

WebSphere® MQ Integrator



Message Flow Versioning and Command Line Deploy Utilities

Version 1.2

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Note!

Before using this information and the product it supports, be sure to read the general information under "Notices" on page 23.

Second edition (March 2002)

This edition applies to Version 1.2 of SupportPac™ IC01 "Message Flow Versioning and Command Line Deploy Utilities" for IBM® WebSphere MQ Integrator Version 2.1 and to all subsequent releases and modifications until otherwise indicated in new editions.

A form for reader's comments is provided at the back of this publication. If the form has been removed, address your comments to:

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About this SupportPac

This SupportPac is provided to help you automate specific parts of your WebSphere MQ Integrator operation on Windows[®] NT and Windows[®] 2000 by providing command line utilities that can be incorporated in for example, batch files that do not require manual intervention.

You might find this useful if you want to write scripts for managing broker deployment separately from the GUI domain development via the Control Center.

The command line utilities supplied in this SupportPac enable you to access the Configuration Manager to carry out the following functions, without using a WebSphere MQ Integrator Control Center GUI.

- Deploy a shared configuration.
- Import and export message flows.
- Assign or removes a message flow or message set.
- Filter and combine message flows in export files.
- Delete a message set from the MRM database.

This document covers the following:

Chapter 1, “Setting up the command line utility configuration file” on page 1.

This chapter describes how to set-up the command line utility configuration file.

Chapter 2, “Using the command line utilities” on page 3.

This chapter describes how to run the following utilities:

- “Deploy” on page 4
- “Message Flow Import” on page 7
- “Message Flow Export” on page 9
- “Message Flow Export File Filter” on page 10
- “Message Flow and Message Set Assign” on page 11
- “Filtered Message Flow Combine” on page 13
- “Message Set Delete” on page 14
-

Chapter 3, “Error and warning messages” on page 15

This chapter lists the error and warning codes that might be returned

when you run a command line utility, and gives guidance on the actions to take to resolve any problems.

Chapter 4, “Working with IBM to solve your problem” on page 21

This chapter describes how to request help from your IBM Support Center, and the information you need to gather before contacting your IBM Support Center.

How this SupportPac works with your WebSphere MQ Integrator installation

Figure 1 on page viii shows how the command line utilities interact with your WebSphere MQ Integrator installation.

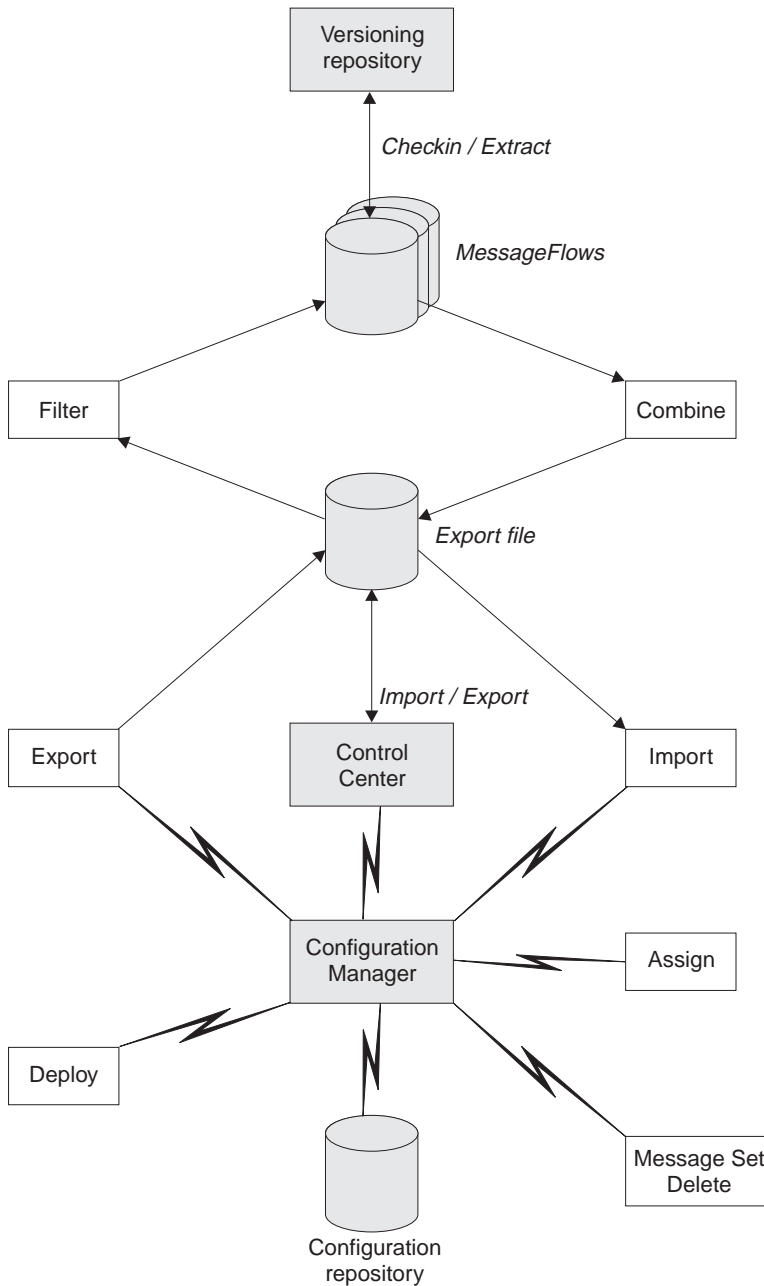


Figure 1. Command line utilities and their relationship with the Configuration Manager

Who this document is for

This document is for WebSphere MQ Integrator users who want to automate configuration and operation tasks, instead of using the WebSphere MQ Integrator Control Center.

What you need to know to understand this document

You should be familiar with the configuration, and operation of WebSphere MQ Integrator.

Assumptions

When you download and use the files in this SupportPac, it is assumed that:

- You have read and agree to the conditions documented in the license agreement included in this SupportPac.
- You have performed a full installation of WebSphere MQ Integrator Version 2.1. The Control Center component must be installed on the Windows NT machine where you intend to run the command line utilities.
- You have created and started a broker on a supported runtime operating system (AIX®, HP-UX, Sun Solaris, Windows NT, Windows 2000, and z/OS®).

WebSphere MQ Integrator for z/OS also runs on OS/390® V2R8, V2R9, and V2R10. All references in this book to z/OS are also applicable to these releases of OS/390 unless otherwise stated. Customization and configuration differences between the z/OS and OS/390 operating systems are transparent to the user.

- You have created and started the Configuration Manager on a Windows NT or Windows 2000 system. The name of the queue manager is not assumed. However, if your broker and your Configuration Manager do not share the same queue manager, you must set up MQSeries® communications between the two.
- You have included the location of “java.exe” in your PATH.

Contents

This SupportPac is supplied in a zip file (IC01.zip) that contains the files listed in Table 1:

Table 1. Files supplied in IC01.zip

ic0100.pdf	This document.
license	Directory containing license agreements.
ic01.jar	The jar file containing the program files.

Table 1. Files supplied in IC01.zip (continued)

mqsifiltermsgflows.bat	The Message Flow Export File Filter utility.
mqsicombinmsgflows.bat	The Filtered Message Flow Combine utility.
mqsiiimportmsgflows.bat	The Message Flow Import utility.
mqsiasign.bat	The Message Flow and Message Set Assign utility.
mqsdeletemsgset.bat	The Message Set Delete utility.
mqsdeploy.bat	The Deploy utility.
mqslexportmsgflows.bat	The Message Flow Export utility.
mqsifindandreplace.bat	The Find and Replace utility.
mqsifindandreplace.txt	The help file for the Command Line Find and Replace Utility.
mqsicfgutil.ini	The command line utility configuration file.
WMQIIC01.properties	Message file for all utilities.

You must uncompress IC01.zip on a PC, using a suitable unzip program, to the <mqs_i_install_dir\Tool> folder on the machine on which the Control Center component is installed.

Where to find more information

The MQSeries product family Web site is at:

<http://www.ibm.com/software/mqseries/>

By following links from this Web site you can:

- Obtain latest information about the MQSeries product family.
- Access the MQSeries books in HTML and PDF formats.
- Obtain information about complementary offerings by following these links:
 - IBM Business Partners
 - Partner Offerings (within *Related links*)
- Download an MQSeries SupportPac.

If you need help reading syntax diagrams, please refer to Chapter 9 in the *WebSphere® MQ Integrator Administration Guide*

Chapter 1. Setting up the command line utility configuration file

The initialization file `mqsicfgutil.ini` is a plain text file and must contain the configurable variables required for the connection to the Configuration Manager. This file is used by all the utilities described here.

hostname

Specifies the name of the machine on which the Configuration Manager resides, (for example, `configmgr1`).

queueManager

Specifies the Configuration Manager queue manager name on that the above machine, (for example, `queuemgr1`)

port Specifies the port on which the above queue manager is listening. The default value should be 1414.

SecurityExit

Security exit class name if required.

Suitable error messages are returned for missing or invalid information in the `mqsicfgutil.ini` file.

Chapter 2. Using the command line utilities

This section describes how to use the following command line utilities:

- “Deploy” on page 4
- “Message Flow Import” on page 7
- “Message Flow Export” on page 9
- “Message Flow Export File Filter” on page 10
- “Message Flow and Message Set Assign” on page 11
- “Filtered Message Flow Combine” on page 13
- “Message Set Delete” on page 14

Instructions for using the **mqsfindandreplace** utility are contained in the file, `mqsfindandreplace.txt`.

Using the provided examples

If you cut and paste examples of commands from PDF files to a command line for execution, you must check that the content is correct before you press Enter. Some characters might be corrupted by local system and font settings.

Deploy

Purpose

The **mqsidedeploy** utility sends a deploy request to the Configuration Manager and removes the need to use a Control Center GUI, (although the Control Center must be installed).

The command line deploy utility is called **mqsidedeploy** and is invoked by a command script of the same name (**mqsidedeploy.bat**).

The **mqsidedeploy** utility makes a deploy request to the Configuration Manager specified in the `mqsicfgutil.ini` file in the same way that it would be made from the Control Center. This allows the various types of deploy requests to be made from a batch command script without the need for manual GUI interaction.

Types of deploy

The **mqsidedeploy** utility supports several options that correspond to the types of deploy that are available through the Control Center. These are briefly described below:

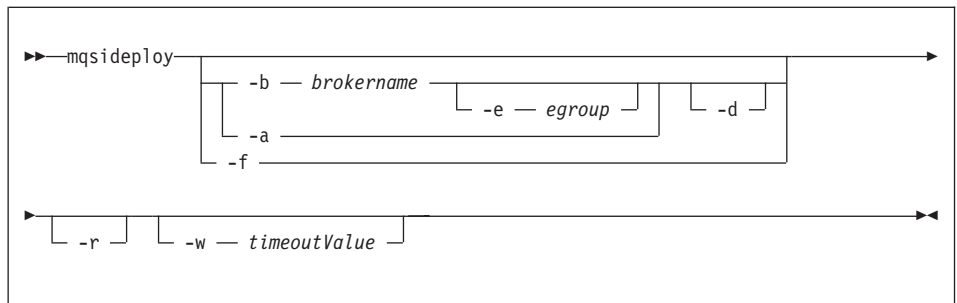
- You can deploy message set and message flow assignments to execution groups or to individual or multiple brokers
- You can deploy the broker domain topology
- You can deploy topics and Access Control Lists
- You can deploy all types of configuration data (assignments, topology, and topics)

For further details, refer to the Control Center online help and the *WebSphere MQ Integrator Using the Control Center* book.

For each of these types of deploy, you can deploy the complete configuration data, or you can deploy the delta configuration data (that is, the data that has changed since the last deploy).

You can also force a deploy for the complete configuration data of all types. This overrides any deploy already in progress.

Syntax



Optional parameters

-b brokername

This is the name of the broker that is to be deployed to. If the -a or -f flag is specified, the -b option is ignored. Deploying all or forced domain information deploys configuration information to all the brokers in the domain.

-e egroup

This is the name of the execution group that is to be deployed to if an execution group only deploy is required. The -b option must also be specified with this option. If the -a or -f flag is specified, the -e option is ignored. Deploying all or forced domain information deploys configuration information to all the brokers in the domain.

-d This flag specifies a delta deploy if required (a complete deploy is always done by default). It is ignored if the -f flag is also specified because a forced deploy must always deploy the complete configuration information.

-a This flag specifies that all parts of the domain configuration information should be deployed. This consists of message sets, message flows, domain topology, and topics.

The complete domain configuration is deployed by default. If a delta deploy is required the -d flag must be used as well. The -b and -e options are ignored when this flag is specified.

-f This flag specifies a force deploy is required. All other flags except -w and -r are ignored when this option is used. A force deploy deploys complete configuration information to all the brokers in the domain.

-r The -r option attempts to read and display log records associated with the previous deploy request. This can be used in conjunction with the -w option to wait for a specified amount of time. Once a log record has been read, the deploy is considered complete and the log record(s) associated with it are deleted.

mqsidedeploy

-w timeoutValue

This specifies the time in seconds that the utility waits for the broker to reply before returning control to the command line. The **mqsidedeploy** utility polls the Configuration Manager log records looking for the results of the deploy request that has just been sent. The relevant log records contain information indicating whether the deploy has been successful. The timeoutValue is the number of seconds to wait before timing out in the range 1 - 999 999. If no timeoutValue is provided, or a value less than 1 or greater than 999 999 is specified, an error is returned.

Examples

Perform a delta deploy to <broker_name>:

```
mqsidedeploy -b <broker_name> -d
```

Perform a deploy to all brokers for all data (topics, topology, message sets, and message flow information):

```
mqsidedeploy -a
```

Perform a force deploy:

```
mqsidedeploy -f
```

Perform a deploy to broker <broker_name> and wait five minutes for a reply:

```
mqsidedeploy -b <broker_name> -w 300
```

Read any replies (log messages) received from brokers that have previously been deployed to:

```
mqsidedeploy -r
```

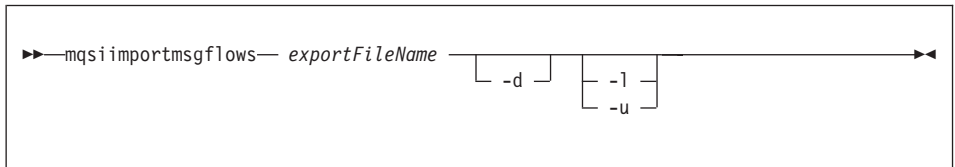
Message Flow Import

Purpose

The **mqsiimportmsgflows** utility reads an input file (which must be in the form of, an export XML file as produced by the File — Export function of the Control Center) and writes message flows to the Configuration Manager shared repository. Message flows are matched on either the message UUID or label. If a particular message already exists, it is locked, deleted, and then re-inserted into the Configuration Manager repository. If a message flow exists and is already locked, the whole operation is abandoned and no changes are made.

The optional **-l** and **-u** flags specify how the message flows in the export file are matched with existing message flows in the Configuration Manager repository. If the **-u** flag is used, only message flows with the same UUID are considered matched. If the **-l** flag is used, only message flows with the same label (or name) are considered matched. If neither of these flags are specified, a message flow is considered matched if either the UUID or the label is the same.

Syntax



Required parameter

exportFileName

This is the name of the XML export file produced by the File — Export function of the WebSphere MQ Integrator Version 2 Control Center or the **mqsiexportmsgflows** utility. All the message flows found in the export file are deleted if they already exist, (i.e. a message flow has been matched with one in the Configuration Manager repository), then inserted into the Configuration Manager shared repository. The user is informed which message flows have been replaced and which have simply been inserted as new entries. This is a mandatory argument for this command.

Optional parameters

- d** If this flag is specified, all the message flows found in the export file, that match any found in the Configuration Manager repository are deleted from the Configuration Manager repository. If you use the

mqsimportmsgflows

utility and specify this flag, it behaves in exactly the same way as the **mqsdeletemsgflows** command which this utility replaces.

-l If the -l flag is used then only message flows with the same label (or name) are considered matched.

-u

If the -u flag is used then only message flows with the same UUIDs are considered matched.

Note: If the -l or the -u flag is not specified, a message flow is be considered matched if either the label or UUID are the same.

Examples

Import all message flows found in the export file allmsgs.xml:

```
mqsimportmsgflows allmsgs.xml
```

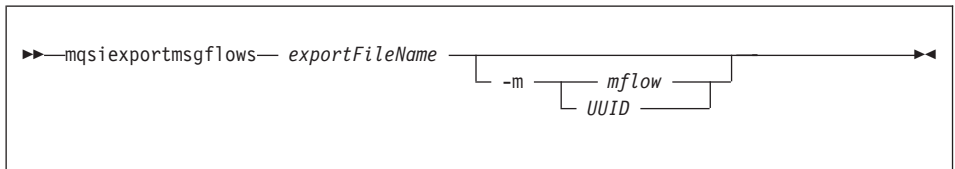
Message Flow Export

Purpose

The **mqsiexportmsgflows** utility exports one or more message flows from the configuration repository to an export XML file which has the same format as an export file produced by the File — Export function of the Control Center.

This file can be used as input to the **mqsiimportmsgflows** utility.

Syntax



Required parameter

exportFileName

This is the name of the XML export file that the message flows are to be written to. The full path and file name must be provided. If the target directory does not exist, the command fails. If the target file name already exists, you are prompted for a decision on whether to overwrite the existing file.

This file can then be read by the **mqsiimportmsgflows** utility to insert the message flows into another Configuration Manager repository. The exportFileName parameter is mandatory in this command.

Optional parameter

-m mflow|UUID

Use the -m option to specify either a single message flow label or message flow UUID. A message flow in the Configuration Manager repository is considered to match the argument to the -m parameter if either the UUID or the label are the same. If the -m option is not used, all message flows in the Configuration Manager repository are exported. A list of message flows that have been successfully exported is displayed.

Examples

Export all message flows found in the Configuration Manager shared repository to an export file called allmsgs.xml:

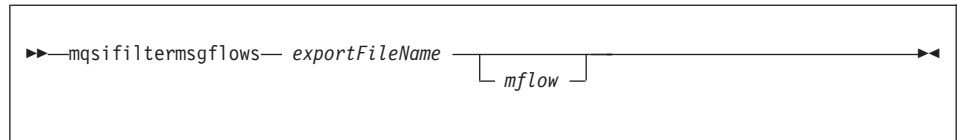
```
mqsiexportmsgflows allmsgs.xml
```

Message Flow Export File Filter

Purpose

The **mqsifiltermsgflows** utility takes an export file (exported from the Control Center), and creates a “filtered” export file containing a single message flow. It does not modify the original export file.

Syntax



Required parameter

exportFileName

This is the name of the XML export file produced by the File — Export function of the Control Center or the **mqslexportmsgflows** utility. A file is created in the same directory with the name “<label>.xml”, where <label> is the label of the message flow specified. If the second parameter is not specified, all message flows are retained and a new export file with the suffix “.filtered.xml” is created. All information not relating to message flows is removed. This file can be imported into the Control Center using the File — Import function. You can combine more than one of these message flow files into a single export file using the **mqsicombinmsgflows** utility.

Optional parameter

mflow This is the name or label of the message flow to extract from the export file. If this parameter is not specified, all message flows are retained and a new export file with the suffix “.filtered.xml” is created

Examples

Extract message flow <message_flow_name> from export file <export_file_name> into a new export file:

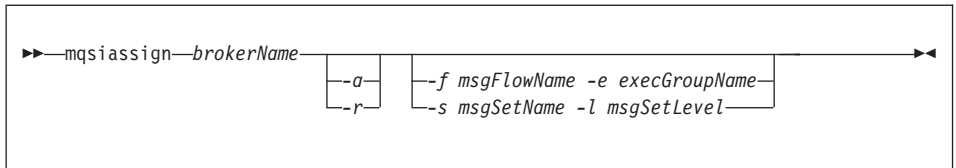
```
mqsifiltermsgflows <export_file_name> <message_flow_name>
```

Message Flow and Message Set Assign

Purpose

The **mqsiassign** utility assigns or removes a message flow or message set from a specified broker or execution group in the Configuration Manager's shared database.

Syntax



Required parameter

brokerName

This is the name of the broker that the message flow or message set is being removed from , or assigned to.

Optional parameters

-a This flag indicates the following message flow or message set should be assigned to the specified execution group or broker. If the **-r** flag is also specified, the utility abandons the operation with an error.

-r This flag indicates the following message flow or message set should be removed from he specified execution group or broker. If the **-a** flag is also specified, the utility abandons the operation with an error.

-f msgFlowName

This parameter specifies the name of the message flow to be assigned or removed from the specified execution group and broker. If the **-s** flag is also specified, the utility abandons the operation with an error. The message flow must exist in the Configuration Manager's shared database and the execution group in which the message flow is being added to must also not be locked by any other resource.

-e execGroupName

This parameter specifies the name of the execution group a message flow is being assign to, or removed from. If a message set is being assigned or removed, this parameter will be ignored.

-s msgSetName

This parameter specifies the name of the message set to be assigned or removed from the specified broker. If the **-f** flag is also specified, the utility abandons the operation with an error. The message set

mqsiasign

must exist in the MRM database and the broker the message set is being added to must also not be locked by any other resource.

-l msgSetLevel

This parameter specifies the level of the message set to be assigned or removed. Several message sets can have the same name, but be at different levels. If this parameter is omitted, the utility will default to Level 1, (this is the default level for message sets).

Examples

Assign message flow MF1 to execution group EG1 on broker BROKER1:

```
mqsiasign BROKER1 -a -e EG1 -f MF1
```

Remove message flow MF1 from execution group EG1 on broker BROKER1:

```
mqsiasign BROKER1 -r -e EG1 -f MF1
```

Assign message set MS1 at level 1 to broker BROKER1:

```
mqsiasign BROKER1 -a -s MS1
```

Assign message set MS2 at level 3 to broker BROKER2:

```
mqsiasign BROKER2 -a -s MS2 -l 3
```

Remove message set MS2 at level 3 from broker BROKER2:

```
mqsiasign BROKER2 -r -s MS2 -l 3
```


Filtered Message Flow Combine

Purpose

The **mqsicombinmsgflows** utility takes a list of filtered export files, as produced by the **mqsifiltermsgflows** utility, and combines them into a single XML export file, ready to be imported by the File — Import function of the Control Center.

The filtered export files must exist in a separate directory, and this directory must contain no other files. The combined XML export file is written to this directory when the command completes.

Syntax

```
►►—mqsicombinmsgflows— directory — newExportFileName —————►◄
```

Required parameters

directory

This is the path of the directory that must contain all filtered export files that you want to combine are located. These are files that have been created by the **mqsifiltermsgflows** command.

newExportFileName

This is the name of a new export file into which the combined filtered export files are written. After this file has been created, you can import the message flows using the Control Center File — Import operation or the **mqsiimportmsgflows** utility.

Examples

Combine all the message flows found in the export files contained in the directory “expfiles\allfiles” to a new export file called expnew.xml:

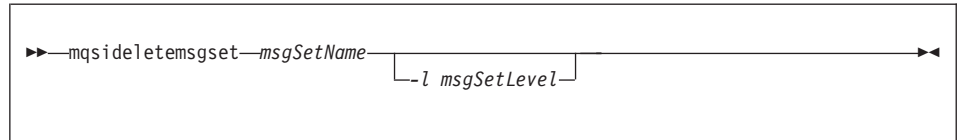
```
mqsicombinmsgflows expfiles\allfiles expnew.xml
```

Message Set Delete

Purpose

The **mqsdeletemsgset** utility provides a command line interface that will delete a message set from the MRM database via the Configuration Manager. This utility uses the **mqsicfgutil.ini** file for communication with the Configuration Manager like the other utilities in this SupportPac.

Syntax



Required parameter

msgSetName

This is the name of the message set to be deleted. The message set must already exist in the MRM database.

Optional parameter

-l msgSetLevel

This is the level of the message set to be deleted if there is more than one message set with the same name. If this option is omitted then the utility will default to Level "1".

Examples

Delete message set MS1 at level 1:

```
mqsdeletemsgset MS1
```

Delete message set MS2 at level 3:

```
mqsdeletemsgset MS2 -l 3
```

Chapter 3. Error and warning messages

BIP1015I Combines one or more message flows filtered by **mqsisfiltermsgflows**. Syntax: **mqsicombinmsgflows directory new_export_file<-?>**

Explanation: Command Options

'directory'

Directory containing XML export files as produced by **mqsisfiltermsgflows**.

'new_export_file'

Name of the new XML export file to contain the combined message flows.

User Response:

BIP1016S No files were found in the given directory.

Explanation: No export files were found in the provided directory: **'&1'**.

User Response: Reissue the command providing a valid directory containing export files produced by the **mqsisfiltermsgflows** command.

BIP1017I Successful command completion.

Explanation:

User Response:

BIP1018S Unexpected exception in utility **&1**; method **&2**.

Explanation: An exception was caught by the **&1** utility in method **&2**. The exception text is: **&3**. The current operation will end.

User Response: Retry the operation if possible. If the exception still occurs, contact your IBM support center.

BIP1019S Directory does not exist or is not a directory.

Explanation: The specified directory **'&1'** does not exist or is not a directory.

User Response: Reissue the command

specifying a valid directory containing export files to combine.

BIP1020S Invalid filename.

Explanation: The specified file **'&1'** does not exist or is invalid.

User Response: Reissue the command specifying a valid filename.

BIP1021S XML Document object is null.

Explanation: XML document object in file **'&1'** is null.

User Response: Check the file contains a valid XML document and retry the operation. If the exception still occurs, contact your IBM support center.

BIP1022S Input document root element is null.

Explanation: Input XML document **'&1'** has no root element!

User Response: This is often caused by a missing DTD file; ensure that the file **'mqsi.dtd'** exists in the same directory from which this command was invoked. If the exception still occurs, contact your IBM support center.

BIP1023S Missing element in input document.

Explanation: Input XML document **'&1'** is missing element **'&2'**

User Response: Reissue the command. If the exception still occurs, contact your IBM support center.

BIP1024S Output document root element is null.

Explanation: Output XML document **'&1'** has no root element.

User Response: This is often caused by a missing DTD file; ensure that the file **'mqsi.dtd'** exists in the same directory from which this

BIP1025S • BIP1035S

command was invoked. If the exception still occurs, contact your IBM support center.

BIP1025S Missing element in output document.

Explanation: Output XML document '&1' is missing element '&2'

User Response: Reissue the command. If the exception still occurs, contact your IBM support center.

BIP1026I Filters one or more message flows from the specified export file into a new export file. Syntax: mqsifiltermsgflows exported_xml_file <message_flow_label> <-?>

Explanation: Command Options

'exported_xml_file'

Export file name containing message flow XML definitions.

'message_flow_label'

Message flow label to filter. All message flows are filtered if not specified.

User Response:

BIP1027S Message flow not found in input document.

Explanation: The message flow with the name '&1' was not found in the workspace export file.

User Response: Check the message flow name is correct and that it exists in the specified input export file, then reissue the command.

BIP1028I Reading XML file '&1' ...

Explanation:

User Response:

BIP1029I Writing combined message flows to file '&1' ...

Explanation:

User Response:

BIP1030I Parsing file '&1' ...

Explanation:

User Response:

BIP1031I Saving file '&1' ...

Explanation:

User Response:

BIP1032I Deploys all or part of the current configuration to the specified broker. Syntax: mqsideploy -b broker_name (-e execution_group_name) <-d> <-w timeout_value> <-a|-f> <-r> <-?>

Explanation: Command Options

'-b broker_name'

Name of broker to deploy to.

'-e execution_group_name'

Name of execution group to deploy to.

'-d'

Perform a delta deploy (complete deploy is the default).

'-w timeout_value'

Wait for the broker to reply to the deploy request.

'-a'

Perform a deploy for all data.

'-f'

Perform a force deploy.

'-r'

Read any log records associated with the previous deploy.

User Response:

BIP1033S Invalid parameters.

Explanation: The specified flags or options are invalid:'&1'.

User Response: Reissue the command specifying valid options and flags.

BIP1034S Properties file not found.

Explanation: Properties file '&1' does not exist or was not found.

User Response: Reissue the command making sure the file '&1' is in the current directory.

BIP1035S Property missing from properties file.

Explanation: Property '&1' was not found in the properties file '&2'.

User Response: Reissue the command making

sure a valid '&2' properties file is in the current directory.

BIP1036S Unexpected WebDAV exception in utility &1; method &2.

Explanation: A WebDAV exception was caught by the &1 utility in method &2. The exception text is: &3. The current operation will end.

User Response: Retry the operation if possible. If the exception still occurs, contact your IBM support center.

BIP1037S Broker not found.

Explanation: Broker '&1' was not found in the Configuration Manager database.

User Response: Reissue the command specifying an existing broker.

BIP1038S Execution group not found.

Explanation: Execution group '&1' was not found in the Configuration Manager database for broker '&2'.

User Response: Reissue the command specifying an existing, valid execution group.

BIP1039I Deploying to broker '&1' ...

Explanation:

User Response:

BIP1040I Waiting '&1' second(s) for reply to deploy request for broker '&2' ...

Explanation:

User Response:

BIP1041I Reply received for deploy request to broker '&1' (deploy complete)

...

Explanation:

User Response:

BIP1042I Timeout waiting for deploy request reply for broker '&1'.

Explanation:

User Response:

BIP1043I No previous deploy request files found to resolve (file extension '&1').

Explanation:

User Response:

BIP1044I Received WebDAV information message: '&1'

Explanation:

User Response:

BIP1045I Received log information message: '&1'

Explanation:

User Response:

BIP1046S Received log message: '&1'

Explanation:

User Response:

BIP1047S Message flow already locked.

Explanation: Message flow '&1' (UUID: '&2') is already locked and cannot be deleted.

User Response: Reissue the command making sure all the message flows in the export file are not locked.

BIP1048I Unlocking and deleting message flow '&1' (UUID: '&2') ...

Explanation:

User Response:

BIP1049I Importing &1 message flow '&2' (UUID: '&3') ...

Explanation:

User Response:

BIP1050I Imports message flows from the specified export file into the Configuration Manager repository.
Syntax: mqsiimportmsgflows
 exported_xml_file <-l|-u> <-d>
 <-?>

Explanation: Command Options

'exported_xml_file'

Export file name containing message flow XML definitions.

'-l' Match all message flows by label only.

'-u' Match all message flows by UUID only.

'-d' Just delete matched message flows. Do not import any.

User Response:

BIP1051I Exports message flows from the Configuration Manager repository to the specified export file.
 Syntax: mqsiexportmsgflows export_xml_file <-m message_flow_label | message_flow_UUID> <-?>

Explanation: Command Options

'export_xml_file'

Export file name which will contain message flow XML definitions.

'-m message_flow_label | message_flow_UUID'
 Message flow UUID or label to match for export.

User Response:

BIP1052I Exporting message flow '&1' (UUID: '&2') ...

Explanation:

User Response:

BIP1053I File '&1' already exists. Overwrite file? [N]/Y

Explanation:

User Response:

BIP1054I File '&1' contains no new data.

Explanation:

User Response:

BIP1055I Deploying to all brokers ...

Explanation:

User Response:

BIP1056I Force deploying to all brokers ...

Explanation:

User Response:

BIP1057I Deploy operations successfully initiated. The Configuration Manager has processed the deploy request and initiated the deploy of configuration data. Use the '-r' flag to check for the brokers response.

Explanation:

User Response:

BIP1058S Message flow not found.

Explanation: The message flow with the name '&1' was not found in the Configuration Manager database.

User Response: Check the message flow name is correct and that it exists, then reissue the command.

BIP1059I Assigns/removes message flows and message sets from the specified execution group or broker in the Configuration Manager repository. Syntax: mqsiassign broker_name <-a | -r> <-f msg_flow_name -e execution_group_name> <-s msg_set_name -l msg_set_level> <-?>

Explanation: Command Options

'broker_name'

Name of the broker this utility should take action against.

'-a' Assign the specified message flow or message set.

'-r' Remove the specified message flow or message set.

'-f msg_flow_name'

Name of the message flow to assign or delete.

'-e execution_group_name'

Name of the execution group to assign or remove the message flow from.

'-s msg_set_name'

Name of the message set to assign or delete.

'-l msg_flow_level'

Level of the message set to assign or delete.

'-?' Display this help.

User Response:

BIP1060S Parent resource already locked.

Explanation: Parent resource &1 '&2' (UUID: '&3') is already locked and cannot be updated.

User Response: Reissue the command making sure the specified parent resource is not locked.

BIP1061I Assigning message flow '&1' to execution group '&2' ...

Explanation:

User Response:

BIP1062I Removing message flow '&1' from execution group '&2' ...

Explanation:

User Response:

BIP1063I Assigning message set '&1' to broker '&2' ...

Explanation:

User Response:

BIP1064I Removing message set '&1' from broker '&2' ...

Explanation:

User Response:

BIP1065S Message set not found.

Explanation: The message set with the name '&1' at level '&2' was not found in the MRM database.

User Response: Check the message set name and level are correct and that it exists, then reissue the command.

BIP1066S Message flow already assigned!

Explanation: The message flow with the name '&1' is already assigned to execution group '&2'.

User Response: Check the message flow name is correct then reissue the command.

BIP1067S Message set already assigned!

Explanation: The message set with the name '&1' at level '&2' is already assigned to broker '&3'.

User Response: Check the message set name and level is correct then reissue the command.

BIP1068I Unlocking and deleting message set '&1' (UUID: '&2') ...

Explanation:

User Response:

BIP1069I Deletes message sets from MRM database. Syntax: mqsideletemsgset msg_set_name <-l msg_set_level> <-?>

Explanation: Command Options

'msg_set_name'

Name of the message set to assign or delete.

'-l msg_flow_level'

Level of the message set to assign or delete.

'-?' Display this help.

User Response:

Chapter 4. Working with IBM to solve your problem

If you are unable to resolve problems that you find when you use WebSphere MQ Integrator, or if you are directed to do so by an error message generated by WebSphere MQ Integrator, you can request assistance from your IBM Support Center.

Before you contact them, use the checklist below to gather key information. Some items might not necessarily be relevant in every situation. But you should provide as much information as possible to enable the IBM Support Center to recreate your problem.

For WebSphere MQ Integrator

- CSDs applied.
- E-fixes applied.
- All current trace and error logs, including relevant Windows NT Event log or UNIX platform syslog entries, and First Failure Support Technology™ (FFST™) output files. User trace log files at debug level should be obtained for all relevant message flows and should preferably be formatted.

To send files from the HFS to IBM, you should use tar to compress the file. For example `tar -cx -f coredump.0002009E coredump.toibm`. To send MVS™ data sets to IBM you should terse them using TRSMAIN which can be downloaded from <ftp://ftp.software.ibm.com/s390/mvs/tools/packlib/>.

- A list of the components installed. This should include details of the number of machines and their operating systems, the number of brokers and the machine on which they are running, and the existence and details of any User Name Servers.
- The file obtained by exporting your workspace or appropriate message flows. This action is performed from the Control Center; see *WebSphere MQ Integrator Using the Control Center* for details of how to do this.
- The files obtained by exporting all relevant message sets. This action is performed for each message set by using the **mqsiimpexpmsgset** command with the **-e** flag set. See the *WebSphere MQ Integrator Administration Guide* for further details.
- Details of the operation you were performing, the results that occurred, and the results you were expecting.
- A sample of the messages being used when the problem arose.

- If relevant, the report file from the C or COBOL importer. This is located in the directory from which the file import was attempted.

For MQSeries®

- CSDs applied.
- E-fixes applied.
- All current trace and error logs, including relevant Windows NT Event log or UNIX platform syslog entries and FFST output files. You can find these files, which have the extension FDC, in the errors subdirectory within the MQSeries home directory.
- Details of MQSeries client software, if appropriate.

For each database you are using

- Product and release level (for example, DB2® 7.1).
- CSDs applied.
- E-fixes applied.
- All current trace and error logs, including relevant Windows NT Event log or UNIX platform syslog entries and First Failure Support Technology (FFST) output files. Check database product documentation for where to find these files.

For Windows NT

- Version.
- Service Pack level.
- The version of the system files msvcrt.dll, msvcp60.dll, msvcirt.dll, and mfc42.dll. You can find these files in the WINNT\SYSTEM32 directory. Use the Windows NT Explorer file properties to display the versions.

For UNIX® platforms

- Version. You can find the version installed by using the uname -a command.
- Service level and any patches applied.

For z/OS

- Version of z/OS.
- List of PTFs applied.

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