (56-bit) IBM Cryptographic Access Provider or 5722-AC3 (128-bit) IBM Cryptographic Access Provider licensed program.

AMQ9636

SSL distinguished name does not match peer name, channel <insert_3>.

Severity

30 : Severe error

Explanation

The distinguished name, <insert_4>, contained in the SSL certificate for the remote end of the channel does not match the local SSL peer name for channel <insert_3> . The distinguished name at the remote end must match the peer name specified (which can be generic) before the channel can be started.

Response

If this remote system should be allowed to connect, either change the SSL peer name specification for the local channel so that it matches the distinguished name in the SSL certificate for the remote end of the channel, or obtain the correct certificate for the remote end of the channel. Restart the channel.

AMQ9637

Channel is lacking a certificate.

Severity

30 : Severe error

Explanation

The channel is lacking a certificate to use for the SSL handshake. The channel name is <insert_3> (if '????' it is unknown at this stage in the SSL processing). The channel did not start.

Response

Make sure the appropriate certificates are correctly configured in the key repositories for both ends of the channel.

If you have migrated from WebSphere MQ V5.3 to V6, it is possible that the missing certificate is due to a failure during SSL key repository migration. Check the relevant error logs. If these show that an orphan certificate was encountered then you should obtain the relevant missing certificate authority (signer) certificates and then import these and the orphan certificate into the WebSphere MQ V6 key repository, and then re-start the channel.

AMQ9638

SSL communications error for channel *<insert_3>* .

Severity

30 : Severe error

Explanation

An unexpected SSL communications error occurred for a channel, as reported in the preceding messages. The channel is *<insert_3>* ; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

Response

Investigate the problem reported in the preceding messages. Review the local and remote console logs for reports of network errors. Correct the errors and restart the channel.

AMQ9639

Remote channel *<insert_3>* did not specify a CipherSpec.

Severity

30 : Severe error

Explanation

Remote channel *<insert_3>* did not specify a CipherSpec when the local channel expected one to be specified. The channel did not start.

Response

Change the remote channel *<insert_3>* to specify a CipherSpec so that both ends of the channel have matching CipherSpecs.

AMQ9640

SSL invalid peer name, channel *<insert_3>* , attribute *<insert_5>*.

Severity

30 : Severe error

Explanation

The SSL peer name for channel *<insert_3>* includes a distinguished name attribute key *<insert_5>* which is invalid or unsupported. The channel did not start.

Response

Correct the SSL peer name for the channel. Restart the channel.

AMQ9641

Remote CipherSpec error for channel *<insert_3>* .

Severity

30 : Severe error

Explanation

The remote end of channel *<insert_3>* has had a CipherSpec error. The channel did not start.

Response

Review the error logs on the remote system to discover the problem with the CipherSpec.

AMQ9642

No SSL certificate for channel *<insert_3>* .

Severity

30 : Severe error

Explanation

The channel *<insert_3>* did not supply a certificate to use during SSL handshaking, but a certificate is required by the remote queue manager. The channel did not start.

Response

Ensure that the key repository of the local queue manager or MQ MQI client contains an SSL certificate which is associated with the queue manager or client. Alternatively, if appropriate, change the remote channel definition so that its SSLCAUTH attribute is set to OPTIONAL and it has no SSLPEER value set.

If you have migrated from WebSphere MQ V5.3 to V6, it is possible that the missing certificate is due to a failure during SSL key repository migration. Check the relevant error logs. If these show that an orphan certificate was encountered then you should obtain the relevant missing certificate authority (signer) certificates and then import these and the orphan certificate into the WebSphere MQ V6 key repository, and then re-start the channel.

AMQ9642 (IBM i)

No SSL certificate for channel *<insert_3>* .

Severity

0 : Information

Explanation

The channel *<insert_3>* did not supply a certificate to use during SSL handshaking, but a certificate is required by the remote queue manager. The channel did not start.

Response

If the SSL key repository for the queue manager has been specified as '*SYSTEM' ensure that a certificate has been associated with the application description for the queue manager in Digital Certificate Manager. Alternatively, if appropriate, change the remote channel definition so that its SSLCAUTH attribute is set to OPTIONAL and it has no SSLPEER value set.

AMQ9643

Remote SSL peer name error for channel *<insert_3>* .

Severity

30 : Severe error

Explanation

The remote end of channel *<insert_3>* has had an SSL peer name error. The channel did not start.

Response

Review the error logs on the remote system to discover the problem with the peer name.

AMQ9645

Correctly labeled SSL certificate missing on channel *<insert_3>*.

Severity

30 : Severe error

Explanation

The key database file in use has not been set up with a correctly labeled SSL certificate. The channel is *<insert_3>* ; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

Response

Add a correctly labeled SSL certificate to the current key database file. Restart the channel.

AMQ9646

Channel *<insert_3>* could not connect to any LDAP CRL servers.

Severity

30 : Severe error

Explanation

LDAP Certification Revocation List (CRL) servers were specified but a connection could not be established to any of them. The channel is *<insert_3>*; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

Response

Check that the LDAP CRL server specifications are correct. If they are, check that the servers are running and that the networking to access them is working correctly. Fix any errors found and restart the channel.

AMQ9647

I/O error on SSL key repository.

Severity

30 : Severe error

Explanation

An I/O error was encountered when attempting to read the SSL key repository. The channel is <insert_3>; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

Response

Analyse why there is a I/O problem when reading the key repository. Fix the error if one is found, or it may be a temporary problem. Restart the channel.

AMQ9648

The SSL key repository has an invalid internal format.

Severity

30 : Severe error

Explanation

The SSL key repository has an invalid internal format. The channel is <insert_3>; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

Response

re-create the SSL key repository and restart the channel.

AMQ9649

The SSL key repository contains duplicate keys.

Severity

30 : Severe error

Explanation

The SSL key repository contains two or more entries with the same key. The channel is <insert_3>; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

Response

Use your key management tool to remove the duplicate keys. Restart the channel.

AMQ9650

The SSL key repository contains entries with duplicate labels.

Severity

30 : Severe error

Explanation

The SSL key repository contains two or more entries with the same label. The channel is <insert_3>; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

Response

Use your key management tool to remove the duplicate entries. Restart the channel.

AMQ9651

The SSL key repository is corrupt or has a bad password.

Severity

30 : Severe error

Explanation

The SSL key repository has become corrupted or its password id is incorrect. The channel is <insert_3>; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

Response

Use your key management tool to re-create the key repository with a new password. Restart the channel.

AMQ9652

The remote SSL certificate has expired.

Severity

30 : Severe error

Explanation

The SSL certificate used by MQ on the remote end of the channel has expired. The channel is <insert_3>; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

Response

Use your key management tool to provide MQ with a current SSL certificate on the remote end of the channel. Restart the channel.

AMQ9653

An SSL trace file could not be opened.

Severity

10 : Warning

Explanation

An SSL trace file could not be opened. The SSL trace files are created in directory /var/mqm/trace and have names AMQ.SSL.TRC and AMQ.SSL.TRC.1. The channel is <insert_3>; in some cases its name cannot be determined and so is shown as '????'. This error is not regarded as sufficiently serious to interrupt channel operation; channel operation was not affected.

Response

Check that you have a directory called /var/mqm/trace and that the userid under which WebSphere MQ runs has permissions and space to create and open a file in that directory. Fix the problem and you will get SSL trace output.

AMQ9654

An invalid SSL certificate was received from the remote system.

Severity

30 : Severe error

Explanation

An SSL certificate received from the remote system was not corrupt but failed validation checks on something other than its ASN fields and date. The channel is <insert_3>; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

Additionally, this error is seen for a certificate validation error 8(ssl_rc) - GSK_ERROR_CERT_VALIDATION. This error occurs when the certificate can not be validated, and the certificate chain can not be built because the certificate is not in the key database.

Response

Ensure that the remote system has a valid SSL certificate. Restart the channel.

AMQ9655

Problem loading GSKit SSL support.

Severity

30 : Severe error

Explanation

MQ SSL support is provided on this platform using a component called GSKit which is installed as part of MQ. GSKit had an internal problem loading one of its dynamic link libraries. The channel is <insert_3>; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

Response

Uninstall MQ and reinstall. Restart the channel.

AMQ9656

An invalid SSL certificate was received from the remote system.

Severity

30 : Severe error

Explanation

An SSL certificate received from the remote system was not corrupt but failed validation checks on its ASN fields. The channel is *<insert_3>*; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

Response

Ensure that the remote system has a valid SSL certificate. Restart the channel.

AMQ9657

The key repository could not be opened (channel *<insert_3>*).

Severity

30 : Severe error

Explanation

The key repository could not be opened. The key repository either does not exist or has incorrect permissions associated with it. The channel is *<insert_3>*; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

Response

Ensure that the key repository you specify exists and that its permissions are such that the MQ process involved can read from it. Restart the channel.

AMQ9658

An invalid SSL certificate has been encountered.

Severity

30 : Severe error

Explanation

An SSL certificate has been encountered which was not corrupt but which failed validation checks on its date fields. The certificate has either expired, or its date is not valid yet (i.e. the from date is later than today), or the validity date range is incorrect (for example, the to date is earlier than the from date). The channel is *<insert_3>*; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

Response

Ensure that both the local and remote systems have valid, current SSL certificates. Restart the channel.

AMQ9659

A failure occurred during SSL handshaking.

Severity

30 : Severe error

Explanation

During SSL handshaking, or associated activities, a failure occurred. The failure is *<insert_4>* and has caused WebSphere MQ channel name *<insert_3>* to be closed. If the name is '????' then the name is unknown.

Response

Refer to prior message in the WebSphere MQ error log for information related to this problem.

AMQ9660

SSL key repository: password stash file absent or unusable.

Severity

30 : Severe error

Explanation

The SSL key repository cannot be used because MQ cannot obtain a password to access it. Reasons giving rise to this error include:

- (a) the key database file and password stash file are not present in the location configured for the key repository,
- (b) the key database file exists in the correct place but that no password stash file has been created for it,
- (c) the files are present in the correct place but the userid under which MQ is running does not have permission to read them,
- (d) one or both of the files are corrupt.

The channel is *<insert_3>* ; in some cases its name cannot be determined and so is shown as '????'.
The channel did not start.

Response

Ensure that the key repository variable is set to where the key database file is. Ensure that a password stash file has been associated with the key database file in the same directory, and that the userid under which MQ is running has read access to both files. If both are already present and readable in the correct place, delete and re-create them. Restart the channel.

AMQ9661

Bad SSL data from peer on channel *<insert_3>* .

Severity

30 : Severe error

Explanation

An SSL channel has stopped because bad SSL data was received from the remote end of the channel. More detail on the nature of the corruption can be found from the GSKit return value of *<insert_1>* (the GSKit return values are documented in the MQ manuals). The channel is *<insert_3>*; in some cases its name cannot be determined and so is shown as '????'.

Response

Ensure you are connecting to a version of MQ which supports SSL at the remote end of the channel. Check your network between the two ends of the channel, and consider whether any possible causes of message corruption could be present. Fix any problems which may exist and restart the channel.

AMQ9661 (IBM i)

Bad SSL data from peer on channel *<insert_3>* .

Severity

0 : Information

Explanation

An SSL channel has stopped because bad SSL data was received from the remote end of the channel. More detail on the nature of the corruption can be found from the GSKit return value of *<insert_1>* (the GSKit return values are documented in the MQ manuals and also in the GSKSSL member of the H file in library QSYSINC). The channel is *<insert_3>*; in some cases its name cannot be determined and so is shown as '????'.

Response

Ensure the remote queue manager and channel listener are running and that you are connecting to a version of MQ which supports SSL at the remote end of the channel. Check your network between the two ends of the channel, and consider whether any possible causes of message corruption could be present. Fix any problems which may exist and restart the channel.

AMQ9662

SSL has encountered something it does not support.

Severity

30 : Severe error

Explanation

This error can arise for a number of reasons:

- (a) The platform does not support a particular type of cryptographic hardware, for example, nCipher nFast and Rainbow Cryptoswift are no longer supported.

(b) The cryptographic hardware cryptography has returned an error.

(c) Unsupported X509 General Name format when checking the remote certificate. The GSKit SSL provider incorporated in MQ only supports formats rfc822, DNSName, directoryname, uniformResourceID, and IPAddress.

The channel is *<insert_3>*; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

Response

Check that your cryptographic hardware is supported on your platform and test it to see that it is working correctly. Check that the remote certificates you are using conform to the X509 General Name formats listed. Fix the problem and restart the channel.

AMQ9663

An invalid SSL certificate was received from the remote system.

Severity

30 : Severe error

Explanation

An SSL certificate received from the remote system failed validation checks on its signature. The channel is *<insert_3>* ; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

Response

Ensure that the remote system has a valid SSL certificate. Restart the channel.

AMQ9664

Bad userid for CRL LDAP server; SSL channel *<insert_3>* .

Severity

30 : Severe error

Explanation

Certification Revocation List (CRL) checking on an LDAP server or servers has been configured on the local MQ system. The userid information configured for the LDAP server or servers is incorrect. The channel is *<insert_3>*; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

Response

Check the userid information for the CRL LDAP server or servers you have configured locally. Correct any problems found and restart the channel.

AMQ9665

SSL connection closed by remote end of channel *<insert_3>* .

Severity

30 : Severe error

Explanation

The SSL connection was closed by the remote end of the channel during the SSL handshake. The channel is *<insert_3>* ; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

Response

Check the remote end of the channel for SSL-related errors. Fix them and restart the channel.

AMQ9666

Error accessing CRL LDAP servers; SSL channel *<insert_3>* .

Severity

30 : Severe error

Explanation

CRL checking on LDAP servers has been configured on the local MQ system. An error was found when trying to access the CRL LDAP servers when validating a certificate from the remote system. Possible causes are:

(a) cannot connect to any of the LDAP servers, or

(b) the certificate issuer's Distinguished Name (DN) is not defined in the DIT of an LDAP server.

The channel is *<insert_3>*; in some cases its name cannot be determined and so is shown as '????'.
The channel did not start.

Response

Check access to the CRL LDAP server(s) you have configured locally. Put right any problems found and restart the channel.

AMQ9667

Bad user name or password for CRL LDAP server; SSL channel *<insert_3>*.

Severity

30 : Severe error

Explanation

Certification Revocation List (CRL) checking on an LDAP server or servers has been configured on the local MQ system. The user name or password information configured for the LDAP server or servers is incorrect. The channel is *<insert_3>*; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

Response

Check the user name and password information for the CRL LDAP server or servers you have configured locally. Correct any problems found and restart the channel.

AMQ9668

The specified PKCS #11 shared library could not be loaded.

Severity

30 : Severe error

Explanation

A failed attempt was made to load the PKCS #11 shared library specified to MQ in the PKCS #11 driver path field of the GSK_PKCS11 SSL CryptoHardware parameter. The channel is *<insert_3>*; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

Response

Ensure that the PKCS #11 shared library exists and is valid at the location specified. Restart the channel.

AMQ9669

The PKCS #11 token could not be found.

Severity

30 : Severe error

Explanation

The PKCS #11 driver failed to find the token specified to MQ in the PKCS #11 token label field of the GSK_PKCS11 SSL CryptoHardware parameter. The channel is *<insert_3>*; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

Response

Ensure that the PKCS #11 token exists with the label specified. Restart the channel.

AMQ9670

PKCS #11 card not present.

Severity

30 : Severe error

Explanation

A PKCS #11 card is not present in the slot. The channel is *<insert_3>*; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

Response

Ensure that the correct PKCS #11 card is present in the slot. Restart the channel.

AMQ9671

The PKCS #11 token password specified is invalid.

Severity

30 : Severe error

Explanation

The password to access the PKCS #11 token is invalid. This is specified to MQ in the PKCS #11 token password field of the GSK_PKCS11 SSL CryptoHardware parameter. The channel is <insert_3> ; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

Response

Ensure that the PKCS #11 token password specified on GSK_PKCS11 allows access to the PKCS #11 token specified on GSK_PKCS11. Restart the channel.

AMQ9672

An SSL security call failed.

Severity

30 : Severe error

Explanation

An SSPI call to the Secure Channel (Schannel) SSL provider failed. The failure has caused WebSphere MQ channel name <insert_3> to be closed. If the name is '????' then the name is unknown.

Response

Consult the Windows Schannel reference manual to determine the meaning of status <insert_5> for SSPI call <insert_4>. Correct the failure and if necessary re-start the channel.

AMQ9673

SSL client handshaking failed.

Severity

30 : Severe error

Explanation

During an SSL client's handshaking, an SSPI call to the Secure Channel (Schannel) SSL provider failed. The failure has caused WebSphere MQ channel name <insert_3> to be closed. If the name is '????' then the name is unknown.

Response

Consult the Windows Schannel reference manual to determine the meaning of status <insert_4> for SSPI call <insert_5>. Correct the failure and if necessary re-start the channel.

AMQ9674

An unknown error occurred during an SSL security call.

Severity

30 : Severe error

Explanation

An unknown error occurred during an SSPI call to the Secure Channel (Schannel) SSL provider. The error may be due to a Windows SSL problem or to a general Windows problem or to invalid WebSphere MQ data being used in the call. The WebSphere MQ error recording routine has been called. The error has caused WebSphere MQ channel name <insert_3> to be closed. If the name is '????' then the name is unknown.

Response

Consult the Windows Schannel reference manual to determine the meaning of status <insert_5> for SSPI call <insert_4>. If the problem can be resolved using the manual, correct the failure and if necessary re-start the channel. If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9675

The requested certificate could not be found.

Severity

30 : Severe error

Explanation

A request for a certificate identified as <insert_4> <insert_5> in the store <insert_3> has failed, because the certificate could not be found. The Windows error code has been set to <insert_1>. The WebSphere MQ error recording routine has been called.

Response

Consult the Windows reference manual to determine the meaning of error <insert_1> if this value is non-zero. Check to see whether the specified certificate has been copied to the correct certificate store and has not been deleted. Use the WebSphere MQ Explorer administration application to configure certificate store for use with WebSphere MQ. If the problem cannot be resolved, use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ , or the https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant , to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9676

The Windows cryptographic services library could not be loaded.

Severity

30 : Severe error

Explanation

WebSphere MQ requires crypt32.dll to be available in order to carry out cryptographic functionality. The attempt to load this library returned the Windows error code <insert_1>. The WebSphere MQ error recording routine has been called.

Response

Consult the Windows reference manual to determine the meaning of error code <insert_1>. Check that the crypt32.dll file is available and not corrupt. If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9677

The Windows security services library could not be loaded.

Severity

30 : Severe error

Explanation

WebSphere MQ requires <insert_3> to be available in order to run or configure SSL functionality. The attempt to load this library returned the Windows error code <insert_1> . The WebSphere MQ error recording routine has been called.

Response

Consult the Windows reference manual to determine the meaning of error code <insert_1>. Check that the <insert_3> file is available and not corrupt. If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9678

The certificate <insert_4>/<insert_5> already exists in the store <insert_3>.

Severity

10 : Warning

Explanation

The certificate store <insert_3> already contains the specified certificate, identified by the issuer name of <insert_4>, serial number <insert_5> . The existing certificate has not been replaced.

AMQ9679

The certificate store <insert_3> could not be opened.

Severity

30 : Severe error

Explanation

The certificate store <insert_3> could not be opened, and failed with the Windows error code <insert_1> . The WebSphere MQ error recording routine has been called.

Response

Consult the Windows reference manual to determine the meaning of error <insert_1> if this value is non-zero. Check that either your MQSSLKEYR environment variable (for client connections), or SSLKEYR queue manager attribute (for WebSphere MQ queue managers) has been defined correctly, and that the file path specified is valid. If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ , or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9680

A problem was encountered with the specified certificate file.

Severity

30 : Severe error

Explanation

A problem occurred when attempting to read the certificate from the file <insert_3>. The file may be corrupt or incorrectly formatted. The Windows error code reported is <insert_1>. The WebSphere MQ error recording routine has been called.

Response

Ensure that the certificate file is valid and complete, and in one of the file formats supported by WebSphere MQ. If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9681

The requested functionality is not supported on this system.

Severity

30 : Severe error

Explanation

An SSL function was attempted that is not supported on this system. a) importing pfx format certificate files with private key data is only supported on Windows 2000 or greater. b) the security library installed on your system is not of the correct level and does not contain the pre-requisite functions. On pre Windows 2000 systems, Internet Explorer 4.1 or greater must be installed. The WebSphere MQ error recording routine has been called.

Response

If pre-requisite software is missing, please install the necessary levels of software and retry the operation. If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9682

The WebSphere MQ SSL library has not been initialized.

Severity

30 : Severe error

Explanation

The WebSphere MQ SSL library 'amqcssl.dll' has been called without it first being initialized by the calling process.

Response

Ensure that the initialization function has been called prior to issuing any amqcssl function calls.

AMQ9683

The private key data for this certificate is not exportable.

Severity

30 : Severe error

Explanation

An attempt has been made to export the private key data from a certificate, but the properties of the certificate will not allow this. WebSphere MQ needs to be able to export private key data when copying personal certificates between certificate stores. The Windows cryptographic API returned the error code *<insert_1>*.

Response

When requesting the certificate from the certificate authority, the private key data must be marked as exportable to enable WebSphere MQ to be able to copy the certificate and private key data into a WebSphere MQ store. The certificate file may need to be requested again to resolve this problem. If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9684

A problem occurred while attempting to access the certificate's properties.

Severity

30 : Severe error

Explanation

The certificate issued by *<insert_3>* with serial number *<insert_4>*, or its private key data, appears to be unusable and may be corrupt. The Windows return code *<insert_1>* was generated when attempting to use this certificate. The WebSphere MQ error recording routine has been called.

Response

Consult the Windows reference manual to determine the meaning of error *<insert_1>*. Check that the certificate is valid and has not been corrupted. If it is possible that the certificate or private key data is corrupt, try to remove the certificate from your system and re-import it. If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at <https://www.ibm.com/>

[support/home/product/C100515X13178X21/other_software/ibm_support_assistant](https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant), to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9685

A problem occurred while accessing the registry.

Severity

30 : Severe error

Explanation

An error occurred while attempting to load or unload the personal registry hive (HKEY_LOCAL_USER) for the user who launched this process. The WebSphere MQ error recording routine has been called.

Response

If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9686

An unexpected error occurred while attempting to manage a certificate store.

Severity

30 : Severe error

Explanation

The Windows cryptographic API returned error code *<insert_1>* when calling the function *<insert_3>* for certificate store *<insert_4>*. The error may be due to a certificate store problem or to a general Windows problem or to a problem with a certificate in the store. The WebSphere MQ error recording routine has been called.

Response

Consult the Windows reference manual to determine the meaning of error *<insert_1>*. Check that the certificate store is valid and not corrupt. If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9687

The pfx password provided is invalid.

Severity

30 : Severe error

Explanation

The password supplied for importing or copying the certificate is incorrect, and the operation could not be completed.

Response

Make sure the password is correct and try again. If the password has been forgotten or lost, the certificate will need to be regenerated or exported from the original source.

AMQ9688

The private key data for this certificate is unavailable.

Severity

30 : Severe error

Explanation

The private key data associated with this certificate is reported as being present on the system, but has failed, returning the Windows error code *<insert_1>*. The WebSphere MQ error recording routine has been called.

Response

Consult the Windows reference manual to determine the meaning of error code *<insert_1>*. If the problem can be resolved using the manual, correct the failure and if necessary re-try the operation. If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9689

An unknown error occurred deleting the store *<insert_3>*.

Severity

30 : Severe error

Explanation

The WebSphere MQ certificate store for queue manager *<insert_3>* could not be deleted. The filename for the certificate store is *<insert_4>*. The Windows error code has been set to *<insert_1>*. The WebSphere MQ error recording routine has been called.

Response

Consult the Windows reference manual to determine the meaning of error *<insert_1>*. If the problem can be resolved using the manual, correct the failure and if necessary re-try the operation. Check that the store file exists and that other processes (such as queue managers) that may be accessing the store are not running. If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9690

The public key in the issuer's certificate has failed to validate the subject certificate.

Severity

30 : Severe error

Explanation

The public key in the issuer's certificate (CA or signer certificate), is used to verify the signature on the subject certificate assigned to channel *<insert_3>*. This verification has failed, and the subject certificate therefore cannot be used. The WebSphere MQ error recording routine has been called.

Response

Check that the issuer's certificate is valid and available, and that it is up to date. Verify with the certificate's issuer that the subject certificate and issuer certificate should still be valid. If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9691

The WebSphere MQ MQI library could not be loaded.

Severity

30 : Severe error

Explanation

The library file *<insert_3>* is expected to be available on your system, but attempts to load it have failed with Windows return code *<insert_1>*. The WebSphere MQ error recording routine has been called.

Response

Ensure that the WebSphere MQ *<insert_3>* library file exists and is available on your system. Consult the Windows reference manual to determine the meaning of error code *<insert_1>*. If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9692

The SSL library has already been initialized.

Severity

20 : Error

Explanation

The SSL library has already been initialized once for this process, any changes to SSL attributes will not take affect, and the original values will remain in force.

Response

If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9693

The password provided for the LDAP server is incorrect.

Severity

30 : Severe error

Explanation

One or more of the LDAP servers used for providing CRL information to WebSphere MQ has rejected a login attempt because the password provided is incorrect. The WebSphere MQ error recording routine has been called. The error has caused WebSphere MQ channel name *<insert_3>* to be closed. If the name is '????' then the name is unknown.

Response

Ensure that the passwords specified in the AuthInfo objects are correct for each server name provided. If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9694

The DN syntax provided for an LDAP search is invalid.

Severity

30 : Severe error

Explanation

The distinguished name provided in one or more AuthInfo object definitions is invalid, and the request to a CRL LDAP server has been rejected. The WebSphere MQ error recording routine has been called.

The error has caused WebSphere MQ channel name *<insert_3>* to be closed. If the name is '????' then the name is unknown.

Response

Verify that the details supplied in the AuthInfo object definitions for this channel are correct. If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9695

The username provided for the LDAP server is incorrect.

Severity

30 : Severe error

Explanation

One or more of the LDAP servers used for providing CRL information to WebSphere MQ has rejected a login attempt because the username provided does not exist. The WebSphere MQ error recording routine has been called. The error has caused WebSphere MQ channel name *<insert_3>* to be closed. If the name is '????' then the name is unknown.

Response

Ensure that the username specified in the AuthInfo objects for this channel are correct for each LDAP server name provided. If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9697

WebSphere MQ Services could not be contacted on the target server.

Severity

30 : Severe error

Explanation

An attempt was made to contact the WebSphere MQ Services on the target server *<insert_3>*. The call failed with return code *<insert_1>*. The WebSphere MQ error recording routine has been called.

Response

Ensure that the target server name specified is correct and that you have sufficient access rights on that server to be able to administer WebSphere MQ. If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9698

An SSL security call failed during SSL handshaking.

Severity

30 : Severe error

Explanation

An SSPI call to the Secure Channel (Schannel) SSL provider failed during SSL handshaking. The failure has caused WebSphere MQ channel name *<insert_3>* to be closed. If the name is '????' then the name is unknown.

Response

Consult the Windows Schannel reference manual to determine the meaning of status *<insert_5>* for SSPI call *<insert_4>*. Correct the failure and if necessary re-start the channel.

AMQ9699

An unknown error occurred during an SSL security call during SSL handshaking.

Severity

30 : Severe error

Explanation

An unknown error occurred during an SSPI call to the Secure Channel (Schannel) SSL provider during SSL handshaking. The error may be due to a Windows SSL problem or to a general Windows problem or to invalid WebSphere MQ data being used in the call. The WebSphere MQ error recording routine has been called. The error has caused WebSphere MQ channel name *<insert_3>* to be closed. If the name is '????' then the name is unknown.

Response

Consult the Windows Schannel reference manual to determine the meaning of status *<insert_5>* for SSPI call *<insert_4>*. If the problem can be resolved using the manual, correct the failure and if necessary re-start the channel. If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9710

SSL security refresh failed.

Severity

30 : Severe error

Explanation

The request to refresh SSL security was unsuccessful.

Response

Look at previous error messages in the error files to determine the cause of the failure.

AMQ9711

SSL security refresh succeeded but channel restarts failed.

Severity

30 : Severe error

Explanation

The SSL environments for this queue manager have been refreshed so current values and certificates are in use for all SSL channels. However, not all the outbound SSL channels which were running when the security refresh was initiated could be restarted after the refresh had completed.

Response

Look at previous error messages in the error files to determine which channels could not be restarted. Restart these if necessary.

AMQ9712

SSL security refresh timed out waiting for channel *<insert_3>* .

Severity

30 : Severe error

Explanation

The system was performing a security refresh for SSL. This function requests all outbound and inbound SSL channels to stop. It then waits for these channels to actually stop. SSL channel *<insert_3>* did not stop within the timeout period.

Response

Investigate why channel <insert_3> is hung. Terminate the hung channel. Rerun the SSL security refresh.

AMQ9713

Channel <insert_3> ended: SSL refresh in progress.

Severity

0 : Information

Explanation

The SSL support on this queue manager is in the middle of a security refresh. An attempt was made to start outbound SSL channel <insert_3>. It cannot start while the SSL security refresh is in progress. The channel is restarted automatically once the SSL security refresh is complete.

Response

None.

AMQ9714

SSL refresh on receiving queue manager: channel did not start.

Severity

30 : Severe error

Explanation

An SSL security refresh is in progress on the queue manager at the receiving end of this SSL channel. The channel is <insert_3> ; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

Response

Restart the channel once the SSL refresh is complete. The channel will restart automatically if it is configured to retry the connection.

AMQ9715

Unexpected error detected in validating SSL session ID.

Severity

30 : Severe error

Explanation

This error can arise when the GSKit SSL provider is missing one or more pre-requisite PTFs on the OS/400 platform. The channel is <insert_3>; in some cases its name cannot be determined and so is shown as '????'.

Response

Ensure the GSKit SSL provider is at the latest level of maintenance and restart the channel.

AMQ9716

Remote SSL certificate revocation status check failed for channel <insert_2>.

Severity

30 : Severe error

Explanation

WebSphere MQ failed to determine the revocation status of the remote SSL certificate for one of the following reasons:

- (a) The channel was unable to contact any of the CRL servers or OCSP responders for the certificate.
- (b) None of the OCSP responders contacted knows the revocation status of the certificate.
- (c) An OCSP response was received, but the digital signature of the response could not be verified.

The details of the certificate in question are <insert_1>.

The channel name is <insert_2>. In some cases the channel name cannot be determined and so is shown as '????'.

The channel did not start

WebSphere MQ does not allow the channel to start unless the certificate revocation status can be determined.

Response

If the certificate contains an AuthorityInfoAccess extension, ensure that the OCSP server named in the certificate extension is available and is correctly configured.

If the certificate contains a CrlDistributionPoint extension, ensure that the CRL server named in the certificate extension is available and is correctly configured.

If you have specified any CRL or OCSP servers to WebSphere MQ, check that those servers are available and are correctly configured.

Ensure that the local key repository has the necessary SSL certificates to verify the digital signature of the response from the OCSP server.

AMQ9717

Remote SSL certificate revocation status check is unknown for channel <insert_2>.

Severity

10 : Warning

Explanation

WebSphere MQ was unable to determine the revocation status of the remote SSL certificate for one of the following reasons:

- (a) The channel was unable to contact any of the CRL servers or OCSP responders for the certificate.
- (b) None of the OCSP responders contacted knows the revocation status of the certificate.
- (c) An OCSP response was received, but the digital signature of the response could not be verified.

The details of the certificate in question are <insert_1>.

The channel name is <insert_2>. In some cases the channel name cannot be determined and so is shown as '????'.

The channel was allowed to start, but the revocation status of the remote SSL certificate has not been checked.

Response

If the certificate contains an AuthorityInfoAccess extension, ensure that the OCSP server named in the certificate extension is available and is correctly configured.

If the certificate contains a CrlDistributionPoint extension, ensure that the CRL server named in the certificate extension is available and is correctly configured.

If you have specified any CRL or OCSP servers to Websphere MQ, check that those servers are available and are correctly configured.

Ensure that the local key repository has the necessary SSL certificates to verify the digital signature of the response from the OCSP server.

If you require certificate revocation checks to be enforced, you should configure WebSphere MQ to require certificate revocation checking. Refer to the security section of the WebSphere MQ product documentation for more information on configuring certificate revocation checking.

AMQ9718

Invalid OCSP URL <insert_1>.

Severity

30 : Severe error

Explanation

WebSphere MQ was unable to start an SSL channel because one of the AUTHINFO objects specified in the SSLCRLNL namelist has an invalid OCSPURL parameter.

The OCSP URL is *<insert_1>* and the channel name is *<insert_2>*. In some cases the channel name cannot be determined and so is shown as '????'.

Response

The OCSP URL cannot be blank and must be a valid HTTP URL. Correct the OCSP URL and restart the channel or channel process.

Refer to the security section of the WebSphere MQ product documentation for details of how to use OCSP URLs.

AMQ9719

Invalid CipherSpec for FIPS mode.

Severity

30 : Severe error

Explanation

The user is attempting to start a channel on a queue manager or MQ MQI client which has been configured to run in FIPS mode. The user has specified a CipherSpec which is not FIPS-compliant. The channel is *<insert_3>*; in some cases its name cannot be determined and so is shown as '????'.

Response

Redefine the channel to run with a FIPS-compliant CipherSpec. Alternatively, the channel may be defined with the correct CipherSpec and the queue manager or MQ MQI client should not be running in FIPS mode; if this is the case, ensure that FIPS mode is not configured. Once the error is corrected, restart the channel.

AMQ9720

QUEUE MANAGERS:

Severity

0 : Information

Explanation

None.

Response

None.

AMQ9721

Queue Manager Name: *<insert_3>*

Severity

0 : Information

Explanation

None.

Response

None.

AMQ9722

CLIENTS:

Severity

0 : Information

Explanation

None.

Response

None.

AMQ9723

Client Certificate Store: *<insert_3>*

Severity

0 : Information

Explanation

None.

Response

None.

AMQ9724

Expiry Time: <insert_1>

Migration Status: To be migrated

Password: *****

Severity

0 : Information

Explanation

None.

Response

None.

AMQ9725

Expiry Time: <insert_1>

Migration Status: Failed

Password: *****

Severity

0 : Information

Explanation

None.

Response

None.

AMQ9726

A certificate failed to be migrated because it has an invalid date.

The certificate's details are:

[Microsoft Certificate Store], [Subject], [Issuer], [Serial Number]:

<insert_3> .

Severity

30 : Severe error

Explanation

During the migration of a certificate, the certificate's date fields have been found to be invalid. The certificate has either expired or its "from" date is later than today's date or its "to" date is earlier than the "from" date.

The certificate has not been migrated.

Response

If the certificate is required for migration then obtain a valid replacement before importing it into the GSKit key database <insert_5>.

AMQ9727

A certificate failed to be migrated because it has an incomplete certification path.

The certificate's details are:

[Microsoft Certificate Store], [Subject], [Issuer], [Serial Number]:

<insert_3>.

Severity

30 : Severe error

Explanation

During the migration of a certificate, the certificate's certificate authority (signer) certificate could not be found. The certificate is therefore regarded as an orphan certificate.

A copy of the certificate has been written to the file name <insert_4> .

If file name is suffixed ".cer" then the certificate is a certificate authority (signer) certificate. If file name is suffixed ".pfx" then the certificate is a personal certificate and it has a password which is the same as that specified for the GSKit key database <insert_5>. The certificate has not been migrated.

Response

If the certificate is required for migration then ensure that a complete certification path exists in the GSKit key database <insert_5> before importing the certificate.

AMQ9728

A certificate failed to be migrated because it could not be imported into the GSKit key database <insert_5>.

The certificate's details are:

[Microsoft Certificate Store], [Subject], [Issuer], [Serial Number]:

<insert_3> .

Severity

30 : Severe error

Explanation

A certificate failed to be imported because there was a problem during the migration of the certificate.

A copy of the certificate has been written to the file name <insert_4> .

If file name is suffixed ".cer" then the certificate is a certificate authority (signer) certificate. If file name is suffixed ".pfx" then the certificate is a personal certificate and it has a password which is the same as that specified for the GSKit key database <insert_5>. The certificate has not been migrated.

Response

Refer to the previous message in the error log to determine the cause of the failure. If appropriate, refer to the Windows or GSKit reference documentation to determine the cause.

AMQ9729

Unable to create certificate file <insert_3> .

Severity

30 : Severe error

Explanation

A certificate failed to be imported because there was a problem during the migration of the certificate. In addition to this first problem, a second problem occurred when trying to create a copy of the certificate by writing it to the file <insert_3> . The certificate is located in the Microsoft Certificate Store <insert_4>. The certificate is intended for the GSKit key database <insert_5>. If file name is suffixed ".cer" then the certificate is a certificate authority (signer) certificate. If file name is suffixed ".pfx" then the certificate is a personal certificate. The certificate has not been migrated.

Response

Determine the cause of the 2 problems. Refer to the previous message in the error log to determine the cause of the first failure. If appropriate, refer to the Windows or GSKit reference documentation to determine the cause. The second failure occurred during a call to the Windows 'CreateFile' function with a return code of <insert_1>. For this failure, check that file does not already exist and that you have authority to create this file.

AMQ9730

Certificate migration has completed with no failures. The number of certificates migrated was *<insert_1>*.

Severity

0 : Information

Explanation

The migration of certificates from the Microsoft Certificate Store *<insert_3>* to the GSKit key database *<insert_4>* has completed and there were no migration failures. The number of certificates migrated was *<insert_1>*.

Response

If any certificates were migrated, use the GSKit iKeyman GUI to verify that the GSKit key database contains all the certificates required to support the intended SSL channel. If no certificates were migrated then this is probably because *<insert_3>* contained only a default set of certificate authority (signer) certificates. The default set is not migrated because the newly created GSKit key database will have its own set which will be the same or more up to date.

Although there were no failures which caused certificates not to be migrated, there may have been other failures and these must be resolved otherwise the SSL channel may subsequently fail to start. Refer to the error log and check for any failures.

AMQ9732

A registry entry already exists for *<insert_3>*.

Severity

30 : Severe error

Explanation

The command has been used to request automatic migration for a queue manager's or a client's Microsoft Certificate Store. However, there is already an entry in the registry for this store. If the request was for a queue manager then *<insert_3>* is the queue manager name, otherwise it is the name of the client's Microsoft Certificate Store.

Response

List, and then check, the contents of the registry by running the Transfer Certificates (amqtcert) command with the options "-a -l". If it is necessary to replace the entry then firstly remove it, by using amqtcert with the "-r" option, then use amqtcert to request automatic migration.

AMQ9733

The request to automatically migrate certificates has completed successfully.

Severity

0 : Information

Explanation

A request was made to automatically migrate SSL certificates. This request may have been made during the installation of WebSphere MQ or by using the Transfer Certificates (amqtcert) command. The request has now been performed and the migration has completed successfully.

Response

Use the GSKit iKeyman GUI to verify that the GSKit key database contains all the certificates required to support the intended SSL channel. If no certificates were migrated then this is because the Microsoft Certificate Store contained only a default set of certificate authority (signer) certificates. The default set is not migrated because the newly created GSKit key database will have its own set which will be the same or more up to date.

AMQ9734

There was a failure during the automatic migration of certificates.

Severity

30 : Severe error

Explanation

A request was made to automatically migrate SSL certificates. This request may have been made during the installation of WebSphere MQ or by using the Transfer Certificates (amqtcert) command. The request has now been performed but there was a failure during the migration process.

Response

Refer to previous messages in the error log to determine the cause of the failure. It may be the case that all certificates have successfully migrated and that the failure did not affect this part of the migration process. In this case, use the GSKit iKeyman GUI to verify that the GSKit key database contains all the certificates required to support the intended SSL channel.

AMQ9735

Certificate migration has terminated unexpectedly. A failure occurred during GSKit initialization.

Severity

30 : Severe error

Explanation

The certificate migration process has terminated unexpectedly. The migration requires the GSKit environment to be successfully initialized. This involves the GSKit operations of initialization, creation of the key database and stashing of the key database password. There was a failure during one of these operations. No certificates have been migrated. If the stashing of the password failed then the key database *<insert_4>* will have been created. The failure occurred during the GSKit operation *<insert_3>* and the GSKit return code *<insert_1>* was generated.

Response

If the key database has been created then, after the cause of the failure has been resolved, delete it, remove the relevant registry state information and then re-try the certificate migration process. Use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9736

The library *<insert_3>* was not found.

Severity

30 : Severe error

Explanation

An attempt to dynamically load the library *<insert_3>* failed because the library was not found. If this is a WebSphere MQ library, it is only available on WebSphere MQ server installations and is required when the Transfer Certificates (amqtcert) command is used to perform a queue manager operation. If this is a GSKit library, it should have been installed during the WebSphere MQ installation.

Response

Do not use the command to perform a queue manager operation on a WebSphere MQ MQI client-only installation. If the command has been made on a WebSphere MQ server installation, or if it is a GSKit library which is missing, then record the problem identifier, save any generated output files and then use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9737

Unable to allocate memory.

Severity

30 : Severe error

Explanation

An attempt to allocate memory failed.

Response

Make more memory available to the command.

AMQ9739

The certificate store *<insert_3>* could not be accessed.

Severity

30 : Severe error

Explanation

The certificate store *<insert_3>* could not be accessed, and failed with Windows error code *<insert_1>* . If you are using the -c parameter check that the name given to amqtcert is correct. If you are using the -m parameter check the SSLKEYR value on the queue manager specified.

Response

Consult the Windows reference manual to determine the meaning of error *<insert_1>* if this value is non-zero. If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9740

The certificate store *<insert_3>* could not be opened.

Severity

30 : Severe error

Explanation

The certificate store *<insert_3>* could not be opened, and failed with Windows error code *<insert_1>* .

Response

Consult the Windows reference manual to determine the meaning of error *<insert_1>* if this value is non-zero. If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9741

A problem occurred during a Windows operation.

Severity

30 : Severe error

Explanation

During operation *<insert_3>*, the Windows return code *<insert_1>* was generated.

Response

Consult the Windows reference manual to determine the meaning of return code *<insert_1>* for operation *<insert_3>*.

AMQ9742

A problem occurred during a GSKit operation.

Severity

30 : Severe error

Explanation

During operation *<insert_3>*, the GSKit return code *<insert_1>* was generated.

Response

Use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then use either the <https://www.ibm.com/support/home/product/>

P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9743

A certificate failed to be migrated and failed to be logged.

The certificate's details are:

[Microsoft Certificate Store], [Subject], [Issuer], [Serial Number]:

<insert_3> .

Severity

30 : Severe error

Explanation

There was a problem trying to migrate a certificate to the GSKit key database <insert_5>.

Response

Refer to the previous message in the error log to determine why the migration failed.

AMQ9744

No matching automatic migration registry entry.

Severity

10 : Warning

Explanation

There is no automatic certificate migration entry in the registry which matches the input provided.

Response

None, if the entry was correctly specified. Otherwise, input the command again with correct parameters.

AMQ9745

amqtcert: insufficient memory to migrate certificates.

Severity

30 : Severe error

Explanation

An attempt to allocate memory failed while amqtcert was migrating certificate file <insert_3>.sto'. The migration did not complete successfully.

Response

Do not delete <insert_3>.sto', but delete all other files called <insert_4>.*' (these were created as a result of the failed migration). Also, if you want to rerun this migration automatically, use the -r flag on amqtcert to remove the automatic migration registry entry for this .sto file. Then use the -a flag on amqtcert to create a new automatic migration registry entry for this .sto file.

Make more memory available. Rerun the migration.

AMQ9746

File <insert_3> not found.

Severity

30 : Severe error

Explanation

The file specified as a command argument has not been found. The characters ".sto" have been automatically appended to the file name.

Response

Check that file exists and that it is specified as the absolute (rather than relative) directory path and file name (excluding the .sto suffix) of the Microsoft Certificate Store.

AMQ9747

Usage: amqtcert [-a] [-c [Filename | *]] [-e ExpirationTime] [-g FileName]

[-i ListNumber] [-l] [-m [QMgrName | *]] [-p Password]

[-r] [-u ClientLogonID] [-w FileName]

Severity

0 : Information

Response

None.

AMQ9748

A problem occurred accessing the Windows registry.

Severity

30 : Severe error

Explanation

An attempt to access a key or value or data field in the Windows registry key failed. The failure may be due to part of the registry being in an invalid state or may be due to insufficient authority to access that part. The WebSphere MQ error recording routine has been called.

Response

If *<insert_3>* includes the name of a Windows call, consult the Windows reference manual to determine the meaning of status *<insert_1>* for that call. Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Use either the IBM WebSphere MQ support web page at https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9749

Invalid combination of command arguments.

Severity

30 : Severe error

Explanation

The command syntax is incorrect because of an invalid combination of arguments.

Response

Re-try the command using a valid combination of arguments.

AMQ9750

File *<insert_3>* already exists.

Severity

30 : Severe error

Explanation

The file *<insert_3>* cannot be created because it already exists.

Response

Ensure that the file does not exist in the directory. If necessary, make a copy of the file before renaming or moving or deleting it.

AMQ9751

You are not authorized to perform the requested operation.

Severity

30 : Severe error

Explanation

You tried to issue a command for which you are not authorized.

Response

Contact your system administrator to perform the command for you or to request authority to perform the command.

AMQ9752

A certificate failed to be migrated because a Windows operation failed.

The certificate's details are:

[Microsoft Certificate Store], [Subject], [Issuer], [Serial Number]:

<insert_4> .

Severity

30 : Severe error

Explanation

A personal certificate could not be migrated because there was a failure during the Windows operation <insert_3> with a return code of <insert_1>. A personal certificate is exported, with its private key data, from the Microsoft Certificate Store prior to being imported into the GSKit key database. The failure occurred during the export and is probably due to a problem with accessing or using the private key data associated with the personal certificate.

Response

Check that the private key data is available and that you have authority to access it. Consult the Windows reference manual to determine the meaning of return code <insert_1> for operation <insert_3>.

AMQ9753

File <insert_3> is empty.

Severity

30 : Severe error

Explanation

The file <insert_3> cannot be used because it is empty.

Response

Ensure that the correct file has been used and if necessary investigate the reason for it being empty.

AMQ9754

A certificate failed to be migrated because a GSKit operation failed.

The certificate's details are:

[Microsoft Certificate Store], [Subject], [Issuer], [Serial Number]:

<insert_4> .

Severity

30 : Severe error

Explanation

During operation <insert_3>, the GSKit return code <insert_1> was generated.

Response

Use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then use either the https://www.ibm.com/support/home/product/P439881V74305Y86/IBM_MQ, or the IBM support assistant at https://www.ibm.com/support/home/product/C100515X13178X21/other_software/ibm_support_assistant, to see whether a solution is already available. If you are unable to find a match, contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9755

Certificate migration has completed with some failures. The number of certificates migrated was <insert_1>.

Severity

0 : Information

Explanation

The migration of certificates from the Microsoft Certificate Store <insert_3> to the GSKit key database <insert_4> has completed but there has been one or more failures. The number of certificates migrated was <insert_1> .

Response

If any certificates were migrated, use the GSKit iKeyman GUI to verify that the GSKit key database contains all the certificates required to support the intended SSL channel. The failures must be resolved otherwise the SSL channel may subsequently fail to start. Refer to previous messages in the error log to determine the cause of such failures.

AMQ9756

The number of certificates in the Microsoft Certificate Store <insert_3> is <insert_1>.

Severity

0 : Information

Explanation

Provides a count of the number of certificates in the Microsoft Certificate Store <insert_3>.

Response

None.

AMQ9757

Certificate <insert_1>

Severity

0 : Information

Explanation

None.

Response

None.

AMQ9758

Subject: <insert_3>

Severity

0 : Information

Explanation

None.

Response

None.

AMQ9759

Issuer: <insert_3>

Severity

0 : Information

Explanation

None.

Response

None.

AMQ9760

Valid From: <insert_3> to <insert_4>

Severity

0 : Information

Explanation

None.

Response

None.

AMQ9761

Certificate Usage: <All>

Severity

0 : Information

Explanation

None.

Response

None.

AMQ9762

Certificate Usage: <insert_3>

Severity

0 : Information

Explanation

None.

Response

None.

AMQ9763

Certificate Type: Personal

Severity

0 : Information

Explanation

None.

Response

None.

AMQ9764

Certificate Type: Signer

Severity

0 : Information

Explanation

None.

Response

None.

AMQ9765

Personal certificate not found for the command option "-i <insert_1>".

Severity

30 : Severe error

Explanation

The Transfer Certificates (amqtcert) command was executed using the "-i ListNumber" option with a value of <insert_1> . However, no personal certificate was found which corresponded to this value. Certificate migration has failed and no certificates were migrated.

Response

Check that the option value corresponds to a correctly identified personal certificate. If it is not correct then run the command using the "-l List" option to determine the correct number. A GSKit key database, and its associated key database files, was created when the command was run using the "-i ListNumber" option. The database and associated files must be deleted before re-trying the command with the "-i" option.

AMQ9766

A failure occurred creating the GSKit key database <insert_4> .

Severity

30 : Severe error

Explanation

GSKit was unable to create the key database and its associated files. During the GSKit operation *<insert_3>*, the return code *<insert_1>* was generated. This is probably due to insufficient authority or to insufficient disk space being available.

Response

Check that you have sufficient authority and that there is sufficient disk space available.

AMQ9767

Usage: strmqikm [iKeymanWorkingDirectory]

Severity

0 : Information

Response

None.

AMQ9768

Directory *<insert_3>* not found.

Severity

30 : Severe error

Explanation

The directory specified as a command argument has not been found.

Response

Check that the directory exists and that it is specified as an absolute (rather than relative) directory path.

AMQ9769

Usage: runmqckm

-keydb -changepw Change the password for a key database

-convert Convert the format of a key database

-create Create a key database

-delete Delete a key database

-stashpw Stash the password of a key database into a file

-list Currently supported types of key database.

-cert -add Add a CA Certificate

-create Create a self-signed certificate

-delete Delete a certificate

-details Show the details of a specific certificate

-export Export a personal certificate and associated private key into a PKCS12 file or a key database

-extract Extract a certificate from a key database

-getdefault Show the default personal certificate

-import Import a certificate from a key database or a PKCS12 file

-list List certificates in a key database

-modify Modify a certificate (NOTE: the only field that may be modified is the trust field)

-receive Receive a certificate

-setdefault Set the default personal certificate

-sign Sign a certificate

-certreq -create Create a certificate request

-delete Delete a certificate request from a certificate request database

- details Show the details of a specific certificate request
- extract Extract a certificate from a certificate request database
- list List all certificate requests in a certificate request database
- recreate re-create a certificate request
- version Display iKeycmd version information
- help Display this help text

Severity

0 : Information

Response

None.

AMQ9770

The SSL key repository password has expired.

Severity

30 : Severe error

Explanation

The SSL key repository cannot be used because the password has expired.

The channel is *<insert_3>*; in some cases its name cannot be determined and so is shown as '????'.
The channel did not start.

Response

Use your key management tool to reset the password of the SSL key repository, ensuring that a new password stash file is generated.

AMQ9771

SSL handshake failed.

Severity

30 : Severe error

Explanation

The SSL handshake with host *<insert_3>* failed. The SSL handshake was performed using the Java Secure Socket Extension (JSSE).

Response

The SSLSocketFactory used was *<insert_5>* , where 'default' indicates that the JVM's default SSLSocketFactory was used.

The exception thrown by the *<insert_4>* call was *<insert_1>*. Review the exception message for a description of the failure.

Also examine the error logs at the remote end of the channel. These may contain additional information on why the SSL handshake failed.

AMQ9774

Error accessing the channel authentication table

Severity

30 : Severe error

Explanation

The program could not access the channel authentication table.

Response

A value of *<insert_1>* was returned from the subsystem when an attempt was made to access the channel authentication table.

Contact the systems administrator, who should examine the log files to determine why the program was unable to access the authentication table.

AMQ9776

Channel was blocked by user ID

Severity

30 : Severe error

Explanation

The inbound channel <insert_3> was blocked from address <insert_4> because the active values of the channel were mapped to a userid which should be blocked. The active values of the channel were <insert_5> .

Response

Contact the systems administrator, who should examine the channel authentication records to ensure that the correct settings have been configured.

The command DISPLAY CHLAUTH can be used to query the channel authentication records.

AMQ9777

Channel was blocked

Severity

30 : Severe error

Explanation

The inbound channel <insert_3> was blocked from address <insert_4> because the active values of the channel matched a record configured with USERSRC(NOACCESS).

The active values of the channel were <insert_5> .

Response

Contact the systems administrator, who should examine the channel authentication records to ensure that the correct settings have been configured.

The command DISPLAY CHLAUTH can be used to query the channel authentication records.

AMQ9778

IP address is invalid.

Severity

30 : Severe error

Explanation

The IP address <insert_3> was found to be invalid.

Response

The processing of the command is terminated. Reissue the command with the IP address parameter specified correctly.

Refer to the commands section of the WebSphere MQ product documentation for more information on the specification of the IP address parameter.

AMQ9779

IP address range error.

Severity

30 : Severe error

Explanation

The IP address <insert_3> contains an invalid range. For example the first number is higher or equal to the second number in the range.

Response

The processing of the command is terminated. Reissue the command with the IP address parameter specified correctly.

Refer to the commands section of the WebSphere MQ product documentation for more information on the specification of the IP address parameter.

AMQ9781

IP address overlaps with previous definition.

Severity

30 : Severe error

Explanation

The IP address *<insert_3>* overlaps an existing IP address *<insert_4>*. For example the first number is higher than or equal to the second number in the range.

Response

The processing of the command is terminated. Reissue the command with an IP address parameter that does not overlap a previous definition or remove the existing record and then reissue the command.

Refer to the commands section of the WebSphere MQ product documentation for more information on the specification of the IP address parameter.

AMQ9782

Remote connection blocked.

Severity

30 : Severe error

Explanation

A connection from IP address *<insert_3>* was blocked because it matched the blocking address rule *<insert_4>*.

Response

Verify that the channel authentication blocking rules are correct. If necessary modify the rules to allow the inbound connection, using the SET CHLAUTH command.

Refer to the commands section of the WebSphere MQ product documentation for more information on the specification of the IP address parameter.

AMQ9783

Channel will run using MCAUSER(*<insert_3>*).

Severity

30 : Severe error

Explanation

No matching channel authentication (CHLAUTH) records were found which matched the given fields. Note that the returned MCAUSER value does not take into account any possible action by a channel security exit.

Response

None.

AMQ9784

Match runcheck found a generic value in *<insert_3>*.

Severity

30 : Severe error

Explanation

Match runcheck found a generic value in *<insert_3>*.

When using MATCH(RUNCHECK) all input fields must not contain generic values.

Response

Reissue the command with all fields containing fully specified values.

AMQ9785

Channel is configured to not use the dead-letter queue.

Severity

30 : Severe error

Explanation

A message cannot be transferred across channel *<insert_5>* from address *<insert_4>* and the channel is configured to not use the dead-letter queue. The reason code is *<insert_1>* and the destination queue is *<insert_3>*.

Response

Either correct the problem that caused the channel to try and write a message to the dead-letter queue or enable the channel to use the dead-letter queue.

AMQ9816

Invalid process name *<insert_3>* provided for TMF/Gateway.

Severity

20 : Error

Explanation

IBM WebSphere MQ client for HP Integrity NonStop Server is unable to enlist with the TMF/Gateway for queue manager *<insert_4>* due to an invalid process name provided in the MQTMF_GATEWAY_NAME environment variable.

Response

Ensure the TMF/Gateway is running and the MQTMF_GATEWAY_NAME environment variable is correctly set to the Guardian process name of the TMF/Gateway.

AMQ9817

No PATHMON process name provided to allow enlisting with TMF/Gateway.

Severity

20 : Error

Explanation

IBM WebSphere MQ client for HP Integrity NonStop Server has detected the presence of a TMF transaction and is attempting to enlist with the TMF/Gateway to allow correct participation of the queue manager in the transaction.

IBM WebSphere MQ client for HP Integrity NonStop Server has been unable to find a process name for the PATHMON process hosting the TMF/Gateway server class for queue manager *<insert_3>* in an mqclient.ini file.

Response

Ensure an mqclient.ini file is available for use by the IBM WebSphere MQ client for HP Integrity NonStop Server containing a TMF stanza providing the Guardian process name of a PATHMON that is hosting a TMF/Gateway server class for queue manager *<insert_3>*.

The mqclient.ini file also requires a TMFGateway stanza providing the server class name to be used for queue manager *<insert_3>*.

Refer to the IBM WebSphere MQ product documentation for further information on using an mqclient.ini file with the IBM WebSphere MQ client for HP Integrity NonStop Server.

AMQ9818

No server class provided to allow enlisting with TMF/Gateway for queue manager *<insert_3>*.

Severity

20 : Error

Explanation

IBM WebSphere MQ client for HP Integrity NonStop Server has detected the presence of a TMF transaction and is attempting to enlist with the TMF/Gateway to allow correct participation of the queue manager in the transaction.

IBM WebSphere MQ client for HP Integrity NonStop Server has been unable to find a server class name in an mqclient.ini file for queue manager *<insert_3>* hosted by PATHMON process *<insert_4>*.

Response

Ensure an mqclient.ini file is available for use by the IBM WebSphere MQ client for HP Integrity NonStop Server which contains a TMFGateway stanza providing the server class name to be used for queue manager <insert_3>.

Refer to the IBM WebSphere MQ product documentation for further information on using an mqclient.ini file with the IBM WebSphere MQ client for HP Integrity NonStop Server.

AMQ9819

Error encountered while enlisting with TMF/Gateway for queue manager <insert_5>.

Severity

20 : Error

Explanation

IBM WebSphere MQ client for HP Integrity NonStop Server has detected the presence of a TMF transaction and is attempting to enlist with the TMF/Gateway server class <insert_4> hosted by PATHMON process <insert_3> to allow correct participation of the queue manager in the transaction.

IBM WebSphere MQ client for HP Integrity NonStop Server has encountered an error while establishing contact with the TMF/Gateway. Pathsend error (<insert_1>), file system error (<insert_2>).

Response

These errors are typically the result of configuration problems with the PATHMON process <insert_3> or the server class <insert_4>. Refer to the HP NSS TS/MP Pathsend and Server Programming Manual for the appropriate corrective action based on the Pathsend error (<insert_1>) and file system error (<insert_2>).

AMQ9820

Participation in TMF transactions is not support by queue manager <insert_3>.

Severity

20 : Error

Explanation

IBM WebSphere MQ client for HP Integrity NonStop Server has detected the presence of a TMF transaction but IBM WebSphere MQ for z/OS queue manager <insert_3> does not support participation in TMF transactions.

Response

The version of z/OS queue manager that you are connecting to does not support the TMF Gateway, please upgrade to a supported release.

AMQ9821

Unable to locate PATHMON process <insert_3>.

Severity

20 : Error

Explanation

IBM WebSphere MQ client for HP Integrity NonStop Server is unable to locate PATHMON process <insert_3>.

Response

The configuration error may be one of the following:

1. The mqclient.ini TMF stanza contains an invalid process name.
2. The PATHMON process <insert_3> is not currently running.

AMQ9822

Unable to locate server class <insert_4>.

Severity

20 : Error

Explanation

IBM WebSphere MQ client for HP Integrity NonStop Server is unable to locate server class *<insert_4>* hosted by PATHMON process *<insert_3>*.

Response

The configuration error may be one of the following:

1. The mqclient.ini TMFGateway stanza contains an invalid server class name for queue manager *<insert_5>*.
2. The PATHMON process *<insert_3>* has not been configured with server class *<insert_4>*.
3. Server class *<insert_4>* has not been started or is currently frozen.

AMQ9823

Not authorized to use server class *<insert_4>* hosted by PATHMON process *<insert_3>*

Severity

20 : Error

Explanation

IBM WebSphere MQ client for HP Integrity NonStop Server is not authorized to use server class *<insert_4>* hosted by PATHMON process *<insert_3>*.

Response

Check with your systems administrator to ensure you have the correct access permissions. When confirmed you have the correct access permissions, retry the operation.

AMQ9824

TMF/Gateway server class *<insert_4>* has not been configured appropriately.

Severity

20 : Error

Explanation

The TMF/Gateway server class *<insert_4>* hosted by PATHMON process *<insert_3>* has not been configured appropriately.

Response

The configuration error may be one of the following:

1. The server class has not been configured with TMF enabled.
2. The server class has been configured with MAXLINKS set too low for the number of IBM WebSphere MQ client for HP Integrity NonStop Server applications needing to concurrently enlist with the TMF/Gateway.
3. The server class has been configured with TIMEOUT set too low for the time taken by the TMF/Gateway to process a request. Ideally TIMEOUT should not be set, but if it is then it needs to account for the time taken for the TMF/Gateway's associated remote queue manager to respond.

AMQ9871

Cluster maintenance has been running for *<insert_1>* minutes. Phase *<insert_3>* has so far processed *<insert_2>* records

Severity

0 : Information

Explanation

A queue manager will periodically perform a maintenance cycle to refresh and remove state associated with the clusters that it is a member of. This message gives an indication of the progress that is being made.

Response

For large clusters this maintenance process may take a significant period of time, in such situations this message will be periodically repeated until maintenance has completed. When the maintenance cycle has completed message AMQ9872 will be written to this log.

AMQ9872

Cluster maintenance has completed after *<insert_1>* minutes, *<insert_2>* records were processed

Severity

0 : Information

Explanation

A queue manager will periodically perform a maintenance cycle to refresh and remove state associated with the clusters that it is a member of. This message indicates that that cycle has now completed. This message corresponds with one or more instances of message AMQ9871 previously reported.

Response

This message is for informational purposes only, no user response is required.

AMQ9873

An error occurred while restoring the cluster repository cache, reason=*<insert_1>*

Severity

30 : Severe error

Explanation

An error was detected while restoring the cluster cache. The cluster cache held by this queue manager is now incomplete which may result in inconsistencies in cluster resources visible to and owned by this queue manager. See messages in the queue manager and system error logs for details of the error encountered.

Response

Contact your IBM support center to resolve the problem.

AMQ9874

Repository manager failed due of errors. Retry in *<insert_1>* minutes.

Severity

30 : Severe error

Explanation

Repository manager encountered a problem. See the earlier messages in the queue manager or system error logs for details. The repository manager will retry the command in *<insert_1>* minutes. If the problem is not rectified no further cluster management activity will occur, this will affect the availability of cluster resources accessed or hosted by this queue manager.

Response

If possible, rectify the identified problem, otherwise contact your IBM support center. Once the problem has been rectified, if the SYSTEM.CLUSTER.COMMAND.QUEUE queue has been set to GET(DISABLED) set the queue to be GET(ENABLED) and wait for the repository manager to retry the command. If the repository manager process has terminated, restart the queue manager.

AMQ9875

REFRESH CLUSTER processing started for cluster.

Severity

0 : Information

Explanation

REFRESH CLUSTER processing started for cluster *<insert_3>* . A REFRESH CLUSTER command has been issued on this queue manager. In phase one this discards all locally cached information for the cluster and requests new information from other members of the cluster when necessary. Phase two processes the information received. For large cluster configurations this process can take a significant time, especially on full repository queue managers, and during this time applications attempting to access cluster resources might see failures to resolve cluster resources. In addition, cluster configuration changes made on this queue manager might not be processed until the refresh process has completed.

Response

Defer any cluster related work on this queue manager until both phases are complete. Message AMQ9442 or message AMQ9404 are issued to this log at the end of phase one. Completion of phase

two can be determined when SYSTEM.CLUSTER.COMMAND.QUEUE has reached a consistently empty state.

AMQ9876

Cluster management is about to compress a large number of cache records.

Severity

0 : Information

Explanation

Periodically cluster management will compress its local cache. Compression can take a significant period of time for certain operations, such as performing a CLUSTER REFRESH. During the compression task, cluster management commands will not be processed. Once the compression task has completed message AMQ9877 will be written to this log.

Response

None.

AMQ9877

Cluster cache compression has completed.

Severity

0 : Information

Explanation

A large cache compression has completed. This message corresponds to message AMQ9876 being previously reported.

Response

None.

AMQ9880

Object *<insert_3>* in cluster *<insert_4>* inserted after blanking of description characters.

Severity

10 : Warning

Explanation

The repository manager received a command to insert object *<insert_3>* in cluster *<insert_4>* from the queue manager with QMID *<insert_5>*. The description characters could not be converted from their source CCSID *<insert_1>* to the local CCSID *<insert_2>*. The repository manager has inserted the record in the local cache with a blank description.

Response

You can choose to do nothing. The object is successfully inserted to the local cluster cache, and is usable.

You can choose to go to the queue manager that hosts this object, and change its description to something that includes only a limited set of characters that will convert successfully on the local queue manager.

AMQ9913

The specified local address *<insert_3>* cannot be resolved to an IP address. The return code is *<insert_1>*.

Severity

30 : Severe error

Explanation

An attempt to resolve the local address host name to an IP address has failed.

Response

Check that the local address host name is correct and has an entry in the DNS database.

AMQ9914

The type of local address specified is incompatible with the IP protocol (*<insert_3>*) used.

Severity

30 : Severe error

Explanation

An attempt to use a local address that is incompatible with the IP protocol used.

Response

Make sure that the local address specified is of the same type (IPv4 or IPv6) as the IP Protocol.

AMQ9915

The IP protocol <insert_3> is not present on the system.

Severity

30 : Severe error

Explanation

An attempt to use an IP protocol that is not present on the system has been made.

Response

Install the required IP protocol or use an IP protocol that is available on the system. This error can also occur if the system is short of memory or other system resources.

AMQ9920

A SOAP Exception has been thrown.

Severity

30 : Severe error

Explanation

A SOAP method encountered a problem and has thrown an exception. Details of the exception are:

<insert_3>

Response

Investigate why the SOAP method threw the exception.

AMQ9921

An error was encountered writing to the Dead Letter Queue.

Severity

30 : Severe error

Explanation

An error was encountered when an attempt was made to write a message to Dead Letter Queue <insert_3>. The message was <insert_4>.

Response

Ensure that Dead Letter Queue <insert_3> exists and is put enabled. Ensure that the Queue Manager attribute DEADQ is set up correctly. Resend the SOAP message.

AMQ9922

Maximum wait time exceeded on queue <insert_3> .

Severity

30 : Severe error

Explanation

The maximum time waiting for a message to arrive on queue <insert_3> has been exceeded.

Response

Ensure that the queue is not put inhibited. Ensure that messages are being written to the queue.

AMQ9923

Insufficient parameters on command.

Severity

30 : Severe error

Explanation

The SOAP command has been issued with insufficient paramaters.

Response

Supply the correct number of parameters and reissue the command.

AMQ9924

Usage: amqwSOAPNETListener -u WebSphere MQUri
[-w WebServiceDirectory] [-n MaxThreads]
[-d StayAlive] [-i IdContext]
[-x TransactionalControl] [-a Integrity] [-? ThisHelp]

Severity

0 : Information

Explanation

This shows the correct usage.

Response

None.

AMQ9925

Cannot connect to queue manager <insert_3> .

Severity

30 : Severe error

Explanation

A SOAP application or the SOAP listener cannot connect to the queue manager <insert_3> using <insert_4> bindings.

Response

Ensure the bindings are set to the correct value and that the queue manager exists. Check any error messages from the Java MQQueueManager class.

AMQ9926

Null SOAP action specified in a received SOAP message.

Severity

30 : Severe error

Explanation

A NULL soap action has been specified in the SOAP message <insert_3>. The message will not be processed.

Response

Include the appropriate SOAP action in the SOAP message.

AMQ9927

MQ queue backout threshold exceeded.

Severity

30 : Severe error

Explanation

The WebSphere MQ backout threshold value has been exceeded for queue <insert_3>, processing message <insert_4>.

Response

Correct the backout threshold value for queue <insert_3> and resend the SOAP message.

AMQ9928

Target service or URI is missing from a SOAP message.

Severity

30 : Severe error

Explanation

The target service or the target URI is missing from SOAP message <insert_3>.

Response

Supply a target service or the target URI in the SOAP message.

AMQ9929

Message backout for message (<insert_3>) failed.

Severity

30 : Severe error

Explanation

Backout for a message has failed.

Response

Investigate the reason for the backout failure.

AMQ9930

Required Option *<insert_3>* missing from command.

Severity

30 : Severe error

Explanation

The SOAP command was issued with mandatory option *<insert_3>* missing.

Response

Reissue the SOAP command supplying the missing option.

AMQ9931

Invalid value *<insert_3>* specified for option *<insert_4>*.

Severity

30 : Severe error

Explanation

The SOAP command was issued with an invalid value for an option.

Response

Reissue the SOAP command supplying the correct option value.

AMQ9932

Application host class not found

Severity

30 : Severe error

Explanation

Application host class *<insert_3>* has not been found.

Response

Specify the correct application host class in the SOAP message.

AMQ9933

Options *<insert_3>* and *<insert_4>* are mutually exclusive

Severity

30 : Severe error

Explanation

The SOAP command was issued with incompatible options *<insert_3>* and *<insert_4>*.

Response

Reissue the SOAP command supplying compatible options.

AMQ9934

Could not parse URL *<insert_3>*. MQCC_FAILED(2) MQRC_SOAP_URL_ERROR(2212).

Severity

30 : Severe error

Explanation

Could not parse URL *<insert_3>*. MQCC_FAILED(2) MQRC_SOAP_URL_ERROR(2212).

Response

Correct the URL and retry.

AMQ9935

Invalid URL *<insert_3>*. MQCC_FAILED(2) MQRC_SOAP_URL_ERROR(2212).

Severity

30 : Severe error

Explanation

The URL <insert_3> failed validation.. MQCC_FAILED(2) MQRC_SOAP_URL_ERROR(2212).

Response

Correct the URL and retry.

AMQ9936

Cannot get connection using <insert_3> bindings. MQCC_FAILED(2) MQRC_CONNECTION_ERROR(2273).

Severity

30 : Severe error

Explanation

Cannot get connection using <insert_3> bindings. MQCC_FAILED(2) MQRC_CONNECTION_ERROR(2273).

Response

Check that the queue manager is available and running.

AMQ9937

The asyncResult is null. MQCC_FAILED(2) MQRC_SOAP_DOTNET_ERROR.(2210).

Severity

30 : Severe error

Explanation

The asyncResult is null. MQCC_FAILED(2) MQRC_SOAP_DOTNET_ERROR.(2210).

Response

Check why the SOAP responses are not being received.

AMQ9938

SOAP/WebSphere MQ Timeout.

Severity

30 : Severe error

Explanation

The MQGET operation timed out. MQCC_FAILED(2) MQRC_SOAP_DOTNET_ERROR.(2210).

Response

Check why the SOAP responses are not being received. MQCC_FAILED(2) MQRC_SOAP_DOTNET_ERROR.(2210).

AMQ9939

SOAP/WebSphere MQ Error. MQCC_FAILED(2) MQRC_SOAP_DOTNET_ERROR.(2210).

Severity

30 : Severe error

Explanation

A SOAP error was detected. MQCC_FAILED(2) MQRC_SOAP_DOTNET_ERROR.(2210).

Response

Check the WebSphere MQ logs for the reason of the failure.

AMQ9940

Report message returned in MQWebResponse. MQCC_FAILED(2) MQRC_SOAP_DOTNET_ERROR.(2210).

Severity

30 : Severe error

Explanation

Report message returned in MQWebResponse. MQCC_FAILED(2) MQRC_SOAP_DOTNET_ERROR.(2210).

Response

Check the report message for the reason of the failure.

AMQ9941

No RFH2 header recognised. MQCC_FAILED(2) MQRCCF_MD_FORMAT_ERROR(3023).

Severity

30 : Severe error

Explanation

No RFH2 header recognised. MQCC_FAILED(2) MQRCCF_MD_FORMAT_ERROR(3023).

Response

Check why the message is being sent with no RFH2 header.

AMQ9942

Message format is not MQFMT_NONE. MQCC_FAILED(2) MQRC_RFH_FORMAT_ERROR(2421).

Severity

30 : Severe error

Explanation

Message format is not MQFMT_NONE. MQCC_FAILED(2) MQRC_RFH_FORMAT_ERROR(2421).

Response

Correct the message format and retry.

AMQ9943

Unrecognised RFH2 version. MQCC_FAILED(2) MQRC_RFH_FORMAT_ERROR(2421).

Severity

30 : Severe error

Explanation

Unrecognised RFH2 version. MQCC_FAILED(2) MQRC_RFH_FORMAT_ERROR(2421).

Response

Correct the version in the RFH2 message and retry.

AMQ9944

Invalid RFH2 length. MQCC_FAILED(2) MQRC_RFH_FORMAT_ERROR(2421).

Severity

30 : Severe error

Explanation

Invalid RFH2 length. MQCC_FAILED(2) MQRC_RFH_FORMAT_ERROR(2421).

Response

Correct the RFH2 length and retry.

AMQ9945

Invalid RFH2 <insert_3> folder length. MQCC_FAILED(2) MQRC_RFH_FORMAT_ERROR(2421).

Severity

30 : Severe error

Explanation

Invalid RFH2 <insert_3> folder length. MQCC_FAILED(2) MQRC_RFH_FORMAT_ERROR(2421).

Response

Correct the RFH2 message and retry.

AMQ9946

Invalid actual message length. MQCC_FAILED(2) MQRC_RFH_FORMAT_ERROR(2421).

Severity

30 : Severe error

Explanation

Invalid actual message length. MQCC_FAILED(2) MQRC_RFH_FORMAT_ERROR(2421).

Response

Correct the RFH2 message and retry.

AMQ9947

Invalid RFH2 Folder <insert_3> <insert_4>. MQCC_FAILED(2) MQRC_RFH_FORMAT_ERROR(2421).

Severity

30 : Severe error

Explanation

Invalid RFH2 Folder <insert_3> <insert_4>. MQCC_FAILED(2) MQRC_RFH_FORMAT_ERROR(2421).

Response

Correct the RFH2 folder syntax/format and retry.

AMQ9948

Backout Threshold exceeded. MQCC_FAILED(2) MQRC_BACKOUT_THRESHOLD_REACHED(2362).

Severity

30 : Severe error

Explanation

Backout Threshold exceeded. MQCC_FAILED(2) MQRC_BACKOUT_THRESHOLD_REACHED(2362).

Response

Correct the backout threshold limit and retry.

AMQ9949

<insert_3> missing from RFH2. MQCC_FAILED(2) MQRC_RFH_PARM_MISSING(2339).

Severity

30 : Severe error

Explanation

<insert_3> missing from RFH2. MQCC_FAILED(2) MQRC_RFH_PARM_MISSING(2339).

Response

Correct the RFH2 message and retry.

AMQ9950

Target service missing from SOAP URL. MQCC_FAILED(2) MQRC_SOAP_URL_ERROR(2212).

Severity

30 : Severe error

Explanation

Target service missing from SOAP URL. MQCC_FAILED(2) MQRC_SOAP_URL_ERROR(2212).

Response

Correct the URL and retry.

AMQ9951

Asynchronous request queued successfully. MQCC_OK(0).

Severity

30 : Severe error

Explanation

Asynchronous request queued successfully. MQCC_OK(0).

Response

Wait for response if any is expected.

AMQ9952

Unexpected message type received. MQCC_FAILED(2) MQRC_UNEXPECTED_MSG_TYPE.(2215).

Severity

30 : Severe error

Explanation

A message of the wrong type was received; for example, a report message was received when one had not been requested.

Response

If you are running WebSphere MQ SOAP using the IBM supplied SOAP/WebSphere MQ sender, please contact IBM. If you are running WebSphere MQ SOAP using a bespoke sender, please check that the SOAP/WebSphere MQ request message has the correct options.

AMQ9953

Either the ContentType or the TransportVersion in the RFH2 header have the wrong value.
MQCC_FAILED(2) MQRC_RFH_HEADER_FIELD_ERROR(2228)

Severity

30 : Severe error

Explanation

Either the ContentType or the TransportVersion in the RFH2 header have the wrong value.
MQCC_FAILED(2) MQRC_RFH_HEADER_FIELD_ERROR(2228)

Response

Correct the message format and retry.

AMQ9954

ViaTran.Redirect called out of transaction MQCC_FAILED(2) MQRC_SOAP_DOTNET_ERROR(2410)

Severity

30 : Severe error

Explanation

ViaTran.Redirect called out of transaction MQCC_FAILED(2) MQRC_SOAP_DOTNET_ERROR(2410)

Response

Make sure ViaTran.Redirect is only called in a transaction.

AMQ9955

Usage: amqswsdl [?] Uri inputFile outputFile

Severity

0 : Information

Explanation

This shows the correct usage.

Response

None.

AMQ9990 (IBM i)

Keyword <insert_3> not valid for this command or the command is incomplete.

Severity

40 : Stop Error

Explanation

The command is incomplete, or an invalid keyword was specified, or the parameter value of the keyword was not specified.

Response

Complete the command, or correct the keyword, or add the parameter value, and then try the command again.

AMQ9991 (IBM i)

The value specified is not allowed by the command.

Severity

40 : Stop Error

Explanation

<insert_3> not valid for parameter <insert_4>.

Response

Enter one of the values that is defined for the parameter, and try the command again. More information on parameters and commands can be found in the CL reference manual or the appropriate licensed program manual.

AMQ9992 (IBM i)

A matching parenthesis not found.

Severity

40 : Stop Error

Explanation

A matching left or right parenthesis is missing.

Response

Add the missing parenthesis or remove the extra parenthesis.

AMQ9999

Channel program ended abnormally.

Severity

30 : Severe error

Explanation

Channel program *<insert_3>* ended abnormally.

Response

Look at previous error messages for channel program *<insert_3>* in the error files to determine the cause of the failure. For more information, see [Problem determination in DQM](#).

AMQXR Messages

AMQCO1001E

MQXR service unexpectedly caught communications exception={0}(Exception).

Explanation

An exception was caught by the Communications Manager and it was not able to take a reasonable action in response to the exception.

User action

Investigate and resolve the cause of the underlying exception.

AMQCO1002E

A selection key={0} was found in an unexpected state.

Explanation

A selection key was found in a state that was not expected.

User action

Contact your IBM support center.

AMQCO1003E

Connection={0}(Connection) has insufficient data available to satisfy a get request.

Explanation

The application tried to read more data than is immediately available. After the application has processed the information available to it, it should release control and wait to be called again when more data is available.

User action

Change the application to handle this exception, or use `Connection.available()` before the `get()` method is called in order to determine if the `get()` will succeed.

AMQCO1004E

Connection Close error: {0}.

Explanation

An error occurred when a connection was closed. The session might not have completed normally.

User action

Check that the session completed normally.

AMQCO1005E

SSL key repository file invalid or not found for channel "{1}". The following exception was thrown: {0}

Explanation

The SSL key repository file specified for the channel is not valid.

User action

Check the validity of the specified SSL key repository file.

AMQCO1006I

Channel "{0}" has stopped.

Explanation

The channel has stopped. No further communication with clients will occur on this channel.

User action

No action is required.

AMQCO1007E

Connection "{0}" did not send or receive data for "{1}" milliseconds and has been closed.

Explanation

The application set the idle timer on the connection to {1} milliseconds, but did not send or receive any data within this time, so the connection was closed.

User action

Determine why the connection did not send or receive data and if appropriate set the idleTimer to a longer value.

AMQCO1008E

An SSL Handshake error occurred when a client at "{1}" attempted to connect to channel "{0}": {2}.

Explanation

An error occurred when performing an SSL handshake with a client application. This is often because the client is presenting certificates that the MQXR service does not trust.

User action

Use the information in the exception to diagnose and fix the problem.

AMQCO1009E

An invalid Key Store name="{1}" was specified.

Explanation

The key store name or the pass phrase specified is not valid.

User action

Specify a valid key store file name and password.

AMQCO1010E

An SSL Exception occurred when a client at "{1}" attempted to connect to channel "{0}": {2}.

Explanation

An error occurred when performing an SSL operation with a client application.

User action

Use the information in the exception to diagnose and fix the problem.

AMQCO2001E

An error (probe: {0}) occurred and a Failure Data Capture (FDC) file has been written.

Explanation

A problem was detected and a FDC file was written to aid diagnostics.

User action

Look at the FDC file and attempt to resolve the problem. If the problem cannot be resolved, contact your IBM support center.

AMQCO2002I

Trace is disabled.

Explanation

Tracing the MQXR Service (used in order to diagnose problems) is not currently running.

User action

No action is required.

AMQCO2003I

Trace is enabled.

Explanation

Tracing the MQXR Service (used in order to diagnose problems) is currently running.

User action

No action is required.

AMQCO2004I

"{0}" instances of message "{1}" were suppressed.

Explanation

The number {0} of message identifier "{1}" were suppressed from the log since the last message with this identifier was written.

User action

No additional action is required beyond that for the suppressed message.

AMQCO9999E

{0}

Explanation

If the message does not give sufficient information, check previous messages for further help.

User action

See previous messages for further information.

AMQHT1001E

Invalid text={0}(String) was found in an HTTP request or response.

Explanation

An HTTP request or response contained unexpected data not described in "https://www.w3.org/pub/WWW/Protocols/".

User action

Check that the originator or source of the HTTP request or response is producing valid requests or responses.

AMQHT1002E

HTTP header text={0}(String) was invalid.

Explanation

An HTTP request or response contained unexpected text.

User action

Check that the originator or source of the HTTP request or response is producing valid requests or responses.

AMQHT1003E

Invalid text at location={0} in string={1}(String).

Explanation

A Java Script Object Notation (JSON) string contained unexpected data not described in "http://www.json.org/".

User action

Check that the originator or JSON is producing valid data.

AMQHT2001E

WebSocket Close, status code= {0}

Explanation

The websocket was closed by the remote end.

User action

Examine the WebSocket status code and determine why the WebSocket was closed if this was not expected.

AMQHT9999E

{0}

Explanation

If the message does not give sufficient information, check previous messages for further help.

User action

See previous messages for further information.

AMQXR0001I

Client {0} disconnected normally.

Explanation

An MQTT disconnect flow was received and processed.

User action

None.

AMQXR0002E

On channel {2}, a throwable {1} resulted when the MQXR service received a message from an MQTT client {0}.

Explanation

Bad data was received from a network connection and could not be processed, the connection is closed by the server.

User action

Determine why the client sent the uninterpretable data.

AMQXR0003I

MQXR JAAS {0} : {1}.

Explanation

The JAAS callback in the MQXR service requested that the message is displayed to the user.

User action

Determine the cause of the security problem described in the text of the message issued by JAAS.

AMQXR0004E

MQSeries verb={0}(String) returned cc={1}(int) {2} rc={3}(int) {4}.

Explanation

A WebSphere MQ verb returned an unexpected reason and completion code.

User action

Look up the reason code to determine what caused the error.

AMQXR0005I

Running {0} version {1}.

Explanation

The command is running.

User action

None.

AMQXR0006E

Invalid argument {0} Usage: runMQXRService -m <queueManagerName> -d <Qmgr Data Directory> -g <MQ Global Data directory>

Explanation

The runMQXRService command arguments are incorrect.

User action

Correct the command.

AMQXR0007E

Invalid argument {0} Usage: endMQXRService -m <queueManagerName> -d <Qmgr Data Directory> -g <MQ Global Data directory>

Explanation

The endMQXRService command arguments are incorrect.

User action

Correct the command.

AMQXR0008E

Exception during start of MQXR service: {0}

Explanation

The MQXR service was starting but encountered a problem. Previous errors or FDCs will provide more detail.

User action

Use previous errors or FDCs to diagnose and address the problem then restart the MQXR service.

AMQXR0009E

Exception during shutdown of MQXR service: {0}

Explanation

The MQXR service was shutting down but encountered a problem. Previous errors or FDCs will provide more detail.

User action

Use previous errors or FDCs to diagnose and address the problem.

AMQXR0010E

An invalid ClientIdentifier {0} was received from "{1}" in an MQTT CONNECT packet on channel {2}.

Explanation

The MQXR service received a ClientIdentifier that is not valid because it contains too few, or too many characters, or the characters are not valid in a queue manager name.

User action

Change the ClientIdentifier to use valid characters.

AMQXR0011E

An error occurred during a publish on topic "{3}" from ClientIdentifier "{0}" UserName "{1}" on channel "{2}". A reason code of "{5}" "{6}" was received during an "{4}" operation.

Explanation

The publication from the client was not able to be completed

User action

Using the reason code, diagnose the cause of the problem, alter the configuration (of the client or the server as appropriate) and then retry the publish.

AMQXR0012E

An error occurred whilst subscribing on topic(s) "{3}" for ClientIdentifier "{0}" userNamer "{1}" on channel "{2}". A reason code of "{5}" "{6}" was received during an "{4}" operation.

Explanation

The subscription from the client was not able to be completed

User action

Using the reason code, diagnose the cause of the problem, alter the configuration (of the client or the server as appropriate) and then reconnect the client and retry the subscription.

AMQXR0013E

Error starting channel "{0}" (on host: "{1}" and port "{2}"). The exception was "{3}".

Explanation

The service was unable to listen for connections on the specified port

User action

Use the exception to diagnose and rectify the problem then restart the affected channel.

AMQXR0014E

Error starting channel "{0}". See earlier errors or FDCs for more details.

Explanation

The service was unable to listen for connections on the specified port because of problems that have been reported in earlier errors or FDCs.

User action

Use the preceding errors or FDCs to diagnose and rectify the problem then restart the affected channel.

AMQXR0015I

MQXR Service started successfully ({0} channels running, {1} channels stopped)

Explanation

The MQXR service has completed the processing that occurs on startup

User action

No action is required.

AMQXR0016I

Channel "{0}" has started

Explanation

This channel is now available for client connections

User action

No action is required

AMQXR0017I

A new channel (called "{0}") has been created

Explanation

In response to a request from a user, a new channel has been created

User action

No action is required

AMQXR0018I

Channel "{0}" has been altered

Explanation

In response to a request from a user, some settings on the channel were changed. Some settings do not take effect until the channel is restarted.

User action

No action is required

AMQXR0019I

Channel "{0}" has been deleted

Explanation

In response to a request from a user, a new channel has been deleted

User action

No action is required

AMQXR0020I

Channel "{0}" has been purged

Explanation

Clients have been disconnected from this channel and state associated with them has been removed

User action

No action is required

AMQXR0021W

Client "{0}" at network address "{1}" disconnected abnormally with exception "{2}".

Explanation

An MQTT client was disconnected from the network for the reason shown by the exception.

User action

Look into the exception cause to determine if action is required.

AMQXR0022I

Client "{0}" previously connected at network address "{1}" now connected at "{2}".

Explanation

A new connection has been made for the client taking over from an existing one.

User action

None, if this was intentional.

AMQXR0023I

Unsupported MQTT protocol version on channel {1}, the exception {0} was thrown.

Explanation

An MQTT client attempted to connect using an unsupported protocol version, the connection is closed by the server.

User action

Reconfigure the client to use a supported protocol version.

AMQXR0024I

A Telemetry Daemon for devices attempted to connect using its private protocol on channel {1}, the exception {0} was thrown.

Explanation

The Telemetry daemon for devices has a private protocol for communication. This protocol is not supported and the connection has been closed by the server.

User action

No user action is required, the daemon should reconnect with a supported protocol. To remove this message, reconfigure the Telemetry daemon for devices to not use the private protocol for this connection.

AMQXR0030W

Invalid Will Message from ClientIdentifier "{0}"

Explanation

The Will Message in the Connect packet is malformed, the client connection is closed by the server.

User action

Check the client application and make sure the will message has a non zero length topic name, and a valid Qos.

AMQXR1001E

MQTTV3Exception message={0}(String).

Explanation

An instance of com.ibm.mqttv3.internal.MQTTException has been caught and wrapped.

User action

Contact your IBM support center.

AMQXR1002E

MQTTV5Exception message={0}(String).

Explanation

An instance of com.ibm.mqtt.encoding.internal.MQTTException has been caught and wrapped.

User action

Contact your IBM support center.

AMQXR1003E

An invalid message type={0}(byte) was received.

Explanation

An invalid MQTT message type was received. The connection is disconnected.

User action

The client connected to the MQXR service is sending invalid MQTT messages. \ Find out what client has connected to the MQXR service and what data it has sent. Contact the provider of the client code. If you are using a client provided in the WebSphere MQ installation, \ contact your IBM support center.

AMQXR1004E

An invalid message version={0}(byte) subVersion={1}(byte) was received.

Explanation

An invalid MQTT message version was received. The connection is disconnected.

User action

The client connected to the MQXR service is sending invalid MQTT messages. Find out what client has connected to the MQXR service and what data it has sent. Contact the provider of the client code. If you are using a client provided in the WebSphere MQ installation, contact your IBM support center.

AMQXR1005E

An invalid message message={0}(Hex) was received.

Explanation

An invalid MQTT message was received. The connection is disconnected.

User action

The client connected to the MQXR service is sending invalid MQTT messages. Find out what client has connected to the MQXR service and what data it has sent. Contact the provider of the client code. If you are using a client provided in the WebSphere MQ installation, contact your IBM support center.

AMQXR1006E

An MQTT message with an invalid MultiByteLength={0}(long) was received.

Explanation

An invalid MQTT message containing an invalid multi-byte length was received. The connection is disconnected.

User action

The MQTT client application might have sent incorrect data, which is interpreted as an incorrect length. Check your MQTT client application, and verify that it is sending correct data. Contact the provider of the client code. If you are using a client provided in the WebSphere MQ installation, contact your IBM support center.

AMQXR1007E

An invalid Attribute type={0}(int) was found.

Explanation

An invalid MQTT attribute was found processing of this message is abandoned and the connection closed.

User action

Gather diagnostics and contact your IBM support center.

AMQXR1008E

An invalid mapped message was detected because of {0}(String).

Explanation

An invalid Mapped message was found, it cannot be processed.

User action

Determine where the message came from and correct the messages so that they are not mapped messages or are created with the correct format.

AMQXR1009E

An invalid WebSocket message was detected because of {0}(String).

Explanation

An invalid WebSocket message was found, it cannot be processed.

User action

Determine where the message came from and correct the messages so that they are correctly formed.

AMQXR1010E

An invalid message qos={0}(int) was received.

Explanation

An invalid MQTT qos was received.

User action

The client connected to the MQXR service is sending invalid MQTT messages. Find out what client has connected to the MQXR service and what data it has sent. Contact the provider of the client code. If you are using a client provided in the WebSphere MQ installation, contact your IBM support center.

AMQXR2001E

The command to end the MQXR service failed connecting to queue manager {0}. Exception: {1}

Explanation

The administrative layer could not connect to the queue manager.

User action

If the queue manager is no longer running, no action is required. If the queue manager is still running, check why the administrative layer is unable to connect.

AMQXR2002E

The command to end the MQXR service failed opening queue {0}. Exception: {1}

Explanation

The administrative layer could not open the queue that is required to send a request end the MQXR service.

User action

Determine why the queue could not be opened and retry stopping the service.

AMQXR2003E

The command to end the MQXR service failed: Failed Operation: {0} Exception ({1}): {2}

Explanation

The administrative layer failed to put or get a message that is required to stop the MQXR service.

User action

Correct the problem and then try stopping the service again.

AMQXR2004E

An error occurred while stopping the MQXR service. Completion Code: {0} Reason: {1}

Explanation

An error occurred while the MQXR service was shutting down.

User action

Use the reason code to diagnose the problem.

AMQXR2005E

An error occurred while releasing queue manager resources. Object: {0} Exception: {1}

Explanation

While cleaning up resources the EndMQXRService command encountered a transient problem.

User action

None.

AMQXR2010E

The MQXR service could not access the file: {0}. Exception: {1}

Explanation

The file is invalid, has an invalid format, or incorrect permissions.

User action

Check the file permissions and ensure the file is valid.

AMQXR2011I

Property {0} value {1}

Explanation

The runMQXRService command has read a property with the assigned value.

User action

None.

AMQXR2012E

Invalid property key={0} value={1}

Explanation

The runMQXRService command read an incorrect properties file.

User action

Look at the property in error, correct it, and reissue the command.

AMQXR2014E

Failed to rename {0} to {1}

Explanation

The file could not be renamed

User action

Look at the permissions on the target file and directory and alter them if necessary

AMQXR2013E

Duplicate authentication methods specified for channel={0}, previous={1} duplicate={2}

Explanation

The runMQXRService command read a properties file that specifies two authentication methods, only one is allowed.

User action

Look at the properties file and locate the definition of the named channel. Correct the file to specify a single authentication method and restart the channel.

AMQXR2014E

The following exception was thrown during the starting of an MQXR channel, channelName = "{0}" :
{1}

Explanation

An MQXR channel was starting up but encountered a problem. Previous errors or FDCs will provide more detail.

User action

Use earlier errors or FDCs to diagnose and address the problem then restart the MQXR channel.

AMQXR2015E

The following exception was thrown during the stopping of an MQXR channel, channelName = "{0}" :
{1}

Explanation

An MQXR channel was stopping but encountered a problem. Previous errors or FDCs will provide more detail.

User action

Use earlier errors or FDCs to diagnose and address the problem then restart the MQXR channel.

AMQXR2020E

Client {0} attempted to unsubscribe from the topic "{1}" which it is not subscribed to.

Explanation

An MQTT client attempted to unsubscribe from a topic it is not subscribed to.

User action

Check that the application logic is correct, and check for earlier errors that could have caused the application to get into an inconsistent state.

AMQXR2021E

Client {0} attempted to unsubscribe from the queue "{1}" which it is not subscribed to.

Explanation

An MQTT client attempted to unsubscribe from a queue it is not subscribed to.

User action

Check that the application logic is correct, and check for earlier errors that could have caused the application to get into an inconsistent state.

AMQXR2050E

Unable to load JAAS config: {0}. The following exception occurred {1}

Explanation

The JAAS configuration tried to authenticate a user on a connection that was unable to load

User action

Check that the JAAS config selected by the channel exists in the jaas.config file and is valid.

AMQXR2051E

Login failed for ClientIdentifier {0} with exception {1}.

Explanation

The JAAS login failed with the exception shown.

User action

Check that the username and password sent by the client are correct.

AMQXR2053E

Error in a trace factory. The following exception occurred {1}

Explanation

There was a problem starting or stopping trace.

User action

Use the exception to diagnose and rectify the problem and then restart trace.

AMQXR9999E

{0}

Explanation

If the message does not give sufficient information, check previous messages for further help.

User action

See previous messages for further information.

MQJMS Messages

List of messages with message numbers beginning with MQJMS.

<i>Table 3. MQJMS Messages.</i>		
List of message numbers, constants and explanatory text for messages beginning with MQJMS.		
Message identifier	Message constant	Description
MQJMS000	MQJMS_EXCEPTION_ILLEGAL_STATE	Method "{0}" has been invoked at an illegal or inappropriate time or if the provider is not in an appropriate state for the requested operation.
MQJMS002	MQJMS_EXCEPTION_INVALID_CLIENTID	WebSphere MQ classes for JMS attempted to set invalid connection's client id.
MQJMS003	MQJMS_EXCEPTION_INVALID_DESTINATION	Destination not understood or no longer valid.
MQJMS004	MQJMS_EXCEPTION_INVALID_SELECTOR	WebSphere MQ classes for JMS has given JMS Provider a message selector with invalid syntax.
MQJMS005	MQJMS_EXCEPTION_MESSAGE_EOF	Unexpected end of stream has been reached when a StreamMessage or BytesMessage is being read.

Table 3. MQJMS Messages.

List of message numbers, constants and explanatory text for messages beginning with MQJMS.

(continued)

Message identifier	Message constant	Description
MQJMS0006	MQJMS_EXCEPTION_MESSAGE_FORMAT	WebSphere MQ classes for JMS attempts to use a data type not supported by a message or attempts to read data in the wrong type.
MQJMS0007	MQJMS_EXCEPTION_MESSAGE_NOT_READABLE	WebSphere MQ classes for JMS attempts to read a write-only message.
MQJMS0008	MQJMS_EXCEPTION_MESSAGE_NOT_WRITABLE	WebSphere MQ classes for JMS attempts to write a read-only message.
MQJMS0009	MQJMS_EXCEPTION_RESOURCE_ALLOCATION	WebSphere MQ classes for JMS is unable to allocate the resources required for a method.
MQJMS0010	MQJMS_EXCEPTION_TRANSACTION_IN_PROGRESS	Operation invalid because a transaction is in progress.
MQJMS0011	MQJMS_EXCEPTION_TRANSACTION_ROLLED_BACK	Call to Session.commit resulted in a rollback of the current transaction.
MQJMS1000	MQJMS_EXCEPTION_MSG_CREATE_ERROR	Failed to create JMS message.
MQJMS1001	MQJMS_EXCEPTION_UNKNOWN_ACK_MODE	Unknown acknowledge mode "{0}".
MQJMS1004	MQJMS_EXCEPTION_CONNECTION_CLOSED	Connection closed.
MQJMS1005	MQJMS_EXCEPTION_BAD_STATE_TRANSITION	Unhandled state transition from "{0}" to "{1}".
MQJMS1006	MQJMS_EXCEPTION_BAD_VALUE	invalid value for "{0}": "{1}".
MQJMS1007	MQJMS_E_BAD_EXIT_CLASS	failed to create instance of exit class "{0}".
MQJMS1008	MQJMS_E_UNKNOWN_TRANSPORT	unknown value of transportType: "{0}".
MQJMS1009	MQJMS_E_NO_STR_CONSTRUCTOR	no constructor with string argument.
MQJMS1010	MQJMS_E_NOT_IMPLEMENTED	not implemented.
MQJMS1011	MQJMS_E_SECURITY_CREDS_INVALID	security credentials cannot be specified when using MQ bindings.
MQJMS1012	MQJMS_E_NO_MSG_LISTENER	no message listener.

Table 3. MQJMS Messages.

List of message numbers, constants and explanatory text for messages beginning with MQJMS.

(continued)

Message identifier	Message constant	Description
MQJMS1013	MQJMS_E_SESSION_ASYNC	operation invalid whilst session is using asynchronous delivery.
MQJMS1014	MQJMS_E_IDENT_PROD_INVALID_OP	operation invalid for identified producer.
MQJMS1015	MQJMS_E_UNKNOWN_TARGET_CLIENT	unknown value of target client: "{0}".
MQJMS1016	MQJMS_E_INTERNAL_ERROR	an internal error has occurred. Please contact your system administrator. Detail: "{0}".
MQJMS1017	MQJMS_E_NON_LOCAL_RXQ	non-local MQ queue not valid for receiving or browsing.
MQJMS1018	MQJMS_E_NULL_CONNECTION	no valid connection available.
MQJMS1019	MQJMS_E_SESSION_NOT_TRANSACTED	invalid operation for non-transacted session.
MQJMS1020	MQJMS_E_SESSION_IS_TRANSACTED	invalid operation for transacted session.
MQJMS1021	MQJMS_E_RECOVER_BO_FAILED	recover failed: unacknowledged messages might not get redelivered.
MQJMS1022	MQJMS_E_REDIRECT_FAILED	failed to redirect message.
MQJMS1023	MQJMS_E_ROLLBACK_FAILED	rollback failed.
MQJMS1024	MQJMS_E_SESSION_CLOSED	session closed.
MQJMS1025	MQJMS_E_BROWSE_MSG_FAILED	failed to browse message.
MQJMS1026	MQJMS_E_EXCP_LSTNR_FAILED	ExceptionListener threw exception: "{0}".
MQJMS1027	MQJMS_E_BAD_DEST_STR	failed to reconstitute destination from "{0}".
MQJMS1028	MQJMS_EXCEPTION_NULL_ELEMENT_NAME	element name is null.
MQJMS1029	MQJMS_EXCEPTION_NULL_PROPERTY_NAME	property name is null.
MQJMS1030	MQJMS_EXCEPTION_BUFFER_TOO_SMALL	buffer supplied by application is too small.

Table 3. MQJMS Messages.

List of message numbers, constants and explanatory text for messages beginning with MQJMS.

(continued)

Message identifier	Message constant	Description
MQJMS1031	MQJMS_EXCEPTION_UNEXPECTED_ERROR	an internal error has occurred. Please contact your system administrator.
MQJMS1032	MQJMS_E_CLOSE_FAILED	close() failed because of "{0}".
MQJMS1033	MQJMS_E_START_FAILED	start() failed because of "{0}".
MQJMS1034	MQJMS_E_MSG_LSTNR_FAILED	MessageListener threw: "{0}".
MQJMS1042	MQJMS_E_DELIVERY_MODE_INVALID	invalid Delivery Mode.
MQJMS1044	MQJMS_E_INVALID_HEX_STRING	String is not a valid hexadecimal number - "{0}".
MQJMS1045	MQJMS_E_S390_DOUBLE_TOO_BIG	Number outside of range for double precision S/390 Float "{0}".
MQJMS1046	MQJMS_E_BAD_CCSID	The character set "{0}" is not supported.
MQJMS1047	MQJMS_E_INVALID_MAP_MESSAGE	The map message has an incorrect format.
MQJMS1048	MQJMS_E_INVALID_STREAM_MESSAGE	The stream message has an incorrect format.
MQJMS1049	MQJMS_E_BYTE_TO_STRING	The WebSphere MQ classes for JMS attempted to convert a byte array to a String.
MQJMS1050	MQJMS_E_BAD_RFH2	The MQRFH2 header has an incorrect format.
MQJMS1051	MQJMS_MSG_CLASS	JMS Message class.
MQJMS1052	MQJMS_E_BAD_MSG_CLASS	Unrecognizable JMS Message class.
MQJMS1053	MQJMS_E_INVALID_SURROGATE	Invalid UTF-16 surrogate detected "{0}".
MQJMS1054	MQJMS_E_INVALID_ESCAPE	Invalid XML escape sequence detected "{0}".
MQJMS1055	MQJMS_E_BAD_TYPE	The property or element in the message has incompatible datatype "{0}".
MQJMS1056	MQJMS_E_UNSUPPORTED_TYPE	Unsupported property or element datatype "{0}".

Table 3. MQJMS Messages.

List of message numbers, constants and explanatory text for messages beginning with MQJMS.

(continued)

Message identifier	Message constant	Description
MQJMS1057	MQJMS_E_NO_SESSION	Message has no session associated with it.
MQJMS1058	MQJMS_E_BAD_PROPERTY_NAME	Invalid message property name: "{0}".
MQJMS1059	MQJMS_E_NO_UTF8	Fatal error - UTF8 not supported.
MQJMS1060	MQJMS_E_SERIALISE_FAILED	Unable to serialize object.
MQJMS1061	MQJMS_E_DESERIALISE_FAILED	Unable to deserialize object.
MQJMS1062	MQJMS_EXCEPTION_HAPPENED	Exception occurred reading message body: "{0}".
MQJMS1063	MQJMS_CHARS_OMITTED	Another "{0}" character(s) omitted.
MQJMS1064	MQJMS_ENCODINGS	Integer encoding: "{0}"=Floating point encoding "{1}".
MQJMS1065	MQJMS_E_COULD_NOT_WRITE	Exception occurred writing message body.
MQJMS1066	MQJMS_E_BAD_ELEMENT_NAME	Invalid message element name: "{0}".
MQJMS1067	MQJMS_E_BAD_TIMEOUT	timeout invalid for MQ.
MQJMS1068	MQJMS_E_NO_XARESOURCE	failed to obtain XAResource.
MQJMS1069	MQJMS_E_NOT_ALLOWED_WITH_XA	Not allowed with XASession.
MQJMS1072	MQJMS_E_QMGR_NAME_INQUIRE_FAILED	Could not inquire upon Queue Manager name.
MQJMS1073	MQJMS_E_QUEUE_NOT_LOCAL_OR_ALIAS	Specified MQ Queue is neither a QLOCAL nor a QALIAS.
MQJMS1074	MQJMS_E_NULL_MESSAGE	Unable to process null message.
MQJMS1075	MQJMS_E_DLH_WRITE_FAILED	Error writing dead letter header.
MQJMS1076	MQJMS_E_DLH_READ_FAILED	Error reading dead letter header.

Table 3. MQJMS Messages.

List of message numbers, constants and explanatory text for messages beginning with MQJMS.

(continued)

Message identifier	Message constant	Description
MQJMS1077	MQJMS_E_CONN_DEST_MISMATCH	Connection/destination mismatch.
MQJMS1078	MQJMS_E_INVALID_SESSION	Invalid Session object.
MQJMS1079	MQJMS_E_DLQ_FAILED	Unable to write message to dead letter queue.
MQJMS1080	MQJMS_E_NO_BORQ	No Backout-Requeue queue defined.
MQJMS1081	MQJMS_E_REQUEUE_FAILED	Message requeue failed.
MQJMS1082	MQJMS_E_DISCARD_FAILED	Failure while discarding message.
MQJMS1085	MQJMS_E_RFH_WRITE_FAILED	Error writing RFH.
MQJMS1086	MQJMS_E_RFH_READ_FAILED	Error reading RFH.
MQJMS1087	MQJMS_E_RFH_CONTENTS_ERROR	Unrecognizable or invalid RFH content.
MQJMS1088	MQJMS_E_CC_MIXED_DOMAIN	Mixed-domain consumers acting on the same input is forbidden.
MQJMS1089	MQJMS_E_READING_MSG	Exception occurred reading message body: "{0}".
MQJMS1091	MQJMS_E_UNIDENT_PROD_INVALID_OP	operation invalid for unidentified producer.
MQJMS1093	MQJMS_E_NULL_PARAMETER	A null parameter was passed to the constructor: "{0}".
MQJMS1094	MQJMS_E_INVALID_QUANTITY_HINT	Invalid quantityHint.
MQJMS1096	MQJMS_E_INVALID_MESSAGE_REFERENCE	Invalid MessageReference.
MQJMS1098	MQJMS_E_INVALID_MSG_REF_VERSION	Invalid MessageReference version.
MQJMS1099	MQJMS_E_INVALID_THREAD_VERSION	Invalid MQQueueAgentThread version.
MQJMS1102	MQJMS_E_MULTICAST_NOT_AVAILABLE	Multicast connection cannot be established.

Table 3. MQJMS Messages.

List of message numbers, constants and explanatory text for messages beginning with MQJMS.

(continued)

Message identifier	Message constant	Description
MQJMS1103	MQJMS_E_MULTICAST_LOST_MESSAGES	Lost "{0}" messages in reliable multicast mode.
MQJMS1104	MQJMS_E_MULTICAST_HEARTBEAT_TIMEOUT	Multicast connection disconnected due to timeout.
MQJMS1105	MQJMS_E_MULTICAST_PORT_INVALID	Cannot connect with a specific local port for disthub multicast.
MQJMS1106	MQJMS_DIR_PGM_LIB_NOT_FOUND	Unable to load the native library required for PGM/IP.
MQJMS1110	MQJMS_E_11_NOTSUPPORTED	JMS1.1 Operation not supported by this type.
MQJMS1111	MQJMS_E_11_SERVICES_NOT_SETUP	JMS1.1 The required Queues/Publish Subscribe services are not set up.
MQJMS1112	MQJMS_E_11_INVALID_DOMAIN_SPECIFIC	JMS1.1 Invalid operation for domain specific object.
MQJMS1113	MQJMS_E_11_INVALID_CROSS_DOMAIN	JMS1.1 Invalid operation for cross domain object.
MQJMS2000	MQJMS_EXCEPTION_MQ_Q_CLOSE_FAILED	failed to close MQ queue.
MQJMS2001	MQJMS_EXCEPTION_MQ_NULL_Q	MQ Queue reference is null.
MQJMS2002	MQJMS_EXCEPTION_GET_MSG_FAILED	failed to get message from MQ queue.
MQJMS2003	MQJMS_EXCEPTION_QMDISC_FAILED	failed to disconnect queue manager.
MQJMS2004	MQJMS_EXCEPTION_MQ_NULL_QMGR	MQQueueManager reference is null.
MQJMS2005	MQJMS_EXCEPTION_QMGR_FAILED	failed to create MQQueueManager for "{0}".
MQJMS2006	MQJMS_EXCEPTION_SOME_PROBLEM	MQ problem: "{0}".
MQJMS2007	MQJMS_EXCEPTION_PUT_MSG_FAILED	failed to send message to MQ queue.
MQJMS2008	MQJMS_EXCEPTION_MQ_Q_OPEN_FAILED	failed to open MQ queue "{0}".

Table 3. MQJMS Messages.

List of message numbers, constants and explanatory text for messages beginning with MQJMS.

(continued)

Message identifier	Message constant	Description
MQJMS2009	MQJMS_EXCEPTION_MQ_QM_COMMIT_FAILED	MQQueueManager.commit() failed.
MQJMS2010	MQJMS_EXCEPTION_MQ_UNKNOWN_DEFTYPE	unknown value for MQ queue definitionType: "{0}".
MQJMS2011	MQJMS_EXCEPTION_MQ_Q_INQUIRE_FAILED	failed to inquire MQ queue depth.
MQJMS2012	MQJMS_EXCEPTION_XACLOSE_FAILED	XACLOSE failed.
MQJMS2013	MQJMS_EXCEPTION_AUTHENTICATION_FAILED	invalid security authentication supplied for MQQueueManager.
MQJMS2014	MQJMS_EXCEPTION_XACLIENT_FAILED	Queue manager rejected XA client connection.
MQJMS3000	MQJMS_E_TMPQ_FAILED	failed to create a temporary queue from "{0}".
MQJMS3001	MQJMS_E_TMPQ_CLOSED	temporary queue already closed or deleted.
MQJMS3002	MQJMS_E_TMPQ_INUSE	temporary queue in use.
MQJMS3003	MQJMS_E_TMPQ_DEL_STATIC	cannot delete a static queue.
MQJMS3004	MQJMS_E_TMPQ_DEL_FAILED	failed to delete temporary queue.
MQJMS3005	MQJMS_PS_GENERAL_ERROR	Publish/Subscribe failed due to "{0}".
MQJMS3006	MQJMS_PS_TOPIC_NULL	Topic reference is null.
MQJMS3008	MQJMS_PS_COMMAND_MSG_BUILD	Failed to build command "{0}".
MQJMS3009	MQJMS_PS_COMMAND_MSG_FAILED	Failed to publish command to MQ queue.
MQJMS3010	MQJMS_PS_PUBLISH_MSG_BUILD	Failed to build publish message.
MQJMS3011	MQJMS_PS_PUBLISH_MSG_FAILED	Failed to publish message to MQ queue.
MQJMS3013	MQJMS_PS_STORE_ADMIN_ENTRY	Failed to store admin entry.

Table 3. MQJMS Messages.

List of message numbers, constants and explanatory text for messages beginning with MQJMS.

(continued)

Message identifier	Message constant	Description
MQJMS3014	MQJMS_PS_SUB_Q_OPEN_FAILED	Failed to open subscriber queue "{0}".
MQJMS3017	MQJMS_PS_SUB_Q_DELETE_FAILED	Failed to delete subscriber queue "{0}".
MQJMS3018	MQJMS_PS_UNKNOWN_DS	Unknown durable subscription "{0}".
MQJMS3019	MQJMS_E_TMPT_DELETED	TemporaryTopic already deleted.
MQJMS3020	MQJMS_E_TMPT_OUTOFSCOPE	TemporaryTopic out of scope.
MQJMS3021	MQJMS_PS_INVALID_SUBQ_PREFIX	Invalid subscriber queue prefix: "{0}".
MQJMS3022	MQJMS_PS_SUBQ_REQUEUE	Durable re-subscribe must use same subscriber queue; specified:"{0}" original:"{1}".
MQJMS3023	MQJMS_PS_SUB_ACTIVE	Subscription has an active TopicSubscriber.
MQJMS3024	MQJMS_PS_NULL_CLIENTID	Illegal use of uninitialized client ID.
MQJMS3025	MQJMS_E_TMPT_IN_USE	TemporaryTopic in use.
MQJMS3026	MQJMS_ERR_QSENDER_CLOSED	QueueSender is closed.
MQJMS3028	MQJMS_PUBLISHER_CLOSED	TopicPublisher is closed.
MQJMS3031	MQJMS_CLIENTID_FIXED	Can't set clientID after connection has been used.
MQJMS3032	MQJMS_CLIENTID_NO_RESET	Resetting the clientID is not allowed.
MQJMS3033	MQJMS_QRECEIVER_CLOSED	QueueReceiver is closed.
MQJMS3034	MQJMS_SUBSCRIBER_CLOSED	TopicSubscriber is closed.
MQJMS3037	MQJMS_MESSAGEPRODUCER_CLOSED	Message Producer is closed.
MQJMS3038	MQJMS_MESSAGECONSUMER_CLOSED	Message Consumer is closed.

Table 3. MQJMS Messages.

List of message numbers, constants and explanatory text for messages beginning with MQJMS.

(continued)

Message identifier	Message constant	Description
MQJMS3039	MQJMS_PS_NULL_NAME	Illegal use of null name.
MQJMS3040	MQJMS_E_BROKER_MESSAGE_CONTENT	Invalid broker control message content: "{0}".
MQJMS3041	MQJMS_E_ALREADY_SET	Field "{0}" already set.
MQJMS3042	MQJMS_E_UNREC_BROKER_MESSAGE	Unrecognizable message from Pub/Sub Broker.
MQJMS3043	MQJMS_E_CLEANUP_REP_BAD_LEVEL	Invalid Level for repeating Cleanup.
MQJMS3044	MQJMS_E_CLEANUP_NONE_REQUESTED	Cleanup level of NONE requested.
MQJMS3045	MQJMS_E_CLEANUP_Q_OPEN_1	Failed to open "{0}": maybe a FORCE or NONDUR level cleanup is running?
MQJMS3046	MQJMS_E_CLEANUP_Q_OPEN_2	Failed to open "{0}": maybe another JMS application is using Pub/Sub with this queue manager?
MQJMS3047	MQJMS_PS_SUBSTORE_NOT_SUPPORTED	Subscription Store type not supported by queue manager.
MQJMS3048	MQJMS_PS_INCORRECT_SUBSTORE	Incorrect Subscription Store type.
MQJMS3049	MQJMS_PS_WRONG_SUBSCRIPTION_TYPE	MQJMS_Messages.MQJMS_PS_WRONG_SUBSCRIPTION_TYPE = Incorrect Subscription type for this Subscription Store.
MQJMS3050	MQJMS_PS_SUBSCRIPTION_IN_USE	Subscription is already in use and cannot be updated.
MQJMS3051	MQJMS_PS_INVALID_SUB_NAME	Invalid Subscription name.
MQJMS4124	MQJMS_ADMIN_PROPVAL_NULL	Property value for "{0}" is null.
MQJMS4125	MQJMS_ADMIN_INV_PROP	Invalid property for a "{0}": "{1}".
MQJMS4131	MQJMS_ADMIN_OBJTYPE_MISMATCH	Expected and actual object types do not match.

Table 3. MQJMS Messages.

List of message numbers, constants and explanatory text for messages beginning with MQJMS.

(continued)

Message identifier	Message constant	Description
MQJMS5053	MQJMS_UTIL_PS_NO_BROKER	*** No broker response. Please ensure that the broker is running. If you are using the WebSphere MQ broker check that your brokerVersion is set to V1 ***
MQJMS5087	MQJMS_UTIL_PS_INTERNALQ	Unexpected error "{1}" accessing internal queue "{0}".
MQJMS6040	MQJMS_DIR_IMB_BADSOCKNAME	Invalid socket family name: "{0}".
MQJMS6041	MQJMS_DIR_IMB_NOCLASS	An exception occurred while attempting to load socket factory class "{0}", exception: <"{1}">.
MQJMS6056	MQJMS_DIR_MIN_NOMORE	Cannot change parameter "{0}" since no more BaseConfig parameter changes are allowed.
MQJMS6057	MQJMS_DIR_MIN_BADSET	Cannot set parameter "{0}" to value "{1}".
MQJMS6058	MQJMS_DIR_MIN_BADGET	error occurred while getting BaseConfig parameter "{0}".
MQJMS6059	MQJMS_DIR_MIN_SECLDERR	An exception occurred while loading the minimal client security implementation.
MQJMS6060	MQJMS_DIR_MIN_UNXEXC	An unexpected exception in minimal client, "{0}".
MQJMS6061	MQJMS_DIR_MIN_BADTOP	A specified topic was malformed, "{0}".
MQJMS6062	MQJMS_DIR_MIN_EOF	EOF was encountered while receiving data in the minimal client.
MQJMS6063	MQJMS_DIR_MIN_BRKERR	The broker indicated an error on the minimal client connection.
MQJMS6064	MQJMS_DIR_MIN_BADMSG	Connector.send was called with an illegal message value.
MQJMS6065	MQJMS_DIR_MIN_BADFIELD	An illegal value was encountered for a field, "{0}".
MQJMS6066	MQJMS_DIR_MIN_INTERR	An unexpected internal error occurred in the minimal client.
MQJMS6067	MQJMS_DIR_MIN_NOTBYTES	A bytes message operation was requested on something that is not a bytes message.

Table 3. MQJMS Messages.

List of message numbers, constants and explanatory text for messages beginning with MQJMS.

(continued)

Message identifier	Message constant	Description
MQJMS6068	MQJMS_DIR_MIN_NOTTEXT	A text message operation was requested on something that is not a text message.
MQJMS6069	MQJMS_DIR_MIN_NOTSTREAM	A stream message operation was requested on something that is not a stream message.
MQJMS6070	MQJMS_DIR_MIN_NOTMAP	A map message operation was requested on something that is not a map message.
MQJMS6071	MQJMS_DIR_MIN_BADBRKMSG	The broker sent an invalid message during authentication.
MQJMS6072	MQJMS_DIR_MIN_UNVPRO	The broker requested an unavailable protocol during authentication.
MQJMS6073	MQJMS_DIR_MIN_AUTHREJ	Minimal client connection rejected because of authentication failure.
MQJMS6074	MQJMS_DIR_MIN_NOQOP	No QOP available in the minimal client.
MQJMS6079	MQJMS_DIR_JMS_NOTHDPPOOL	An exception occurred while attempting to load thread pooling support, "{0}".
MQJMS6081	MQJMS_DIR_JMS_FMTINT	An attempt was made to read from a Stream message before a previous read has completed.
MQJMS6083	MQJMS_DIR_JMS_THDEXC	An exception occurred while initializing a thread pool instance, "{0}".
MQJMS6085	MQJMS_DIR_JMS_NEXCLIS	No ExceptionListener has been set.
MQJMS6088	MQJMS_DIR_JMS_KILLMON	The client-side connection monitor is terminating.
MQJMS6090	MQJMS_DIR_JMS_LSTACT	Attempted to synchronously receive on a MessageConsumer for which a listener is active.
MQJMS6091	MQJMS_DIR_JMS_TCSTSTP	An IOException occurred when starting or stopping delivery on the connection, "{0}".
MQJMS6093	MQJMS_DIR_JMS_RUNKEXC	An exception occurred during synchronous receive, "{0}".
MQJMS6096	MQJMS_DIR_JMS_INVPRI	A JMSPriority level of "{0}" is outside the range specified in JMS.

Table 3. MQJMS Messages.

List of message numbers, constants and explanatory text for messages beginning with MQJMS.

(continued)

Message identifier	Message constant	Description
MQJMS6097	MQJMS_DIR_JMS_BADID	The specified JMSMessageID, "{0}", is invalid.
MQJMS6105	MQJMS_DIR_JMS_NOMORE	No more client parameter changes allowed.
MQJMS6106	MQJMS_DIR_JMS_BADNUM	An exception occurred when initializing parameter "{0}", exception "{1}".
MQJMS6115	MQJMS_DIR_JMS_TCFLEERR	An exception occurred while creating the TopicConnection, "{0}".
MQJMS6116	MQJMS_DIR_JMS_CLOSED	This operation is not permitted on an entity that is closed.
MQJMS6117	MQJMS_DIR_JMS_BDTOPIEMPL	The "{0}" implementation of Topic is not supported.
MQJMS6118	MQJMS_DIR_JMS_PBNOWLD	Topic "{0}" contains a wildcard which is invalid for publishing.
MQJMS6119	MQJMS_DIR_JMS_PBIOERR	An IOException occurred while publishing, "{0}".
MQJMS6120	MQJMS_DIR_JMS_TMPVIO	Attempted to use a temporary topic not created on the current connection.
MQJMS6121	MQJMS_DIR_JMS_TSIOERR	An IOException occurred while subscribing, "{0}".
MQJMS6232	MQJMS_DIR_JMS_TSBADMTC	While creating a TopicSubscriber, attempting to add the subscription to the matching engine resulted in the following exception: "{0}".
MQJMS6233	MQJMS_DIR_MTCH_UNKEXC	An unexpected exception was caught in the matching engine: "{0}".
MQJMS6234	MQJMS_DIR_MTCH_NULRM	An attempt was made to remove an object with topic "{0}" from an empty matching engine: "{1}".
MQJMS6235	MQJMS_DIR_MTCH_NULCH	An attempt was made to remove an object with topic "{0}" from the matching engine, but it did not have a cache entry: "{1}".
MQJMS6236	MQJMS_DIR_MTCH_BDTYP	An unknown check type of class "{0}" was encountered in a type-specific matcher.

Table 3. MQJMS Messages.

List of message numbers, constants and explanatory text for messages beginning with MQJMS.

(continued)

Message identifier	Message constant	Description
MQJMS6 237	MQJMS_DIR_MTCH_UNKNM	An attempt was made to access an unknown field named "{0}".
MQJMS6 238	MQJMS_DIR_MTCH_BDMSG	In attempting to access a field of a message=the following exception occurred: "{0}".
MQJMS6 239	MQJMS_DIR_MTCH_ECPREP	An EvalCache get or put operation occurred when the cache was not loaded.
MQJMS6 240	MQJMS_DIR_MTCH_ECNMIN	An EvalCache get or put operation specified an invalid id.
MQJMS6 241	MQJMS_DIR_MTCH_TOMNY	Too many content attributes were specified.
MQJMS6 242	MQJMS_DIR_MTCH_DUPDET	A duplicate MatchTarget was detected in MatchSpace.
MQJMS6 243	MQJMS_DIR_MTCH_NOTPK	An attempt was made to remove MatchTarget "{0}" from MatchSpace, but it has no key (topic).
MQJMS6 244	MQJMS_DIR_MTCH_NOSUB	The MatchTarget "{1}" with key (topic) "{0}" could not be removed from MatchSpace because it could not be found.
MQJMS6 245	MQJMS_DIR_MTCH_NLTOP	An attempt was made to add a MatchTarget to MatchSpace without a key (topic).
MQJMS6 246	MQJMS_DIR_MTCH_BDWLD	An incorrect use of a the topic wildcard character "{0}" was detected.
MQJMS6 247	MQJMS_DIR_MTCH_BDSEP	The topic segment separator "{0}" appears in an incorrect position.
MQJMS6 248	MQJMS_DIR_MTCH_CNTLD	An error occurred while trying to load or invoke the subscription selector parser.
MQJMS6 249	MQJMS_DIR_MTCH_PSTPER	The following exception occurred while parsing a subscription selector: "{0}".
MQJMS6 250	MQJMS_DIR_MTCH_BDESC	The escape character was used to terminate the following pattern: "{0}".
MQJMS6 251	MQJMS_DIR_MTCH_BDESCL	The escape character "{0}" passed to the pattern tool is longer than one character.

Table 3. MQJMS Messages.

List of message numbers, constants and explanatory text for messages beginning with MQJMS.

(continued)

Message identifier	Message constant	Description
MQJMS6252	MQJMS_DIR_MTCH_UNXTYP	A message field was expected to contain a value of type "{0}" but contained one of type "{1}".
MQJMS6228	MQJMS_DIR_MIN_AUTHEXC	Minimal client authentication failed because exception "{0}".
MQJMS6229	MQJMS_DIR_MIN_QOPDIS	QOP required but disabled for this minimal client.
MQJMS6312	MQJMS_DIR_MIN_NOSUB	Non-authorized subscription to topic "{0}".
MQJMS6311	MQJMS_DIR_MIN_NOXASUP	Transport type 'DIRECT' within a transaction is not supported.
MQJMS6350	MQJMS_DIR_MIN_NOTOBJECT	An object message operation was requested on something that is not an object message.
MQJMS6351	MQJMS_DIR_MIN_TSBADSYN	An exception occurred when creating subscription to <"{0}","{1}">, "{2}".
MQJMS6401	MQJMS_DIR_MIN_PER_NOT_SUPPORTED	Persistent messages not supported for transport type 'DIRECT'.
MQJMS6402	MQJMS_DIR_MIN_TTL_NOT_SUPPORTED	Time to Live > 0 not supported for transport type 'DIRECT'.
MQJMS6403	MQJMS_DIR_MIN_EXP_NOT_SUPPORTED	Topic Expiry > 0 not supported for transport type 'DIRECT'.
MQJMS6404	MQJMS_DIR_MIN_ACK_NOT_SUPPORTED	Client Acknowledge not supported for transport type 'DIRECT'.

Related reference

[WMQ JMS Exception Messages](#)

IBM WebSphere MQ Advanced Message Security messages

AMS0000

AMS0001

{0}

AMS1000

The IBM WebSphere MQ Advanced Message Security Java interceptor failed to obtain the security policy. Reason Code: "{0}"

Explanation

The IBM WebSphere MQ Advanced Message Security Java interceptor was not able to obtain the security policy.

Action

See subsequent messages in the exception for more details about the cause of the error.

AMS1010

The IBM WebSphere MQ Advanced Message Security Java interceptor failed to unprotect the received message.

Explanation

An error occurred when the IBM WebSphere MQ Advanced Message Security Java interceptor was unprotecting the received message.

Action

See subsequent messages in the exception for more details about the cause of the error

AMS1011

An internal error occurred: the IBM WebSphere MQ Advanced Message Security Java interceptor failed to get the character set and encoding from the incoming message.

Explanation

An error occurred when IBM WebSphere MQ Advanced Message Security Java interceptor was getting the CCSID and encoding from the incoming message.

Action

Retry the operation. If the problem persists, contact your IBM service representative.

AMS1020

Usage: specify the keystore password and private key password `java -cp{0} com.ibm.mq.esec.config.KeyStoreConfigProtector keystorepass privkeypass`

AMS1030

Failed to retrieve the following system properties: "{0}"

Explanation

An error occurred when retrieving certain system properties.

Action

Ensure that the appropriate java permissions are set up in the `java.policy` for the Java runtime to retrieve these system properties.

AMS1035

Unknown message code: "{0}"

Explanation

The text for the message code could not be found in the resource bundles.

Action

Look up information about the displayed message code. Ensure that the appropriate IBM WebSphere MQ language packs are installed on this machine.

AMS1040

Failed to read keystore properties from the keystore configuration file.

Explanation

An error occurred when reading the properties from the keystore configuration file.

Action

Verify that the keystore configuration file is available and that the Java application has read access to this file.

AMS1041

Failed to retrieve the certificate for alias "{0}" from the keystore "{1}"

Explanation

Certificate for the alias could not be retrieved from the keystore.

Action

Use appropriate certificate management tools to ensure that the keystore contains the certificate for the alias.

AMS1042

Failed to retrieve the certificate for alias "{0}" from the keystore "{1}"

Explanation

Certificate for the alias could not be retrieved from the keystore.

Action

Use appropriate certificate management tools to ensure that the keystore contains the certificate for the alias.

AMS1043

Failed to retrieve the certificate for alias "{0}" from the keystore "{1}"

Explanation

Certificate for the alias could not be retrieved from the keystore.

Action

Use appropriate certificate management tools to ensure that the keystore contains the certificate for the alias.

AMS1044

Failed to retrieve the private key for alias "{0}" from the keystore "{1}"

Explanation

Private key for the alias could not be retrieved from the keystore.

Action

Use appropriate certificate management tools to ensure that the keystore contains the private key for the alias.

AMS1045

Failed to retrieve the private key for alias "{0}" from the keystore "{1}"

Explanation

Private key for the alias could not be retrieved from the keystore.

Action

Use appropriate certificate management tools to ensure that the keystore contains the private key for the alias.

AMS1046

Failed to retrieve aliases from the keystore: "{0}"

Explanation

An error occurred when retrieving aliases from the keystore.

Action

Look at subsequent messages for details on actions to perform to fix this problem.

AMS1047

Alias "{0}" not found in the keystore "{1}"

Explanation

An alias is not found in the keystore.

Action

Look at subsequent messages for details on actions to perform to fix this problem.

AMS1048

Failed to retrieve the certificate chain for alias "{0}" from the keystore "{1}"

Explanation

An error occurred when retrieving the certificate chain for an alias from the keystore.

Action

Look at subsequent messages for details on actions to perform to fix this problem.

AMS1049

Failed to verify whether the entry for alias "{0}" in the keystore "{1}" contains a certificate.

Explanation

An error occurred when verifying whether the entry for an alias in the keystore contains a certificate.

Action

Look at subsequent messages for details on actions to perform to fix this problem.

AMS1050

Failed to verify whether the entry for alias "{0}" in the keystore "{1}" contains a private key.

Explanation

An error occurred when verifying whether the entry for an alias in the keystore contains a private key.

Action

Look at subsequent messages for details on actions to perform to fix this problem.

AMS1051

Failed to initialize the keystore "{0}"

Explanation

Keystore initialization failed.

Action

Look at subsequent messages for details on actions to perform to fix this problem.

AMS1052

Failed to protect the password for alias "{0}" in keystore "{1}"

Explanation

An error occurred when protecting the password for an alias in the keystore.

Action

Look at subsequent messages for details on actions to perform to fix this problem.

AMS1053

Failed to unprotect the password for alias "{0}" in keystore "{1}"

Explanation

An error occurred when unprotecting the password for an alias in the keystore.

Action

Look at subsequent messages for details on actions to perform to fix this problem.

AMS1054

Failed to get the certificates for these recipients: "{0}"

Explanation

An error occurred when retrieving certificates for recipients.

Action

Verify that the certificates for these recipients are in the local keystore or in the user registry.

AMS1055

An error occurred when trying to retrieve the recipient certificates.

Explanation

An error occurred when trying to retrieve the recipient certificates.

Action

Look at subsequent messages for details on actions to perform to fix this problem.

AMS1056

The message does not contain an IBM WebSphere MQ Advanced Message Security header or it contains a header that is not valid.

Explanation

The message does not contain an IBM WebSphere MQ Advanced Message Security header or it contains a header that is not valid.

Action

Make sure that the IBM WebSphere MQ Advanced Message Security security policy is the same for the sender and the receiver.

AMS1057

The IBM WebSphere MQ Advanced Message Security header could not be converted from "{0}" to UTF8.

Explanation

An error occurred when converting the IBM WebSphere MQ Advanced Message Security header to UTF8.

Action

Make sure this character encoding is supported by your Java runtime. If the problem persists, contact your IBM service representative.

AMS1058

The IBM WebSphere MQ Advanced Message Security header could not be converted from "{0}" to UTF8.

Explanation

An error occurred when converting the IBM WebSphere MQ Advanced Message Security header to UTF8.

Action

Make sure this character encoding is supported by your Java runtime. If the problem persists, contact your IBM service representative.

AMS1059

An internal has error occurred. The IBM WebSphere MQ Advanced Message Security header could not be converted to an array of bytes.

Explanation

An internal error occurred when converting the IBM WebSphere MQ Advanced Message Security header to an array of bytes.

Action

Retry the failing operation. If the problem persists, contact your IBM service representative.

AMS1060

The format of the recipient name "{0}" is not valid.

Explanation

The format of the recipient name is not valid.

Action

Set the extended attribute for the recipients to a valid value.

AMS1061

The specified alias "{0}" was not found in the keystore "{1}"

Explanation

The alias could not be located on the keystore.

Action

Use appropriate certificate management tools to ensure that the keystore contains the alias specified.

AMS1062

The specified alias "{0}" was not found in the keystore "{1}"

Explanation

The alias could not be located on the keystore.

Action

Use appropriate certificate management tools to ensure that the keystore contains the alias specified.

AMS1063

The alias "{0}" is not a key entry. Keystore: "{1}"

Explanation

The alias specified is not a key entry.

Action

Use appropriate certificate management tools to ensure that the alias specified is a key entry.

AMS1064

The keystore password can only contain ASCII characters.

Explanation

The keystore password contains non-ASCII characters.

Action

Change your keystore password to contain only ASCII characters.

AMS1065

Could not read following keys from keystore configuration file: "{0}".

Explanation

An error occurred when reading properties from the keystore configuration file.

Action

Verify that the property in the keystore configuration file has correct value.

AMS1066

The PKCS11 keystore initialized successfully, PKCS11 configuration: "{0}".

Explanation

The PKCS11 hardware based keystore has been successfully initialized.

Action

No action is required.

AMS1100

The IBM WebSphere MQ Advanced Message Security interceptor could not parse the keystore configuration file.

Explanation

The IBM WebSphere MQ Advanced Message Security interceptor could not parse the keystore configuration file.

Action

Make sure the keystore configuration file contains all required keys and does not contain duplicate keys.

AMS1101

The IBM WebSphere MQ Advanced Message Security keystore configuration file contains duplicate key: "{0}".

Explanation

The IBM WebSphere MQ Advanced Message Security keystore configuration file contains duplicate key.

Action

Make sure the keystore configuration file contains all required keys and does not contain duplicate keys.

AMS1102

The IBM WebSphere MQ Advanced Message Security keystore configuration file must contain absolute path "{0}".

Explanation

IBM WebSphere MQ Advanced Message Security expected absolute path but found relative one.

Action

Make sure the keystore configuration file contains absolute path.

AMS1120

An internal error occurred: the quality of protection received by the IBM WebSphere MQ Advanced Message Security Java interceptor is not valid. Quality of protection: "{0}"

Explanation

The quality of protection received by the Java interceptor is not valid.

Action

Retry the failing operation. If the problem persists, contact your IBM service representative.

AMS1121

An internal error occurred: the quality of protection received by the IBM WebSphere MQ Advanced Message Security Java interceptor is not valid. Quality of protection: "{0}"

Explanation

The quality of protection received by the Java interceptor is not valid.

Action

Retry the failing operation. If the problem persists, contact your IBM service representative.

AMS1122

An internal error occurred: the encryption strength "{0}" received by the IBM WebSphere MQ Advanced Message Security Java interceptor is not valid.

Explanation

The encryption strength received by the Java interceptor is not valid.

Action

Retry the failing operation. If the problem persists, contact your IBM service representative.

AMS1123

An internal error occurred: the signature algorithm "{0}" received by the IBM WebSphere MQ Advanced Message Security Java interceptor is not valid.

Explanation

The signature algorithm received by the Java interceptor is not valid.

Action

Retry the failing operation. If the problem persists, contact your IBM service representative.

AMS1124

An internal error occurred: the signature algorithm "{0}" received by the IBM WebSphere MQ Advanced Message Security Java interceptor is not valid.

Explanation

The signature algorithm received by the Java interceptor is not valid.

Action

Retry the failing operation. If the problem persists, contact your IBM service representative.

AMS1125

The IBM WebSphere MQ Advanced Message Security Java interceptor failed to protect message.

Explanation

The IBM WebSphere MQ Advanced Message Security Java interceptor was not able to protect the message.

Action

See subsequent messages in the exception for more details about the cause of the error.

AMS1126

The IBM WebSphere MQ Advanced Message Security Java interceptor failed to protect message.

Explanation

The IBM WebSphere MQ Advanced Message Security Java interceptor was not able to protect the message.

Action

See subsequent messages in the exception for more details about the cause of the error.

AMS1127

An internal error occurred: the IBM WebSphere MQ Advanced Message Security Java interceptor found more than one sender certificate in the protected message.

Explanation

Only one sender certificate is expected in the protected message.

Action

Retry the failing operation. If the problem persists, contact your IBM service representative.

AMS1128

An internal error occurred: the IBM WebSphere MQ Advanced Message Security Java interceptor failed to find the certificate of the sender in the protected message.

Explanation

The Java interceptor failed to find the certificate of the sender. The protected message is expected to contain the certificate of the sender.

Action

Retry the failing operation. If the problem persists, contact your IBM service representative.

AMS1129

An internal error occurred: the syntax of the protected message received by IBM WebSphere MQ Advanced Message Security Java interceptor is not valid.

Explanation

The syntax of the protected message received by the Java interceptor is not valid.

Action

Ensure that your security policy is specified correctly and retry the failing operation. If the problem persists, contact your IBM service representative.

AMS1130

The IBM WebSphere MQ Advanced Message Security Java interceptor failed to unprotect message.

Explanation

The IBM WebSphere MQ Advanced Message Security Java interceptor was not able to unprotect the message.

Action

See subsequent messages in the exception for more details about the cause of the error.

AMS1131

An internal error occurred: the IBM WebSphere MQ Advanced Message Security Java interceptor failed to find any recipients from the received message.

Explanation

The IBM WebSphere MQ Advanced Message Security Java interceptor was not able to obtain any recipients from the received message.

Action

Retry the failing operation. If the problem persists, contact your IBM service representative.

AMS1132

The certificate of the sender with the subject name "{0}" is not valid.

Explanation

The certificate of the sender is not valid.

Action

See subsequent messages in the exception for more details about the cause of the error.

AMS1133

The certificate of the sender with the subject name "{0}" is not valid.

Explanation

The certificate of the sender is not valid.

Action

See subsequent messages in the exception for more details about the cause of the error.

AMS1134

The certificate of the recipient with the subject name "{0}" is not valid.

Explanation

The certificate of the recipient is not valid.

Action

See subsequent messages in the exception for more details about the cause of the error.

AMS1135

The protected message type does not match the quality of protection (QOP) specified on the objectspace. The expected QOP is "{0}" whereas the actual one is "{1}"

Explanation

The protected message type does not match the QOP specified on the object space.

Action

Verify that the security policy is correctly specified.

AMS1136

The IBM WebSphere MQ Advanced Message Security Java interceptor failed to decrypt the protected message.

Explanation

The IBM WebSphere MQ Advanced Message Security Java interceptor was not able to decrypt the protected message.

Action

See subsequent messages in the exception for more details about the cause of the error.

AMS1137

The IBM WebSphere MQ Advanced Message Security Java interceptor failed to verify the protected message signature.

Explanation

The IBM WebSphere MQ Advanced Message Security Java interceptor was not able to verify the protected message signature.

Action

See subsequent messages in the exception for more details about the cause of the error.

AMS1138

The IBM WebSphere MQ Advanced Message Security Java interceptor failed to verify the certificate trust chain. The certificate subject name: "{0}"

Explanation

The IBM WebSphere MQ Advanced Message Security Java interceptor was not able to verify the certificate trust chain.

Action

See subsequent messages in the exception for more details about the cause of the error.

AMS1139

The protected message encryption mismatch. The expected encryption strength is "{0}" whereas the actual encryption strength is "{1}"

Explanation

The protected message encryption does not match the one specified on the object space.

Action

Verify that the security policy is correctly specified.

AMS1140

The receiver of this encrypted message is not on the message recipient list "{0}"

Explanation

The certificate of a user that is receiving a message is not on the message RecipientsInfo list.

Action

Verify that the user is on a recipients list in a security policy definition.

AMS1200

The certificate with the following subject name "{0}" is not yet valid. The certificate will become valid after "{1}"

Explanation

The certificate is not yet within its validity period.

Action

Retry the failing operation as soon as the certificate is valid or modify your configuration to use a valid certificate.

AMS1201

The certificate with the following subject name "{0}" is expired. The expiration date of the certificate is "{1}"

Explanation

The certificate is expired.

Action

Modify your configuration to use a valid certificate.

AMS1202

The IBM WebSphere MQ Advanced Message Security Java interceptor failed to verify the validity period of the certificate. The subject name of the certificate is "{0}"

Explanation

The IBM WebSphere MQ Advanced Message Security Java interceptor was not able to verify the validity period of a certificate.

Action

Retry the failing operation. If the problem persists, contact your IBM service representative.

AMS1203

A key usage bit that is not valid was found on the certificate with the following subject name "{0}". The "{1}" key usage bit should be set to "{2}" instead of "{3}"

Explanation

A key usage bit that is not valid was found on the certificate.

Action

Modify your configuration to use a certificate that has a valid key usage extension. Consult the Administration guide for more details about certificate settings.

AMS1204

An internal error occurred: the IBM WebSphere MQ Advanced Message Security Java interceptor failed to obtain the encryption algorithm name.

Explanation

An internal error occurred: the IBM WebSphere MQ Advanced Message Security Java interceptor failed to obtain the encryption algorithm name.

Action

Retry the failing operation. If the problem persists, contact your IBM service representative.

AMS1205

The IBM WebSphere MQ Advanced Message Security Java interceptor failed to obtain any recipient certificate.

Explanation

The IBM WebSphere MQ Advanced Message Security Java interceptor attempted to encrypt a message, but it did not find certificates of recipients

Action

Make sure that a keystore contains all certificates specified in the appropriate security policy.

AMS1206

The IBM WebSphere MQ Advanced Message Security Java interceptor failed to obtain any recipient certificate.

Explanation

The IBM WebSphere MQ Advanced Message Security Java interceptor attempted to encrypt a message, but it did not find certificates of recipients

Action

Make sure that a keystore contains all certificates specified in the appropriate security policy.

AMS1207

An internal error occurred: the IBM WebSphere MQ Advanced Message Security Java interceptor failed to obtain the signature algorithm name.

Explanation

An internal error occurred: the IBM WebSphere MQ Advanced Message Security Java interceptor failed to obtain the signature algorithm name.

Action

Retry the failing operation. If the problem persists, contact your IBM service representative.

AMS1208

No proper key bit was found for the certificate for the subject name "{0}". The actual values are: "{1}", the proper values are: "{2}", the state of at least one bit should match.

Explanation

A key usage bit that is not valid was found on the certificate.

Action

Modify your configuration to use a certificate that has a valid key usage extension. Consult the Administration guide for more details about certificate settings.

AMS1209

IBM WebSphere MQ Advanced Message Security Java interceptor failed to verify CRL signature signed by "{0}"

Explanation

IBM WebSphere MQ Advanced Message Security Java interceptor failed to verify CRL signed by the given issuer DN

Action

Make sure certificate of the issuer is present in the local keystore.

AMS1210

The Certificate Revocation List "{0}" could not be loaded

Explanation

The CRL cannot be found or accessed.

Action

Modify your configuration to point to a valid CRL. Make sure the CRL can be read.

AMS1211

The IBM WebSphere MQ Advanced Message Security Java interceptor could not access Certificate Revocation List.

Explanation

The CRL cannot be found or accessed.

Action

Modify your configuration to point to a valid CRL. Make sure the CRL can be read.

AMS1212

The IBM WebSphere MQ Advanced Message Security Java interceptor failed to validate the certificate. A certificate with BasicConstraint CA set to true cannot be used as End Entity. The subject name is "{0}"

Explanation

The IBM WebSphere MQ Advanced Message Security Java interceptor was not able to verify the certificate.

AMS1213

The IBM WebSphere MQ Advanced Message Security Java interceptor failed to validate the certificate. A certificate with the subject name "{0}" has been revoked.

Explanation

The IBM WebSphere MQ Advanced Message Security Java interceptor was not able to verify the certificate.

AMS1300

IBM WebSphere MQ Advanced Message Security internal error: queue manager information could not be saved.("{0}")

Explanation

The IBM WebSphere MQ Advanced Message Security interceptor could not save the queue manager connection (hconn) information because an internal error occurred.

Action

If the problem occurs persistently, contact your IBM service representative.

AMS1310

IBM WebSphere MQ Advanced Message Security could not resolve current queue name from the object handle.("{0}")

Explanation

The IBM WebSphere MQ Advanced Message Security interceptor could not resolve the current queue name from the object handle. The queue might be opened by some internal WebSphere MQ application program interface (API) other than Message Queue Interface (MQI).

Action

Make sure the application does not use internal WebSphere MQ APIs to open the queue. If the problem persists, contact your IBM service representative.

AMS1311

MQOPEN() call failed: reason code ("{0}").

Explanation

The IBM WebSphere MQ Advanced Message Security interceptor call to the WebSphere MQ MQOPEN() function failed with the indicated error.

Action

Consult the WebSphere MQ documentation for an explanation of the error code and suggested corrective action. Ensure that the queue manager is operational, the queue exists.

AMS1312

MQCLOSE() call failed, reason code ("{0}").

Explanation

The IBM WebSphere MQ Advanced Message Security interceptor call to the WebSphere MQ MQCLOSE() function failed with the indicated WebSphere MQ reason code.

Action

Consult the IBM WebSphere MQ documentation for an explanation of the error code and suggested corrective action. Ensure that the queue manager is operational, protected object space are present and correct. Make sure that IBM WebSphere MQ Advanced Message Security are configured and running correctly.

AMS1313

IBM WebSphere MQ Advanced Message Security internal error: message could not be protected because the specified signature algorithm "{0}" is not valid.

Explanation

The unexpected signature algorithm has been specified

Action

This is an internal error. Contact your IBM service representative

AMS1325

IBM WebSphere MQ Advanced Message Security internal error: queue information could not be resolved from the current queue object handle. ("{0}")

Explanation

The IBM WebSphere MQ Advanced Message Security interceptor could not resolve queue information from the current queue object handle because the current queue was not opened by IBM WebSphere MQ Advanced Message Security, or it was closed.

Action

Make sure that the queue has not already been opened by another WebSphere MQ application and that it has not been previously closed. If the problem persists, contact your IBM service representative.

AMS1326

IBM WebSphere MQ Advanced Message Security internal error: could not find local queue manager CodedCharSetId ("{0}").

Explanation

The IBM WebSphere MQ Advanced Message Security interceptor could not find the local queue manager's CodedCharSetId because an internal error occurred.

Action

Make sure that the queue manager is connected through IBM WebSphere MQ Advanced Message Security. If the problem persists, contact your IBM service representative.

AMS1327

Quality of protection "{0}" for queue "{1}" is invalid

Explanation

The IBM WebSphere MQ Advanced Message Security interceptor detected that the quality of protection specified in the security policy for the queue is invalid.

Action

Make sure that the encryption and signature algorithms specified for the queue in the IBM WebSphere MQ Advanced Message Security security policy definition have valid values.

AMS1328

Message with no protection has been put into the queue "{0}".

Explanation

The IBM WebSphere MQ Advanced Message Security interceptor has successfully put a message with the 'none' protection level onto the selected queue.

Action

No action is required.

AMS1329

Message with integrity protection has been put into the queue "{0}".

Explanation

The IBM WebSphere MQ Advanced Message Security interceptor has successfully put a message with the 'integrity' protection level onto the selected queue.

Action

No action is required.

AMS1330

Message with privacy protection has been put into the queue "{0}".

Explanation

The IBM WebSphere MQ Advanced Message Security interceptor has successfully put a message with the 'privacy' protection level onto the selected queue.

Action

No action is required.

AMS1331

IBM WebSphere MQ Advanced Message Security internal error: could not inquire about queue manager properties ("{0}").

Explanation

The IBM WebSphere MQ Advanced Message Security interceptor could not inquire about queue manager's properties because an internal error occurred.

Action

Make sure that the queue manager is connected through IBM WebSphere MQ Advanced Message Security. If the problem persists, contact your IBM service representative.

AMS1340

IBM WebSphere MQ Advanced Message Security internal error: queue information could not be resolved from the current queue object handle. ("{0}")

Explanation

The IBM WebSphere MQ Advanced Message Security interceptor could not resolve queue information from the current queue object handle because the current queue was not opened by IBM WebSphere MQ Advanced Message Security, or it was closed.

Action

Make sure that the queue is not already been opened by another WebSphere MQ application, and that it has not been previously closed. If the problem persists, contact your IBM service representative.

AMS1341

IBM WebSphere MQ Advanced Message Security found a valid 'PDMQ' format header in the current message.

Explanation

IBM WebSphere MQ Advanced Message Security interceptor found a valid IBM WebSphere MQ Advanced Message Security header in the current message.

Action

No action is required.

AMS1342

The 'PDMQ' format header from the current message is invalid.

Explanation

The IBM WebSphere MQ Advanced Message Security interceptor did not find a valid IBM WebSphere MQ Advanced Message Security header in the the current message.

Action

Check the Quality of Protection (QoP) setting for the queue object. If the QoP setting for the queue is not 'none', make sure that no IBM WebSphere MQ plain text messages are routed to this queue.

AMS1343

Message quality of protection ("{0}") does not match the quality of protection ("{1}") set for the queue "{2}".

Explanation

The IBM WebSphere MQ Advanced Message Security interceptor detected a quality of protection (QoP) mismatch between the queue and a message in the queue. QoP mismatches usually occur because the queue QoP is changed between the message put and get.

Action

Make sure that the same queue quality of protection is used for the message put and get. When the queue QoP is changed, clean up all messages in the queue before resuming normal operation.

AMS1344

"{0}" - message was signed by "{1}" at "{2}" using "{3}".

Explanation

This is an informational message used to indicate that a message was signed, and to display the signer's name, message timestamp and signature algorithm used.

Action

No action is required.

AMS1345

"{0}" - message was signed and encrypted by "{1}" at "{2}" using "{3}" and "{4}".

Explanation

This is an informational message used to indicate that a message was signed and encrypted, and to display the signer's name, message timestamp, signature algorithm name and encryption algorithm name.

Action

No action is required.

AMS1346

Message does not have a valid protection type.

Explanation

The IBM WebSphere MQ Advanced Message Security interceptor detected an invalid protection type in a message header. This usually occurs because the IBM WebSphere MQ message header is not valid.

Action

Retry the operation. If the problem persists, contact your IBM service representative.

AMS1347

The IBM WebSphere MQ Advanced Message Security interceptor has put a defective message on error handling queue "{0}".

Explanation

This is an informational message that indicates the IBM WebSphere MQ Advanced Message Security put a message it could not interpret on the specified error handling queue.

Action

Make sure only valid messages are put onto queues protected by IBM WebSphere MQ Advanced Message Security.

AMS1348

The IBM WebSphere MQ Advanced Message Security interceptor failed to put a defective message on error handling queue. MQ reason code ("{0}")

Explanation

The IBM WebSphere MQ Advanced Message Security interceptor was unable to put a message it could not interpret on the error handling queue because the indicated IBM WebSphere MQ error occurred.

Action

Consult the IBM WebSphere MQ documentation for more information about the reason code. If the problem persists, contact your IBM service representative.

AMS1349

IBM WebSphere MQ Advanced Message Security internal error: message could not be converted from source CCSID "{0}" to target CCSID "{1}". IBM WebSphere MQ compcode "{2}": reason "{3}".

Explanation

The IBM WebSphere MQ Advanced Message Security interceptor could not convert the message from the source Coded Character Set Identifier (CCSID) to target CCSID.

Action

Consult the IBM WebSphere MQ documentation for the completion code and reason code, take corrective action. If the problem persists, contact your IBM service representative.

AMS1350

IBM WebSphere MQ Advanced Message Security internal error: message could not be retrieved from the queue. MQGET() failed. IBM WebSphere MQ compcode "{0}": reason "{1}".

Explanation

The IBM WebSphere MQ Advanced Message Security interceptor could not get the message from the queue.

Action

Consult the IBM WebSphere MQ documentation for the completion code and reason code, take corrective action. If the problem persists, contact your IBM service representative.

AMS1351

IBM WebSphere MQ Advanced Message Security internal error: unprotected message size "{0}" bytes does not match the original message size "{1}" bytes.

Explanation

After unprotecting, the message size does not match the original message size. The message header might have been corrupted or tampered with.

Action

Check the message which has been put on the dead letter queue and the audit logs to find the cause of the error and the origin of the message. If the problem persists, contact your IBM service representative.

AMS1352

IBM WebSphere MQ Advanced Message Security internal error: unprotected message QoP does not match QoP indicated in the header. Queue manager is "{0}", queue is "{1}", msgId is "{2}"

Explanation

During unprotecting the mismatch between the message buffer quality of protection type and the one specified by the IBM WebSphere MQ Advanced Message Security header was discovered. The message header might have been corrupted or tampered with.

Action

Check the message which has been put into the dead letter queue and the audit logs to find the cause of the error and the origin of the message. If the problem persists, contact your IBM service representative.

AMS1353

Message with quality of protection ("{0}") higher than ("{1}") set for the queue "{2}" has been accepted.

Explanation

The IBM WebSphere MQ Advanced Message Security interceptor detected a quality of protection (QoP) mismatch between the queue and a message in the queue. QoP mismatch usually occurs when the QoP of the queue is changed between the message put and get.

Action

Make sure that the same queue quality of protection is used for the message put and get. When the QoP of the queue is changed, remove all messages from the queue before resuming any operation.

AMS1354

Message signer is not in the list of authorised signers.

Explanation

The IBM WebSphere MQ Advanced Message Security interceptor detected that the message is signed by an unauthorised party.

Action

Make sure the sender is mentioned in the list of allowed signers.

AMS1355

Message could not be moved from queue ("{0}") to error handling queue. IBM WebSphere MQ completion code ("{1}"), reason code ("{2}").

Explanation

The IBM WebSphere MQ Advanced Message Security interceptor failed to remove the message before it attempted to put it on error handling queue.

Action

Consult the IBM WebSphere MQ documentation for the completion code and reason code, take corrective action. If the problem persists, contact your IBM service representative.

AMS1356

Message too big to fit the buffer, queue ("{0}"), MQ completion code ("{1}"), reason code ("{2}").

Explanation

The IBM WebSphere MQ Advanced Message Security interceptor failed to unprotect data because provided buffer is too small

Action

Issue MQGET with bigger buffer

amq9001

Channel '&3' ended normally.

Explanation

Channel '&3' to host '&5' ended normally.

Action

None.

amq9002

Channel '&3' is starting.

Explanation

Channel '&3' is starting.

Action

None.

amq9005

The WebSphere MQ security policy interceptor failed to access the Public-Key Cryptography Standards (PKCS) #11 hardware token.

Explanation

The WebSphere MQ security policy interceptor failed in an attempt to open a Public-Key Cryptography Standards (PKCS) #11 token. Check GSKit ACME GSS minor reason&1 for '&3'.

Action

Make sure that the PKCS #11 token is present and configured correctly, and retry the operation. Verify that the token label, PIN, and library name are configured correctly.

amq9006

The WebSphere MQ security policy interceptor did not attempt to open a PKCS #11 token because it did not have all required configuration information.

Explanation

The WebSphere MQ security policy interceptor did not attempt to open a Public-Key Cryptography Standards (PKCS) #11 token because one or more of the token label, PIN, or shared library name were not configured.

Action

If you want to use a PKCS #11 token, make sure that the token label, PIN, and library name are configured correctly.

amq9007

The WebSphere MQ security policy interceptor failed to convert a Public-Key Cryptography Standards (PKCS) #11 key certificate label.

Explanation

The WebSphere MQ security policy interceptor failed to convert a Public-Key Cryptography Standards (PKCS) #11 key certificate label needed to identify a key certificate item stored in a PKCS #11 token. Check GSKit ACME GSS minor reason&1.

Action

Make sure that the PKCS #11 key certificate label is defined correctly.

amq9008

Cannot acquire the certificate for the label:&3 in the keystore file&4. GSKit ACME GSS minor reason is&1.

Explanation

WebSphere MQ security policy interceptor was unable to read the certificate for the given label from keystore.

Action

Make sure the label is correctly set as the cms.certificate entry of the configuration file. Check if the keystore contains the certificate for the given label.

amq9009

Cannot acquire credentials. GSKit ACME GSS minor reason is&1.

Explanation

WebSphere MQ security policy interceptor was unable to acquire credentials.

Action

Review the configuration to make sure the keystore database and stash files are not broken.

amq9010

WebSphere MQ security policy internal error: message could not be protected because specified encryption algorithm is not valid&1.

Explanation

The value identifier is specified to unexpected value.

Action

This is an internal error. Contact your IBM service representative.

amq9011

The WebSphere MQ security policy interceptor failed to turn on the Public-Key Cryptography Standards (PKCS) #11 hardware RSA private key algorithm for this ACME environment. Check GSKit ACME GSS minor reason&1.

Explanation

The WebSphere MQ security policy interceptor failed to register the Public-Key Cryptography Standards (PKCS) #11 cryptographic algorithm with the ACME environment.

Action

Make sure that the PKCS #11 token is functioning properly and retry the operation. If the problem persists, contact your IBM service representative.

amq9012

The WebSphere MQ security policy interceptor could not acquire the public key credential.

Explanation

The WebSphere MQ security policy interceptor could not perform a public key infrastructure (PKI) login.

Action

Check the error messages related to acquiring public key credentials to determine the cause of the failure. Check whether user has the permission to read the kdb and stash files and verify whether the kdb file contains a certificate with the label specified. Finally, check whether the certificate has not expired.

amq9013

WebSphere MQ security policy internal error: the Independent Data Unit Protection (IDUP) environment could not be terminated. GSKit reason code&1.

Explanation

The WebSphere MQ security policy interceptor could not release the GSKit IDUP environment because an internal error occurred.

Action

Consult the GSKit appendix in the product documentation for the explanation of the GSKit reason code and take corrective action. If the problem persists, contact your IBM service representative.

amq9014

The WebSphere MQ security policy interceptor failed to close a Public-Key Cryptography Standards (PKCS) #11 token. Check GSKit ACME GSS minor reason&1.

Explanation

The WebSphere MQ security policy interceptor failed to close a Public-Key Cryptography Standards (PKCS) #11 token.

Action

Make sure that the PKCS #11 token is functioning properly and retry the operation. If the problem persists, contact your IBM service representative.

amq9015

WebSphere MQ security policy internal warning: GSKit could not release&3. GSKit reason code&1.

Explanation

The WebSphere MQ security policy GSKit call with the indicated reason code failed because it could not release resources back to the system.

Action

No action is required. If the problem persists, contact your IBM service representative.

amq9016

WebSphere MQ security policy internal error: GSKit could not allocate&3. GSKit reason code&1.

Explanation

The WebSphere MQ security policy GSKit call with the indicated reason code failed because the system could not allocate resources.

Action

Make sure the system meets hardware and software requirements necessary to execute the application, then restart the application.

amq9017

WebSphere MQ security policy internal error: message could not be unprotected: GSKit error code&1, reason&2.

Explanation

The WebSphere MQ security policy interceptor could not verify or decrypt a message because the indicated GSKit error occurred. This can happen for several reasons, all of which are internal failures: (1) the message is not a valid PKCS#7 message; (2) the sender's certificate does not have the required key usage bit to be able to encrypt the message; (3) the sender's certificate was not recognized as a trusted certificate; (4) receiver is not among the recipients of the message.

Action

Consult the GSKit information in the product documentation for the explanation of the GSKit reason code and take corrective action. If the problem persists, contact your IBM service representative.

amq9018

The specified SHA-2 algorithm '&3' is not supported on this platform.

Explanation

The WebSphere MQ security policy interceptor failed to apply a policy as this platform lacks support for SHA-2 signing algorithm.

Action

Check that all platforms that open a queue with a policy that specifies a SHA-2 signing algorithm have the required cryptographic library support.

amq9019

WebSphere MQ security policy internal error: message could not be protected because specified signature algorithm is not valid&1

Explanation

The value identifier is specified to unexpected value.

Action

This is an internal error. Contact your IBM service representative.

amq9020

WebSphere MQ security policy internal error: message could not be protected because no recipients' DN is specified.

Explanation

The policy is set to privacy but does not contain any recipient DN.

Action

This is an internal error. Contact your IBM service representative.

amq9021

An error occurred during the certificate import for the following DN:&3, result:&1

Explanation

The distinguished name is not present in the keystore or invalid.

Action

Consult the GSKit appendix in the product documentation for the explanation of the GSKit reason code and take corrective action. If the problem persists, contact your IBM service representative.

amq9022

An error occurred during the certificate import for the following DN:&3, result:&1, reason:&2.

Explanation

The distinguished name is not present in the keystore or invalid.

Action

Consult the GSKit appendix in the product documentation for the explanation of the GSKit reason code and take corrective action. If the problem persists, contact your IBM service representative.

amq9023

The name of the keystore file '&3' was incorrectly provided with the file extension '&4'

Explanation

The WebSphere MQ security policy interceptor was unable to find the keystore file. It seems the value of the keystore configuration entry incorrectly contains the file extension.

Action

Ensure the keystore file name specified in the configuration file does not contain a file extension.

amq9024

The keystore file '&3' does not exist and the keystore configuration entry incorrectly ends with '&4'. Make sure the value of the keystore configuration does not contain the file extension and it points to an existing file.

Explanation

The WebSphere MQ security policy interceptor was unable to find the keystore file. The value of the keystore configuration entry incorrectly contains the file extension of '&4' and the resultant filename of '&3' does not exist.

Action

Make sure the value of the keystore configuration does not contain the file extension and it points to an existing file.

amq9025

The keystore file&3&4 does not exist. Make sure the value of the keystore configuration entry points to an existing file.

Explanation

WebSphere MQ security policy interceptor was unable to find the keystore database file.

Action

Make sure the value of the keystore configuration entry points to an existing file.

amq9026

Cannot read the keystore file&3&4. Check the file permissions.

Explanation

WebSphere MQ security policy interceptor was unable to read the keystore database file.

Action

Set the proper permissions for the keystore database file.

amq9027

Cannot access the keystore file&3&4. Error code&1.

Explanation

WebSphere MQ security policy interceptor was unable to open the keystore database file.

Action

Ensure the application accessing the keystore file has appropriate permissions to access the keystore file.

amq9028

The keystore stash file&3&4 does not exist.

Explanation

WebSphere MQ security policy interceptor was unable to find the keystore stash file.

Action

Ensure the application accessing the keystore stash file has appropriate permissions to access the file.

amq9029

Cannot read the keystore stash file&3&4.

Explanation

WebSphere MQ security policy interceptor was unable to read the keystore stash file.

Action

Check the permissions for the keystore stash file.

amq9030

WebSphere MQ security policy internal error: queue information could not be resolved from the current queue object handle (&1).

Explanation

The WebSphere MQ security policy interceptor could not resolve queue information from the current queue object handle because the object handle is invalid or unrecognised.

Action

Make sure that the queue has not already been opened by another WebSphere MQ application and that it has not been previously closed. If the problem persists, contact your IBM service representative.

amq9031

WebSphere MQ security policy interceptor has detected an error prior to callback exit execution. WebSphere MQ compcode&1 : reason&2.

Explanation

The WebSphere MQ security policy interceptor received an WebSphere MQ completion code indicating an error prior to interceptor execution.

Action

Consult the product documentation for the completion code and reason code, take corrective action. If the problem persists, contact your IBM service representative.

amq9032

WebSphere MQ security policy interceptor could not find queue manager CodedCharSetId (&1). Make sure you have permission to inquire about queue manager properties.

Explanation

The WebSphere MQ security policy interceptor could not find the local queue manager's CodedCharSetId because an internal error occurred.

Action

Make sure that the application has inquire permission to the queue manager. If the problem persists, contact your IBM service representative.

amq9033

WebSphere MQ security policy internal error: could not find local queue manager CodedCharSetId (&1).

Explanation

The WebSphere MQ security policy interceptor could not find the local queue manager's CodedCharSetId because an internal error occurred.

Action

If the problem persists, contact your IBM service representative.

amq9034

Message does not have a valid protection type.

Explanation

The WebSphere MQ security policy interceptor detected an invalid protection type in a message header. This usually occurs because the WebSphere MQ message header is not valid.

Action

Retry the operation. If the problem persists, contact your IBM service representative.

amq9035

Message signer is not in the list of authorised signers.

Explanation

The WebSphere MQ security policy interceptor detected that the message is signed by an unauthorised party.

Action

Establish whether the identity associated with the sender of the message is authorized to send messages to this application. Ensure the sender is named in the list of allowed signers on the security policy for the queue.

amq9036

MQOPEN() call failed: reason code (&1).

Explanation

The WebSphere MQ security policy interceptor call to the WebSphere MQ MQOPEN() call failed with the indicated error.

Action

Consult the product documentation for an explanation of the error code and suggested corrective action. Ensure that the queue manager is operational and the queue exists.

amq9037

The WebSphere MQ security policy interceptor failed to process a message on queue&3 with CompCode&1 Reason code&2

Explanation

An unexpected error was encountered whilst applying a security policy to queue&3.

Action

This is an internal error. Contact your IBM service representative.

amq9038

The WebSphere MQ security policy interceptor failed to convert the&3 field of the WebSphere MQ header from CCSID&1 to CCSID&2. Verify that default data conversion has been enabled in WebSphere MQ.

Explanation

The WebSphere MQ security policy interceptor internal error: data conversion failed. This is usually a problem with incompatible character sets.

Action

Enable default data conversion in WebSphere MQ. If the problem persists, contact your IBM service representative.

amq9039

&3 - message was signed by&4 using&5.

Explanation

This is an informational message used to indicate that a message was signed, and to display the signer's name, message timestamp and signature algorithm used.

Action

None.

amq9040

&3 - message was signed and encrypted by&4 using&5.

Explanation

This is an informational message used to indicate that a message was signed and encrypted, and to display the signer's name and encryption algorithm name.

Action

None.

amq9041

Message was not protected.

Explanation

This is an informational message used to indicate that a message was neither signed nor encrypted.

Action

None.

amq9042

WebSphere MQ security policy internal error: unprotected message size&1 bytes does not match the original message size&2 bytes.

Explanation

After unprotecting, the message size does not match the original message size. The message header might have been corrupted or tampered with.

Action

Check the message which has been put on the SYSTEM.PROTECTION.ERROR.QUEUE queue to find the cause of the error and the origin of the message. If the problem persists, contact your IBM service representative.

amq9043

Message protection algorithm&3 is different than the required&4.

Explanation

The WebSphere MQ security policy interceptor detected that a message did not meet the encryption strength required by the queue. This usually occurs when encryption strength for a queue is changed while there were still messages in the queue.

Action

Make sure that the same encryption strength is used for the message MQPUT and MQGET. When the queue encryption strength is changed, remove all messages in the queue before resuming normal operation.

amq9044

The WebSphere MQ security policy interceptor has put a defective message on error handling queue&3.

Explanation

This is an informational message that indicates the WebSphere MQ security policy put a message it could not interpret on the specified error handling queue.

Action

Make sure only valid messages are put onto queues protected by WebSphere MQ security policies.

amq9045

The WebSphere MQ security policy interceptor failed to put a defective message on error handling queue. WebSphere MQ reason code (&1)

Explanation

The WebSphere MQ security policy interceptor was unable to put a message it could not interpret on the error handling queue because the indicated WebSphere MQ error occurred.

Action

Consult the product documentation for more information about the reason code. If the problem persists, contact your IBM service representative.

amq9046

The 'PDMQ' format header from the current message is invalid.

Explanation

The WebSphere MQ security policy interceptor did not find a valid WebSphere MQ security policy header in the the current message.

Action

If the QoP setting for the queue is not set to 'none', make sure that no unprotected messages are routed to this queue.

amq9047

WebSphere MQ security policy found a valid 'PDMQ' format header in the current message.

Explanation

WebSphere MQ security policy interceptor found a valid WebSphere MQ security policy header in the current message.

Action

None.

amq9048

Message quality of protection (&1) does not match the quality of protection (&2) set for the queue&3.

Explanation

The WebSphere MQ security policy interceptor detected a quality of protection (QoP) mismatch between the queue and a message in the queue. QoP mismatches usually occur because the queue QoP is changed between the message put and get.

Action

Make sure that the same queue quality of protection is used for the message put and get. When the queue QoP is changed, clean up all messages in the queue before resuming normal operation.

amq9049

Message with quality of protection (&1) higher than (&2) set for the queue&3 has been accepted.

Explanation

The WebSphere MQ security policy interceptor detected a quality of protection (QoP) mismatch between the queue and a message in the queue. QoP mismatch usually occurs when the QoP of the queue is changed between the message put and get.

Action

Make sure that the same queue quality of protection is used for the message put and get. When the QoP of the queue is changed, remove all messages from the queue before resuming any operation.

amq9050

WebSphere MQ security policy could not access the security policy definitions. Major code&1 : Minor code&2

Explanation

The security policy definitions cannot be accessed.

Action

The security policy definitions must be accessible to this application. Check the object authority manager access control for this application to access the SYSTEM.PROTECTION.POLICY.QUEUE.

amq9051

WebSphere MQ could not find the security policy definition. Compcode&1 : reason&2

Explanation

The security policy definition is not defined.

Action

Security policy definition must be defined before this action.

amq9052

Message with no protection has been put into the queue&3.

Explanation

The WebSphere MQ security policy interceptor has successfully put a message with a QoP of 'none' onto the selected queue.

Action

None.

amq9053

Message with integrity protection has been put into the queue&3.

Explanation

The WebSphere MQ security policy interceptor has successfully put a message with a QoP of 'integrity' onto the selected queue.

Action

None.

amq9054

Message with privacy protection has been put into the queue&3.

Explanation

The WebSphere MQ security policy interceptor has successfully put a message with a QoP of 'privacy' onto the selected queue.

Action

None.

amq9055

Quality of protection (QoP)&1 for queue&3 is invalid

Explanation

The WebSphere MQ security policy interceptor detected that the quality of protection specified in the security policy for the queue is invalid.

Action

Ensure that the encryption and signature algorithms specified for the queue in the WebSphere MQ security policy definition have valid values.

amq9056

WebSphere MQ security policy internal error: message could not be protected because the specified signature algorithm&1 is not valid.

Explanation

An unexpected signature algorithm has been specified.

Action

This is an internal error. Contact your IBM service representative.

amq9057

WebSphere MQ security policy internal error: message could not be processed because the specified encryption algorithm&1 is not valid.

Explanation

An unexpected encryption algorithm has been specified.

Action

This is an internal error. Contact your IBM service representative.

amq9058

The WebSphere MQ security policy interceptor cannot inquire the attributes for queue manager&3.

Explanation

The WebSphere MQ security policy interceptor failed to inquire queue manager attributes, compcode&1, reason code&2.

Action

Make sure that the application has appropriate access control permissions to inquire the queue manager object.

amq9059

The WebSphere MQ security policy interceptor failed to generate a configuration event for queue manager&3.

Explanation

The WebSphere MQ security policy interceptor failed to generate a configuration event, comp code&1, reason code&2.

Action

Ensure that the SYSTEM.ADMIN.CONFIG.EVENT queue is available for output from this process.

amq9060

The WebSphere MQ security policy keystore configuration file contains duplicate key:&3.

Explanation

The WebSphere MQ security policy keystore configuration file contains duplicate key:&3.

Action

Make sure the keystore configuration file contains all required keys and does not contain duplicate keys.

amq9061

The WebSphere MQ security policy keystore configuration file does not contain key&3.

Explanation

The WebSphere MQ security policy keystore configuration file does not contain key&3.

Action

Make sure the keystore configuration file contains all required keys and does not contain duplicate keys.

amq9062

The WebSphere MQ security policy interceptor could not read the keystore configuration file:&3.

Explanation

The WebSphere MQ security policy interceptor could not read the keystore configuration file:&3.

Action

Make sure that the user who executes the WebSphere MQ application has permissions to read the configuration file. Check if the configuration file is not corrupted or empty. If the problem persists, contact your local IBM service representative.

amq9063

The WebSphere MQ security policy interceptor could not parse the keystore configuration file.

Explanation

The WebSphere MQ security policy interceptor could not parse the keystore configuration file.

Action

Make sure the keystore configuration file contains all required keys and does not contain duplicate keys.

amq9064

The WebSphere MQ security policy interceptor failed to enable OCSP checking.

Explanation

The WebSphere MQ security policy interceptor encountered an error while configuring OCSP checking.

Action

Check the OCSP configuration, making sure that all parameters are specified correctly.

amq9065

The WebSphere MQ security policy interceptor failed to process the OCSP configuration.

Explanation

The OCSP configuration for WebSphere MQ is incorrect.

Action

Check the OCSP configuration, making sure that all mandatory parameters are specified.

amq9066

The WebSphere MQ security policy interceptor failed to enable CRL checking.

Explanation

The WebSphere MQ security policy interceptor encountered an error while configuring CRL checking.

Action

Check the CRL configuration, making sure that all parameters are correctly specified.

amq9067

The WebSphere MQ security policy interceptor failed to process the CRL configuration.

Explanation

The WebSphere MQ security policy interceptor failed to process the CRL configuration information.

Action

Check the CRL configuration, making sure that all mandatory parameters are specified.

amq9068

The WebSphere MQ security policy interceptor could not enable revocation checking.

Explanation

The WebSphere MQ security policy interceptor could not enable OCSP or CRL because the required functionality is not supported by the version of GSKit that is currently being used.

Action

The currently enabled version of GSKit does not meet the minimum requirements for WebSphere MQ security policy revocation checking. Install a newer version of GSKit that does meet the minimum requirements.

amq9069

The WebSphere MQ security policy interceptor failed to validate a certificate, GSKit status:&3.

Explanation

The WebSphere MQ security policy interceptor failed to validate a certificate.

Action

Read the GSKit log to determine the cause of validation failure.

amq9070

The WebSphere MQ security policy interceptor failed to validate a certificate.

Explanation

The WebSphere MQ security policy interceptor could not validate a certificate.

Action

Read the GSKit logs to determine the cause of validation failure.

amq9071

WebSphere MQ security policy interceptor internal error: could not read GSKit attribute&3, GSKit reason code:&1.

Explanation

The GSKit gskacme_cred_get function failed.

Action

Make sure you are using the correct version of GSKit for this installation of WebSphere MQ.

amq9072

The certificate revocation status is UNKNOWN, GSKit log:&3.

Explanation

The WebSphere MQ security policy interceptor failed to determine the certificate revocation status.

Action

Read the GSKit log to find out the certificate DN and serial number.

amq9073

The certificate revocation status is UNKNOWN, GSKit log:&3.

Explanation

The WebSphere MQ security policy interceptor failed to determine the certificate revocation status.

Action

Read the GSKit log to find out the certificate DN and serial number.

amq9074

The Trial Period license for this copy of WebSphere MQ Advanced Message Security has expired.

Explanation

This copy of WebSphere MQ Advanced Message Security was licensed to be used in trial mode for a limited period only. This period has expired.

Action

Install a Production license for this copy of WebSphere MQ Advanced Message Security.

amq9075

The Beta license for this copy of WebSphere MQ Advanced Message Security has expired.

Explanation

This copy of WebSphere MQ Advanced Message Security was licensed to be used for Beta testing for a limited period only. This period has expired.

Action

Install a Production license for this copy of WebSphere MQ Advanced Message Security.

amq9076

There are 1 days left in the trial period for this copy of WebSphere MQ Advanced Message Security.

Explanation

This copy of WebSphere MQ Advanced Message Security is licensed for a limited period only.

Action

None.

amq9077

This is the final day of the trial period for this copy of WebSphere MQ Advanced Message Security.

Explanation

This copy of WebSphere MQ Advanced Message Security is licensed for a limited period only.

Action

Install a Production license for this copy of WebSphere MQ Advanced Message Security.

amq9078

There is one day left in the trial period for this copy of WebSphere MQ Advanced Message Security.

Explanation

This copy of WebSphere MQ Advanced Message Security is licensed for a limited period only.

Action

None.

amq9079

There are 1 days left in the beta test period for this copy of WebSphere MQ Advanced Message Security.

Explanation

This copy of WebSphere MQ Advanced Message Security is licensed for a limited period only.

Action

None.

amq9080

There is one day left in the Beta test period for this copy of WebSphere MQ Advanced Message Security.

Explanation

This copy of WebSphere MQ Advanced Message Security is licensed for a limited period only.

Action

None.

amq9081

This is the final day of the Beta test period for this copy of WebSphere MQ Advanced Message Security.

Explanation

This copy of WebSphere MQ Advanced Message Security is licensed for a limited period only.

Action

Install a Production license for this copy of WebSphere MQ Advanced Message Security.

amq9082

No policies found.

Explanation

There are no policies defined.

Action

None.

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