IBM Systems - iSeries
i5/OS Commands
Starting with WRKNTWAUTE (Work with NetWare Authentication Entries)

Version 5 Release 4
Note

Before using this information and the product it supports, be sure to read the information in "Notices," on page 233.

Second Edition (February 2006)

This edition applies to version 5, release 4, modification 0 of i5/OS (product number 5722-SS1) and to all subsequent releases and modifications until otherwise indicated in new editions. This version does not run on all reduced instruction set computer (RISC) models nor does it run on CICS models.

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Work with NetWare Aut Entries (WRKNTWAUTE)

Where allowed to run: Interactive environments (*INTERACT
*IPGM *IREXX *EXEC)
Threadsafe: No

The Work with NetWare Authentication Entry (WRKNTWAUTE) command displays a list of authentication entries for a user. From the Work with NetWare Authentication Entry panel, options are available to add, change, display and remove authentication entries, as well as start authenticated connections to servers using the authentication entries.

### Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>SVRTYPE</td>
<td>Server type</td>
<td>*ALL, *NETWARE3, *NDS</td>
<td>Optional</td>
</tr>
<tr>
<td>NDSTREE</td>
<td>NDS tree</td>
<td>Character value, *ALL</td>
<td>Optional</td>
</tr>
<tr>
<td>SERVER</td>
<td>Server</td>
<td>Character value, *ALL</td>
<td>Optional</td>
</tr>
<tr>
<td>USRPRF</td>
<td>User profile</td>
<td>Name, *CURRENT</td>
<td>Optional</td>
</tr>
</tbody>
</table>

#### Server type (SVRTYPE)

Specifies the type of the authentication entries to be viewed.

- **ALL** View all authentication entries for this user.
- **NETWARE3** View all NetWare 3.x server authentication entries.
- **NDS** View all NetWare Directory Services tree authentication entries.

#### NDS tree (NDSTREE)

Specifies, for server type *NDS, the name of the NetWare Directory Services tree authentication entries with which to work.

- **ALL** View all NDS authentication entries for this user.

'**name**' Specify the name of the NDS tree entries with which to work.

'**generic-name**'

Specify the generic name of the NDS tree entries with which to work. A generic name is a character string of one or more characters followed by an asterisk (*); for example, ABC*. The asterisk substitutes for any valid characters. A generic name specifies all objects with names that begin with the generic prefix for which the user has authority. If an asterisk is not included with the generic (prefix) name, the system assumes it to be the complete object name.
Server (SERVER)

Specifies, for server type *NETWARE3, the server authentication entries you want to work with.

*ALL  View all NetWare 3.12 server authentication entries for this user.

'name'  Specify the name of the server entry with which to work.

generic-name'

Specify the generic name of the server entries with which to work. A generic name is a character string of one or more characters followed by an asterisk (*); for example, ABC*. The asterisk substitutes for any valid characters. A generic name specifies all objects with names that begin with the generic prefix for which the user has authority. If an asterisk is not included with the generic (prefix) name, the system assumes it to be the complete object name.

User profile (USRPRF)

Specifies the user profile containing the authentication entries.

*CURRENT

Use the current user profile.

name  Specify the name of the user profile. The user profile must be the current user profile, or the user must have *USE and *OBJMGT authority to the user profile, and *SECADM special authority.

Examples

WRKNTWAUTE   SVRTYPE(*NDS)

This command displays a list of all NetWare Directory Services tree authentication entries for the current user.

Error messages

*ESCAPE Messages

CPF2217

Not authorized to user profile &1.
Work with NetWare Connections (WRKNTWCNN)

Where allowed to run: Interactive environments (*.INTERACT
*IPGM *IREXX *EXEC)

Threadsafe: No

The Work with NetWare Connections (WRKNTWCNN) command allows a user to work with active NetWare connections. This command can be used to work with NetWare connections to do the following:

1. Display a list of connections originating from the local system started by a specific user to one or more servers in the network.
2. Display a list of connections originating from the local system started by all users to one or more servers in the network.
3. Display a list of all active NetWare connections for a specific NetWare server in the network regardless of where the connection originated.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>SERVER</td>
<td>Server</td>
<td>Character value, *ALL</td>
<td>Required, Positional 1</td>
</tr>
<tr>
<td>CGY</td>
<td>Category</td>
<td>*LOCAL, *SERVER</td>
<td>Optional</td>
</tr>
<tr>
<td>USRPFRF</td>
<td>User profile</td>
<td>Simple name, *ALL, *CURRENT</td>
<td>Optional</td>
</tr>
</tbody>
</table>

Server (SERVER)

Specifies one or all NetWare servers whose connections are to be displayed.

*ALL Connections originating from the iSeries to all NetWare servers will be displayed.

*character-value Specify the name of an active server defined for the network.

Category (CGY)

Specifies what category of NetWare connections to work with.

*LOCAL Only those NetWare connections originating from the iSeries are displayed.

*SERVER Specifies that connections to a particular NetWare server are displayed.
User profile (USRPRF)

Specifies an iSeries user profile whose connections are to be worked with. Only those connections originating from the local system are displayed. This parameter is ignored when CGY(*SERVER) is specified.

*ALL    NetWare connections started by all iSeries users on the system will be worked with.
*CURRENT All NetWare connections started by the current user profile are worked with.
name    Specify the name of an iSeries user profile whose connections are to be worked with.

Examples

None

Error messages

None
Work with NetWare Volumes (WRKNTWVOL)

Where allowed to run: Interactive environments (*INTERACT *IPGM *IREXX *EXEC)
Threadsafe: No

The Work with NetWare Volumes (WRKNTWVOL) command displays the Work with NetWare Volumes display which lists the volumes for a server and allows the user to create, change, delete, display, and print volumes. The ‘change’ option on the Work with NetWare Volumes display is used to mount and dismount volumes as well as increase the size of a volume.

Restrictions: You must have *IOSYSCFG special authority to use this command.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>SERVER</td>
<td>Server</td>
<td>Character value</td>
<td>Required, Positional 1</td>
</tr>
<tr>
<td>VOL</td>
<td>Volume</td>
<td>Character value, *ALL</td>
<td>Optional, Positional 2</td>
</tr>
</tbody>
</table>

Server (SERVER)

Specifies the server for which volumes are listed. A server name must be specified.

Volume (VOL)

Specifies the volume to be listed.

*ALL All volumes for the specified server are listed.

generic-name Specify the generic name of the volumes to be listed.

name Specify the name of the volume to be listed.

Examples

WRKNTWVOL SERVER(SERVER1) VOL(ACCT*)

This command displays the Work with NetWare Volumes panel, showing a list of volumes for SERVER1. Only those volumes whose name begins with the letters ‘ACCT’ are shown.
Error messages

None
Work with Network Interfaces (WRKNWID)

Where allowed to run: Interactive environments (*INTERACT
*IPGM *IREXX *EXEC)
Threadsafe: No

The Work with Network Interface Descriptions (WRKNWID) command provides an interactive interface to network interface description functions through the Work with Network Interface Descriptions display. This command displays the Work with Network Interface Descriptions menu.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
</table>

Network interface description (NWID)

This is a required parameter.

Specifies the network interface descriptions to be worked with.

*ALL  All network interface descriptions are worked with.
*ATM  The user can work with asynchronous transfer mode (ATM) network interfaces.
*FR   The user can work with frame relay network interfaces.
*ISDN The user can work with integrated services digital network interfaces.

generic*-name

Specify the generic name of the network interface description to be worked with. A generic name is a character string that contains one or more characters followed by an asterisk (*). If a generic name of a network interface description is specified, all network interface descriptions that have names with the same prefix as the generic network interface description are worked with.

network-interface-name

Specify the name of the network interface description to be worked with.

Examples

WRKNWID NWID(NET1)

This command displays the Work with Network Interface Descriptions panel with an entry for network interface 'NET1'. If NET1 does not exist, no entries are displayed.
Error messages

None
Work with NWS Configuration (WRKNWSCFG)

Where allowed to run: Interactive environments (*INTERACT
*IPGM *IREXX *EXEC)
Threadsafe: No

The Work with NWS Configuration (WRKNWSCFG) command allows you to work with a network server configuration.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>NWSCFG</td>
<td>Network server configuration</td>
<td>Generic name, name, *ALL</td>
<td>Optional, Positional 1</td>
</tr>
<tr>
<td>TYPE</td>
<td>Configuration type</td>
<td>*ALL, *CNNSEC, *RMTSYS, *SRVPRC</td>
<td>Optional</td>
</tr>
</tbody>
</table>

Network server configuration (NWSCFG)

Specifies the name of the network server configuration.

*ALL    All network server configurations are worked with.

generic-name
    Specify a generic network server configuration name.

name    Work with a specific network server configuration.

Type (TYPE)

Specifies the type of configuration to work with.

*ALL    All network server configurations types are worked with.

*CNNSEC
    All connection security network server configurations are worked with.

*RMTSYS
    All remote system network server configurations are worked with.

*SRVPRC
    All service processor network server configurations are worked with.

Examples

WRKNWSCFG NWSCFG(*ALL)
This command displays the Work with NWS Configuration panel with entries for all network server configurations. If no network server configurations exist, no entries are shown.

**Error messages**

*ESCAPE Messages*

None
Work with Network Servers (WRKNWSD)

Where allowed to run: Interactive environments (*INTERACT
*IPGM *IREXX *EXEC)
Threadsafe: No

The Work with Network Server Descriptions (WRKNWSD) command shows the Work with Network Server Descriptions display, which provides an interactive interface to network server description functions.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>NWSD</td>
<td>Network server description</td>
<td>Generic name, name, *ALL</td>
<td>Optional,</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Positional 1</td>
</tr>
</tbody>
</table>

Network server description (NWSD)

Specifies the network server descriptions to work with.

*ALL The user can work with all network server descriptions.

generic*-network-server-description-name

Specify the generic name of the network server description. A generic name is a character string of one or more characters followed by an asterisk (*); for example, ABC*. The asterisk substitutes for any valid characters. A generic name specifies all objects with names that begin with the generic prefix for which the user has authority. If an asterisk is not included with the generic (prefix) name, the system assumes it to be the complete object name.

network-server-description-name

Specify the name of the network server description to work with.

Examples

WRKNWSD NWSD(*ALL)

This command displays the Work with Network Server Descriptions panel with entries for all network server descriptions. If no network server descriptions exist, no entries are shown.

Error messages

None
The Work with Network Server User Enrollment (WRKNWSENR) command works with a list of user profiles that the iSeries administration support has enrolled, or is currently enrolling, into the network.

The information displayed differs depending on the value of the SVRTYPE parameter.

1. If SVRTYPE(*NWSA) is specified, the display shown depends on the value specified for the DFTSVRTYPE parameter in the network server attributes (CHGNWSA command). The DFTSVRTYPE values that are supported are *WINDOWS, *WINDOWSNT, and *NETWARE.

2. If SVRTYPE(*NWSUSRA) is specified, the display shown depends on the value specified for the DFTSVRTYPE parameter in the network server user attributes (CHGNWSUSRA command) for the current user. The value in the network server user attributes that are valid for this command are *WINDOWS, *WINDOWSNT, and *NETWARE.

3. If SVRTYPE(*WINDOWS) or (*WINDOWSNT) is specified, enrollment information is shown for i5/OS users enrolled into Windows domains and local servers.

4. If SVRTYPE(*NETWARE) is specified, the display works with enrollment information for those i5/OS users being enrolled into NetWare Directory Services trees.

In general, the Work with Network Server User Enrollment display shows a list of servers or NetWare Directory Services trees and the current enrollment status for a list of i5/OS profiles being enrolled into each server or NetWare Directory Services tree.

Specific options are available to work with individual profiles in the list. These options provide functions such as changing user profiles and changing network server user attributes.

### Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>USRPRF</td>
<td>User profile</td>
<td>Generic name, name, *ALL</td>
<td>Optional, Positional 1</td>
</tr>
<tr>
<td>PRFTYPE</td>
<td>Profile type</td>
<td>*USER, *GROUP</td>
<td>Optional, Positional 2</td>
</tr>
<tr>
<td>NDSTREE</td>
<td>NDS tree</td>
<td>Character value, *ALL, *NWSA, *NONE</td>
<td>Optional</td>
</tr>
<tr>
<td>SERVER</td>
<td>Server</td>
<td>Character value, *ALL, *NWSA, *NONE</td>
<td>Optional</td>
</tr>
<tr>
<td>DOMAIN</td>
<td>Domain</td>
<td>Character value, *ALL, *NWSA, *NONE</td>
<td>Optional</td>
</tr>
</tbody>
</table>

### User profile (USRPRF)

Specifies the name of a profile.
The enrollment status for all profiles is displayed.

Specify the generic name of the profile to be displayed. A generic name is a character string of one or more characters followed by an asterisk (*); for example, ABC*. If a generic name is specified, then all users with names that begin with the generic name, and for which the user has authority, are shown. If an asterisk is not included with the generic (prefix) name, the system assumes it to be the complete user name.

Specify the name of a profile to be displayed.

Profile type (PRFTYPE)

Specifies which enrollment status should be displayed.

*USER

A list of i5/OS users and their enrollment status is displayed. From this display an alternate view is available which will show, for each user in this list, a list of i5/OS groups the user belongs to, provided the group is currently being enrolled into that server or NetWare Directory Services tree.

*GROUP

A list of i5/OS groups and their enrollment status is displayed. An alternate view is available to display for each group in the list, those members of each group that are currently being enrolled into the server or NetWare Directory Services tree.

Server type (SVRTYPE)

Specifies which type of server to work with.

*NWSUSRA

The server type from the network server user attributes (CHGNWSUSRA command) for the user profile running the WRKNWSENRE command is used.

*NWSA

The server type in the network server attributes (CHGNWSA command) is used.

*WINDOWS or *WINDOWSNT

Specifies that a list of users and groups enrolled into Windows domains and local servers are displayed.

Note: *WINDOWS should be used in V5R4 and later releases. The *WINDOWSNT value is supported for compatibility with releases prior to V5R4.

*NETWARE

The enrollment status for those profiles being enrolled into a NetWare network are displayed.

NDS tree (NDSTREE)

Specifies which NetWare Directory Services trees to work with.

*ALL

All NetWare Directory Services trees that have users enrolled are listed.
*NWSA
The enrollment information for all the NetWare Directory Services trees identified by the NDSTREELST parameter in the network server attributes are displayed.

*NONE
No enrollment information is listed for any NetWare Directory Services trees.

generic*-tree-name
Specify the generic name of NetWare Directory Services trees that have users enrolled.

'NDS tree-name'
Specify the name of a specific NetWare Directory Services tree that has users enrolled.

Server (SERVER)
Specifies which network servers to work with.

*ALL All servers that have users enrolled are listed.

*NWSA The enrollment information for all the servers identified in the network server attributes is displayed.

For *WINDOWS or *WINDOWSNT servers, the enrollment information for all servers defined by the WNTLCLSVEL parameter are displayed.

*NONE No enrollment information is listed for any servers. This is valid only when SVRTYPE(*NETWARE) is specified.

generic*-server-name
Specify the generic name of the server.

server-name
Specify the name of a specific server.

Domain (DOMAIN)
Specifies which Windows domains to work with.

*ALL All domains that have users enrolled are listed.

*NWSA The enrollment information for all the Windows domains identified by the WNTDMNLSLST parameter in the system network server attributes are displayed.

*NONE No enrollment information is listed for any Windows domains. Only the enrollment information for local Windows servers is displayed based on the SERVER parameter.

generic*-domain-name
Specify the generic name of Windows domains that have users enrolled.

'domain-name'
Specify the name of a specific Windows domain that has users enrolled.
Examples

Example 1: Working with Windows User Enrollment

WRKNWSENR  SVRTYPE(*WINDOWS)  DOMAIN(DMN*)  SERVER(SRV*)

This command displays a list of all i5/OS users that the i5/OS user enrollment support has enrolled into all Windows domains whose name starts with ‘DMN’ and all local servers that start with ‘SRV’.

Example 2: Working with NetWare NDS Tree User Enrollment

WRKNWSENR  SVRTYPE(*NETWARE)  NDSTREE(TREE1)  SERVER(*NONE)

This command displays a list of all i5/OS users that the i5/OS user enrollment support has enrolled into NetWare Directory Services TREE1.

Error messages

*ESCAPE Messages

CPFA45A

Network server users not displayed.
Work with NWS Storage Spaces (WRKNWSSTG)

Where allowed to run: Interactive environments (*INTERACT
*IPGM *IREXX *EXEC)
Threadsafe: No

The Work with Network Server Storage Spaces (WRKNWSSTG) command works with network server storage spaces using the Work with Network Server Storage Spaces display. There are options available to create, delete, display, and print storage spaces. You can also add and remove links to network server descriptions. The copy option can be chosen to create and copy an existing storage space into a newly created one.

The Work with Network Server Storage Spaces display shows information about the format of the storage spaces (*NTFS, *FAT, *FAT32, *NTFSQR, *OPEN), their size, the network server descriptions to which they are linked (if any), the auxiliary storage pool they exist in, and, if linked, the drive sequence.

### Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>NWSSTG</td>
<td>Network server storage space</td>
<td>Generic name, name, *ALL</td>
<td>Optional, Positional 1</td>
</tr>
<tr>
<td>NWSD</td>
<td>Network server description</td>
<td>Name</td>
<td>Optional, Positional 2</td>
</tr>
</tbody>
</table>

### Network server storage space (NWSSTG)

Specifies the name of the network server storage spaces listed.

*ALL     All network server storage spaces listed.

generic*network-server-storage-space

Specify the generic name of the network server storage space listed.

network-server-storage-space

Specify the name of the network server storage space listed.

### Network server description (NWSD)

Specifies the name of the network server description for which storage spaces are listed. When this parameter is specified, only storage spaces linked to this network server description are shown.

### Examples

WRKNWSSTG NWSSTG(*ALL) SERVER(SERVER1)
This command displays the Work with Network Server Storage Spaces panel, showing the list of storage spaces linked to network server SERVER1.

**Error messages**

None
Work with NWS Status (WRKNWSSTS)

Where allowed to run: Interactive environments (*INTERACT
   *IPGM *IREXX *EXEC)

Threadsafe: No

The Work with Network Server Status (WRKNWSSTS) command displays a list of servers and their current status. Specific options are available to work with individual servers in the list. These options provide functions such as displaying active users, restarting a server, displaying statistics, and so on. The display that appears differs depending on the value of the SVRTYPE parameter.

1. If SVRTYPE(*NWSUSRA) is specified, the display shown depends on the value specified for the SVRTYPE parameter in the network server user attributes (CHGNWSUSRA command) for the current user.

2. If SVRTYPE(*NWSA) is specified, the display shown depends on the value specified for the SVRTYPE parameter in the network server attributes (CHGNWSA command).

3. If SVRTYPE(*WINDOWS) or (*WINDOWSNT) is specified, the display shows options and information relevant to local NWSDs that were created as Windows servers.

4. If SVRTYPE(*NETWARE) or SVRTYPE(*NDS) is specified, the display shows options and information relevant to NetWare servers. Only NetWare servers in NDS trees are listed.

5. If SVRTYPE(*LINUX) or (*AIX) is specified, the display shows options and information relevant for NWSDs running Linux or AIX operating systems. If the NWSD server type is *GUEST, then the Status is shown only. The Display details option will not be available to be selected.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>SERVER</td>
<td>Server</td>
<td>Character value, *ALL</td>
<td>Optional, Positional 1</td>
</tr>
</tbody>
</table>

Server (SERVER)

Specifies the name of a server.

*ALL  All local servers and all remote ‘active’ servers are displayed.

generic*-server-name  Specify the generic name of the server.

server-name  Specify the name of a specific server.
Server type (SVRTYPE)

Specifies which type of server to work with. The Work with Network Server Status display lists either NetWare servers, or Windows servers.

*NWSUSRA
The type of servers to list is specified in the network server user attributes (CHGNWSUSRA command).

*NWSA
The type of servers to list is specified in the network server attributes (CHGNWSA command).

*WINDOWS or *WINDOWSNT
A list of Windows servers is displayed.

Note: *WINDOWS should be used in V5R4 and later releases. The *WINDOWSNT value is supported for compatibility with releases prior to V5R4.

*NETWARE or *NDS
A list of NetWare servers in the NetWare Directory Services (NDS) trees is displayed.

*LINUX or *AIX
A list of NWSDs with Linux or AIX operating system is displayed.

Note: If the NWSD server type is *GUEST, then the Status is shown only. Display details option is not available to be displayed.

Examples

WRKNWSSTS SERVER(SERVER2) SVRTYPE(*WINDOWS)

This command displays the Work with Network Server Status panel for a Windows server named SERVER2.

WRKNWSSTS SERVER(SERVER1) SVRTYPE(*NETWARE)

This command displays the Work with Network Server Status panel for a NetWare server named SERVER1.

Error messages

*ESCAPE Messages

CPFA451
Server name too long.
**Work with Objects (WRKOBJ)**

Where allowed to run: Interactive environments (*INTERACT
*IPGM *IREXX *EXEC)

Threadsafe: No

The Work with Objects (WRKOBJ) command shows a list of objects from one or more libraries.

The object name, object type, library name, object attribute, and short text description for the object are shown for each listed object. The data attributes and the actual data in the object are not shown. From this list, several object-oriented options can be performed.

**Restrictions:**
- Only the libraries to which you have use (*USE) authority will be searched.
- Only the objects to which you have some authority will be shown on the display.
- To perform operations on the objects, you must have *USE authority to the command used by the operation, and the appropriate authority to the objects on which the operation is to be performed.

### Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>OBJ</td>
<td>Object</td>
<td>Qualified object name</td>
<td>Required, Positional 1</td>
</tr>
<tr>
<td></td>
<td>Qualifier 1: Object</td>
<td>Generic name, name, *ALL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Optional, Positional 2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Object (OBJ)**

Specifies the objects to be shown on the Work with Objects display.

This is a required parameter.

**Qualifier 1: Object**
*ALL  All objects of the object types specified for the **Object type (OBJTYPE)** parameter.

**generic-name**
Specify the generic name of the object to be shown. A generic name is a character string that contains one or more characters followed by an asterisk (*). If a generic name is specified, all objects that have names with the same prefix as the generic name are shown.

**name**  Specify the name of the object to be shown.

**Qualifier 2: Library**

*LIBL  All libraries in the library list for the current thread are searched. All objects in these libraries with the specified object name are shown.

*CURLIB*
The current library for the thread is searched. If no library is specified as the current library for the thread, the QGPL library is searched.

*USRLIBL*
If a current library entry exists in the library list for the current thread, the current library and the libraries in the user portion of the library list are searched. If there is no current library entry, only the libraries in the user portion of the library list are searched.

**ALLUSR**
All user libraries are searched. All libraries with names that do not begin with the letter Q are searched except for the following:

- #CGULIB
- #DSULIB
- #SEULIB
- #COBLIB
- #RPGLIB
- #DFULIB
- #SDALIB

Although the following Qxxx libraries are provided by IBM, they typically contain user data that changes frequently. Therefore, these libraries are considered user libraries and are also searched:

- QDSNX
- QRLxxxx
- QUSRJJS
- QUSRvRxMx
- QGPL
- QSRVAFT
- QUSRINFSKR
- QGPL38
- QSYS2
- QUSRNOTES
- QMGT
- QSYS2xxxxxx
- QUSROND
- QMGT
- QSYS2xxxxxx
- QUSROND
- QMPGDATA
- QUSER3B
- QUSRPOSSA
- QMQMDATA
- QUSRADS
- QUSRPOSSR
- QMQPROC
- QUSRBRM
- QUSRROX
- QPFDATA
- QUSRDRCL
- QUSRYS
- QRCL
- QUSRDRDB
- QUSRVI

1. ‘xxxxx’ is the number of a primary auxiliary storage pool (ASP).
2. A different library name, in the format QUSRvRxMx, can be created by the user for each previous release supported by IBM to contain any user commands to be compiled in a CL program for the previous release. For the QUSRvRxMx user library, VxRxMx is the version, release, and modification level of a previous release that IBM continues to support.

**ALL**  All libraries in the system, including QSYS, are searched.

**name**  Specify the name of the library to be searched.

---

**Object type (OBJTYPE)**

Specifies the object type for objects to be shown.

**ALL**  All objects are shown that have an object name that matches the value specified for the **Object (OBJ)** parameter.
object-type

Specify the object type for objects to be listed, such as command (*CMD), file (*FILE), or program (*PGM). To see a complete list of object types when prompting this command, position the cursor on the field for this parameter and press F4 (Prompt).

Examples

WRKOBJ OBJ(X/PAY) OBJTYPE(*ALL)

This command displays the Work with Objects panel, showing all objects for which you authority whose names begin with the letters 'PAY' and are located in library X.

Error messages

*ESCAPE Messages

CPF9809

Library &1 cannot be accessed.

CPF9810

Library &1 not found.

CPF9820

Not authorized to use library &1.
Work with Object Locks (WRKOBJLCK)

Where allowed to run: All environments (*ALL)
Threadsafe: No

The Work with Object Locks (WRKOBJLCK) command allows you to work with the object lock requests in the system for a specified object. You can work with both held locks and locks waiting to be applied.

Restrictions:
1. The user must have *EXECUTE authority to the library containing the object and to the ASP device description. Otherwise, the user must have *JOBCTL special authority.
2. This command does not show record locks for database files.
3. Work station message queues cannot be allocated, and therefore, they will not have any locks. A work station message queue is associated with a work station device description of the same name. Therefore, to determine why an operation that requires the work station message queue to be allocated does not work, the user should see if there are any locks on the device description of the same name.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
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<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>OBJ</td>
<td>Object</td>
<td>Qualified object name</td>
<td>Required, Positional 1</td>
</tr>
<tr>
<td>MBR</td>
<td>Member</td>
<td>Name, *NONE, *FIRST, *ALL</td>
<td>Optional, Positional 3</td>
</tr>
<tr>
<td>ASPDEV</td>
<td>ASP device</td>
<td>Name, *SYSBAS</td>
<td>Optional</td>
</tr>
<tr>
<td>OUTPUT</td>
<td>Output</td>
<td>*PRINT</td>
<td>Optional</td>
</tr>
</tbody>
</table>

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Object (OBJ)

Specifies the name and library of the object for which locks are being displayed.

This is a required parameter.

Qualifier1: Object

name Specify the name of the object.

Qualifier2: Library

*LIBL All libraries in the thread’s library list are searched until a match is found.

*CURLIB The current library for the thread is used to locate the object. If no library is specified as the current library for the thread, the QGPL library is used.

name Specify the name of the library where the object is located.

If a file member is specified for a file, and the file’s library value is *LIBL, the first occurrence of the file in the thread’s library search list is searched for the member. For object types that exist only in library QSYS (for example, *DEVD), QSYS and *LIBL are the only library names that are accepted. When specifying a value other than * for the ASP device (ASPDEV), *LIBL can not be specified.

Object type (OBJTYPE)

Specifies the object type of the object for which locks are being displayed. Specify the predefined value that identifies the object type.

This is a required parameter.

Object-type

Specify the object type. Refer to the Object type (OBJTYPE) parameter of the Work with Objects (WRKOBJ) command for more information.

Member (MBR)

Specifies the member name of a database file. This parameter is valid only when a database file has been specified for the Object (OBJ) parameter.

*NONE No member locks are displayed, but file level locks are displayed. (The display of member locks for all the members in the file can be requested from the file locks display.)

*FIRST The first member in the named database file is displayed.

*ALL Member locks for all the members in the database file are displayed.

name Specify the name of the database file member for which locks are displayed.
**ASP device (ASPDEV)**

Specifies the auxiliary storage pool (ASP) device name where the library that contains the object (specified for the **Object (OBJ)** parameter) is located. If the object’s library resides in an ASP that is not part of the library name space associated with the thread, this parameter must be specified to ensure the correct object is used as the target of the operation.

* The ASPs that are currently part of the thread’s library name space will be searched to locate the object. This includes the system ASP (ASP number 1), all configured basic user ASPs (ASP numbers 2-32), and, if the thread has an ASP group, all independent ASPs in the ASP group.

*SYSBAS

The system ASP and all basic user ASPs will be searched to locate the object. No independent ASPs will be searched, even if the thread has an ASP group.

**name**

The device name of the independent ASP to be searched to locate the object. The independent ASP must have been activated (by varying on the ASP device) and have a status of ‘Active’ or ‘Available’. The system ASP and basic user ASPs will not be searched.

---

**Output (OUTPUT)**

Specifies whether the output from the command is displayed at the requesting work station or printed with the job’s spooled output.

* The output is displayed for interactive jobs or printed with the job’s spooled output for non-interactive jobs.

**PRINT**

The output is printed with the job’s spooled output.

---

**Examples**

**Example 1: Printing Object Lock Information for a File**

```plaintext
WRKOBJLCK OBJ(*LIBL/LOCKEDFILE) OBJTYPE(*FILE) MBR(LOCKEDMBR) OUTPUT(*PRINT)
```

This command prints the lock information for the member named LOCKEDMBR in the file named LOCKEDFILE. The file is located using the library list.

**Example 2: Working With Object Locks for a Library on an Independent ASP**

```plaintext
WRKOBJLCK OBJ(QSYS/LIBNAME) OBJTYPE(*LIB) ASPDEV(PRODXX)
```

This command allows you to work with the lock information for the library LIBNAME located on the independent auxiliary storage pool (ASP) device PRODXX.

---

**Error messages**

**ESCAPE Messages**

**CPFBB8ED**

Device description &1 not correct for operation.
CPF0919
Library in library list damaged.

CPF0924
Cannot use library in library list.

CPF0935
Cannot use member name for object type *&2.

CPF0939
Object &3 type &2 was not found in library &4.

CPF0948
Member &1 file &3 in library &4 not found.

CPF095B
Value for ASPDEV not valid with special value for library.

CPF0950
&2 &3 in library &4 not found.

CPF0951
QSYS only valid library for object type &2.

CPF0952
Library &4 not found for &2 &3.

CPF0953
Library in library list previously deleted.

CPF0958
&2 &3 in library &4 saved with storage freed.

CPF0988
Library &4 damaged.

CPF1093
Override of file device type not valid.

CPF3285
Damage found on file &1 in library &3.

CPF9803
Cannot allocate object &2 in library &3.

CPF9804
Object &2 in library &3 damaged.

CPF9814
Device &1 not found.

CPF9820
Not authorized to use library &1.

CPF9825
Not authorized to device &1.

CPF9845
Error occurred while opening file &1.

CPF9846
Error while processing file &1 in library &2.

CPF9847
Error occurred while closing file &1 in library &2.
CPF9850
Override of printer file &1 not allowed.

CPF9851
Overflow value for file &1 in &2 too small.

CPF9871
Error occurred while processing.
IBM Systems - iSeries: i5/OS Commands Starting with WRKNTWAUTE (Work with NetWare Authentication Entries)
Work with Objects by Owner (WRKOBJOWN)

Where allowed to run: Interactive environments (*INTERACT
*IPGM *IREXX *EXEC)
Threadsafe: No

The Work with Objects by Owner (WRKOBJOWN) command is used to manage objects for any user profile. This command displays objects owned by a user profile and performs the following:

- Edit object authority
- Delete the object
- Display object authority
- Rename the object
- Display the object’s description
- Change the ownership of the object

Restrictions: You must have read (*READ) authority to the specified user profile.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>USRPRF</td>
<td>User profile</td>
<td>Name, *CURRENT</td>
<td>Optional, Positional 1</td>
</tr>
</tbody>
</table>

User profile (USRPRF)

Specifies the user profile whose owned objects are to be shown.

*CURRENT

Objects owned by the user profile that is running the WRKOBJOWN command are shown.

name

Specify the name of the user profile whose owned objects are to be shown.

Examples

Example 1: Working With Objects Owned by the Current User Profile

WRKOBJOWN USRPRF(*CURRENT)

This command displays the Work with Objects by Owner panel, showing a list of the objects owned by the user running this command.

Example 2: Working With Objects Owned by a User Profile

WRKOBJOWN USRPRF(BARTH)
This command displays the Work with Objects by Owner panel, showing a list of the objects owned by user profile BARTH.

---

**Error messages**

*ESCAPE Messages*

**CPFA0AB**

Operation failed for object. Object is &1.

**CPFA1BF**

Object &1 is not accessible.

**CPFA1C0**

Object &1 is not accessible.

**CPF2204**

User profile &1 not found.

**CPF2213**

Not able to allocate user profile &1.

**CPF2217**

Not authorized to user profile &1.
Work Objects by Primary Group (WRKOBJPGP)

Where allowed to run: Interactive environments (*INTERACT
*IPGM *IREXX *EXEC)

Threadsafe: No

The Work with Objects by Primary Group (WRKOBJPGP) command is used to manage objects for which a user is the primary group. This command displays objects for which a user is the primary group and performs the following:

- Edit object authority
- Delete the object
- Display object authority
- Rename the object
- Display the object’s description
- Change the primary group of the object

Restrictions:
- You must have read (*READ) authority to the specified primary group profile.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PGP</td>
<td>Primary group</td>
<td>Name</td>
<td>Required, Positional 1</td>
</tr>
</tbody>
</table>

Primary group (PGP)

Specifies the group profile whose objects are to be worked with.

This is a required parameter.

name Specify the name of the group profile.

Examples

WRKOBJPGP PGP(GROUP01)

This command displays the Work with Objects by Primary Group panel, showing a list of the objects for which group profile GROUP01 is the primary group.
Error messages

*ESCAPE Messages

CPF2204
User profile &1 not found.

CPF2213
Not able to allocate user profile &1.

CPF2217
Not authorized to user profile &1.
**Work Objects by Private Auth (WRKOBJPVT)**

Where allowed to run: Interactive environments (*INTERACT
*IPGM *IREXX *EXEC)
Threadsafe: No

The Work with Objects by Private Authority (WRKOBJPVT) command is used to manage objects for which a user has private authority. This command displays objects for which a user has private authority and performs the following:

- Edit object authority
- Delete the object
- Display object authority
- Rename the object
- Display the object’s description

**Note:** This command may run a long time if the specified user profile has private authority to a large number of objects.

**Restrictions:**
- You must have read (*READ) authority to the specified user profile.

---

### Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>USRPRF</strong></td>
<td>User profile</td>
<td>Simple name, <strong>CURRENT</strong></td>
<td>Optional, Positional 1</td>
</tr>
</tbody>
</table>

**User profile (USRPRF)**

Specifies the user profile whose privately authorized objects are to be shown.

**CURRENT**

Objects to which the user profile that is running the WRKOBJPVT command is privately authorized are shown.

`name` Specify the name of the user profile.

---

### Examples

WRKOBJPVT USRPRF(EMP956)

This command displays the Work with Objects by Private Authority panel, showing a list of the objects for which user profile EMP956 has private authority.
Error messages

*ESCAPE Messages

CPF2204
   User profile &1 not found.

CPF2213
   Not able to allocate user profile &1.

CPF2217
   Not authorized to user profile &1.
Work with OptiConnect Activity (WRKOPCACT)

Where allowed to run: Interactive environments (INTERACT
*IPGM *IREXX *EXEC)
Threadsafe: No

The Work with OptiConnect Activity (WRKOPCACT) command allows you to view information about database transactions, fiber optic bus activity, and connection status for client and server systems. When this command is run, three views of the Work with OptiConnect Activity display are available.

Options are available from the Work with OptiConnect Activity display to vary on or vary off systems or resources in the multisystem fiber optic network.

There are no parameters for this command.

Parameters

None

Examples

WRKOPCACT

This command shows the Work with OptiConnect Activity panel.

Error messages

Unknown
Work with Optical Directories (WRKOPTDIR)

Where allowed to run: Interactive environments (*INTERACT
*IPGM *IREXX *EXEC)
Threadsafe: No

The Work with Optical Directories (WRKOPTDIR) command displays a list of optical directories and provides options to create, to copy, to delete, and to display or print a list of directories and their attributes. This command also allows you to work with files in the directories.

Restrictions:
1. To use this command you must have at least *USE authority to the authorization list securing the volumes containing the optical directories.
2. You must have *CHANGE authority to create, copy, or delete optical directories.
3. If this command is issued for a directory on an optical volume which is in a remote optical server, only the following can be specified:
   - DIR(optical-directory-name)
   - VOL(volume-identifier)
   - SORT(*DIR)
   - SLTLVL(1).

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIR</td>
<td>Optical directory</td>
<td>Character value, *ALL</td>
<td>Optional, Positional 1</td>
</tr>
<tr>
<td>VOL</td>
<td>Volume identifier</td>
<td>Character value, *ALL</td>
<td>Optional, Positional 2</td>
</tr>
<tr>
<td>SORT</td>
<td>Sort by</td>
<td>*DATE, *DIR</td>
<td>Optional, Positional 3</td>
</tr>
<tr>
<td>SLTLVL</td>
<td>Select directory level</td>
<td>Integer, 1, *ALL</td>
<td>Optional</td>
</tr>
<tr>
<td>STRDATE</td>
<td>Starting date</td>
<td>Date, *AVAIL</td>
<td>Optional</td>
</tr>
</tbody>
</table>

Optical directory (DIR)

Specifies the optical directories to be listed.

*ALL All directories in the specified optical volume are listed.

*optical-directory-name Specify the name of a directory.
Volume identifier (VOL)

Specifies the identifier of the volume that contains the directories specified on the DIR parameter.

*ALL  Optical volumes in direct-attached optical devices are listed.

volume-identifier

Specify the volume identifier of the volume to search.

Sort by (SORT)

Specifies how the output for each volume is sorted.

Note: If the optical volume was initialized as a backup volume, this parameter is ignored.

*DATE  The output list is sorted in order by the date that the volume was created, beginning with the most recent date.

*DIR   The output list is sorted in alphabetical order by directory name.

Select directory level (SLTLVL)

Specifies the number of levels of the directory structure to include in the list when SORT(*DIR) is specified.

Note: If the optical volume was initialized as a backup volume, this parameter is ignored.

1  Only first level directories are listed.

*ALL  All directories are listed.

select-directory-level

Specify the number of subdirectory levels for the specified directory. Valid values range from 1 through 32767.

Starting date (STRDATE)

Specifies the starting date for the list when SORT(*DATE) is specified. Only directories created on or before the starting date are listed.

Note: If the optical volume was initialized as a backup volume, this parameter is ignored.

*AVAIL  The directories created on all available dates are included in the output list.

starting-date

Specify the starting date.
Examples

WRKOPTDIR  VOL(VOL01)

This command displays the Work with Optical Directories panel, showing a list of all optical directories on the volume VOL01 sorted by the date they were created.

Error messages

*ESCAPE Messages

OPT1205  Directory not found.

OPT1215  Directory cannot be deleted.

OPT1317  Directory name is too long.

OPT1320  Optical volume &1 in use.

OPT1325  Optical volume format not recognized.

OPT1331  Optical volume &1 not found.

OPT1340  Optical volume &1 not initialized.

OPT1805  Error accessing optical volume index file.

OPT1810  Error accessing optical directory index file.

OPT1815  Internal program error occurred.

OPT2301  Internal system object in use.

*STATUS Messages

OPT1937  Unable to display all requested files.
Starting with WRKNTWAUTE (Work with NetWare Authentication Entries)
Work with Optical Files (WRKOPTF)

Where allowed to run: Interactive environments (*INTERACT *IPGM *IREXX *EXEC)
Threadsafe: No

The Work with Optical Files (WRKOPTF) command displays a list of optical files on the system and provides options to copy, to delete, to rename and to display or print a list of optical files and their attributes.

Restrictions:
1. To use this command you must have *USE authority to the authorization list securing the volume containing the optical files.
2. If this command is issued for an optical volume which is in a remote optical server, only the following can be specified:
   • DIR(optical-directory-name)
   • FILE(*ALL)
   • FILE(file-name)
   • FILE(generic*-file-name)

Parameters

<table>
<thead>
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<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>VOL</td>
<td>Volume identifier</td>
<td>Character value</td>
<td>Required, Positional 1</td>
</tr>
<tr>
<td>DIR</td>
<td>Directory</td>
<td>Character value, *ALL</td>
<td>Required, Positional 2</td>
</tr>
<tr>
<td>FILE</td>
<td>File</td>
<td>Character value, *SELECT, *ALL</td>
<td>Optional, Positional 3</td>
</tr>
<tr>
<td>SLTFILE</td>
<td>Select files</td>
<td>Element list</td>
<td>Optional</td>
</tr>
<tr>
<td></td>
<td>Element 1: From file</td>
<td>Character value, *ALL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Element 2: To file</td>
<td>Character value</td>
<td></td>
</tr>
<tr>
<td>SLTDATE</td>
<td>Select date</td>
<td>Element list</td>
<td>Optional</td>
</tr>
<tr>
<td></td>
<td>Element 1: Date type</td>
<td>*CREATED, *MODIFIED</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Element 2: Starting date and time</td>
<td>Element list</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Element 1: Starting time</td>
<td>Time, *AVAIL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Element 2: Starting date</td>
<td>Date, *BEGIN</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Element 3: Ending date and time</td>
<td>Element list</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Element 1: Ending time</td>
<td>Time, *AVAIL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Element 2: Ending date</td>
<td>Date, *END</td>
<td></td>
</tr>
</tbody>
</table>
**Volume identifier (VOL)**

Specifies the identifier of the optical volume that contains the files to be listed.

**Directory (DIR)**

Specifies the optical directory that contains the files specified to be listed, beginning with the root directory of the volume.

This is a required parameter.

*ALL  All directories on the specified optical volume are listed. If DIR(*ALL) is specified, only optical files contained in the root directory are listed.

*directory-name  Specify the name of a directory.

**File (FILE)**

Specifies the file or files to be listed.

*ALL  All files in the specified directory are listed.

*SELECT  The files in the range specified on the SLTFILE parameter are listed.

Note: This value is ignored for volumes in remote optical servers.

*file-name  Specify the name of a file.

*generic*-file-name  Specify the generic name of the file you want to work with. A generic name is a character string of one or more characters followed by an asterisk (*); for example, ABC*. The asterisk substitutes for any valid characters. A generic name specifies all objects with names that begin with the generic prefix for which the user has authority. If an asterisk is not included with the generic (prefix) name, the system assumes it to be the complete object name.

**Select files (SLTFILE)**

Specifies the range of files to be listed.

Notes:

1. This parameter is valid only if FILE(*SELECT) is specified and is ignored if the optical volume was initialized as a backup volume.
2. This parameter is not valid for remote optical servers.

Element 1: From file

*ALL  All files in the specified directory are selected.
**from-file**
Specify the name of the first file in the name range to be selected.

**generic*-file-name**
Specify the generic name of the optical files to be selected.

**Element 2: To file**
**to-file** Specify the name of the last file in the name range.

*Note:* This value is ignored when the from-file value is *ALL* or generic*.

---

**Select date (SLTDATE)**
Specifies the date and the time range of the files to be selected.

**Notes:**
1. This parameter is valid only if FILE(*SELECT) is specified and is ignored if the optical volume was initialized as a backup volume.
2. This parameter is not valid for remote optical servers.

**Element 1: Date type**

**CREATED**
The files are selected by the dates on which they were created.

**MODIFIED**
The files are selected by the dates on which they were changed.

**Element 2: Starting date and time**

**Element 1: Starting time**

**AVAIL**
The time range includes all possible times before the end time.

**start-time**
Specify the earliest time in the time range.

**Element 2: Starting date**

**BEGIN**
The date of the oldest file is the starting date.

**start-date**
Specify the earliest date in the date range.

**Element 3: Ending date and time**

**Element 1: Ending time**
The time range includes all times after the starting time.

*AVAIL

end-time
Specify the last time in the time range.

Element 2: Ending date

*END The date of the newest file is the ending date.

end-date
Specify the last date in the date range.

Examples

Example 1: Displaying Optical Files in a Root Directory

WRKOPTF VOL(VOL01) DIR(*ALL)

This command displays a list of all optical files in the root directory on the optical volume VOL01.

Example 2: Displaying Optical Files in a Specific Directory

WRKOPTF VOL(VOL02) DIR('/DIR1') FILE(*ALL)

This command displays a list of all optical files in the directory DIR1 on the optical volume VOL02.

Example 3: Displaying Optical Files Created on Specific Dates

WRKOPTF VOL(VOL03) DIR('/DIR2')
FILE(*SELECT) SLTFILE(*ALL)
SLTDATE(*CREATED ('12:01:00' '1/1/94') ('23:59:59' '12/31/94'))

This command displays a list of all optical files in the directory DIR2 on the volume VOL03 created between 12:01:00 on January 1, 1994 and 23:59:59 on December 31, 1994.

Error messages

*ESCAPE Messages

OPT0159
Beginning selection is greater than ending selection.

OPT1115
File not found.

OPT1205
Directory not found.

OPT1212
Directory in use.
OPT1220
File or directory name already exists.

OPT1224
Path length exceeds the maximum of 256 bytes.

OPT1317
Directory name is too long.

OPT1320
Optical volume &1 in use.

OPT1325
Optical volume format not recognized.

OPT1330
Optical volume not found or not useable.

OPT1331
Optical volume &1 not found.

OPT1340
Optical volume &1 not initialized.

OPT1360
Media directory corrupted on optical volume &1.

OPT1460
Optical volume &1 is not in an optical device.

OPT1463
Operation not completed, optical volume is not a primary volume.

OPT1489
Volume parameter is not permitted for device &1.

OPT1530
&1 does not represent a valid optical device.

OPT1555
Optical device &1 in use.

OPT1605
Media or device error occurred.

OPT1640
Error occurred reading files or directories.

OPT1790
Operation not allowed or conflicts with another request.

OPT1805
Error accessing optical volume index file.

OPT1810
Error accessing optical directory index file.

OPT1815
Internal program error occurred.

OPT1820
Internal error occurred on optical device &1.

OPT1821
Error occurred on optical device &1.
OPT1825
Optical indexes are incorrect for optical device &1.

OPT1860
Request to optical device &1 failed.

OPT1861
No device description configured for resource &1.

OPT1862
No active device description for resource &1.

OPT1863
Optical libraries need to be reclaimed.

OPT1872
Optical request timed out or was cancelled.

OPT2301
Internal system object in use.

OPT7740
User not authorized to object &2 in library &3 type &4.
Work with Optical Volumes (WRKOPTVOL)

Where allowed to run: Interactive environments (*INTERACT
*IPGM *IREXX *EXEC)

Threadsafe: No

The Work with Optical Volumes (WRKOPTVOL) command displays a list of optical volumes and provides options to:
- add an optical cartridge
- remove an optical cartridge
- change optical volume attributes
- display optical volume attributes
- print optical volume attributes
- copy a volume
- initialize a volume
- rename a volume
- delete a volume entry

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEV</td>
<td>Optical device</td>
<td>Name, *ALL</td>
<td>Optional, Positional 1</td>
</tr>
<tr>
<td>VOL</td>
<td>Volume identifier</td>
<td>Character value, *ALL, BACKUP, INDRIVE, REMOVED</td>
<td>Optional, Positional 2</td>
</tr>
<tr>
<td>CSI</td>
<td>Side information</td>
<td>Character value, *ALL, NONE</td>
<td>Optional</td>
</tr>
<tr>
<td>RTVEXTNFO</td>
<td>Retrieve extended information</td>
<td>*NO, *YES</td>
<td>Optional</td>
</tr>
</tbody>
</table>

Optical device (DEV)

Specifies the optical device from which the volumes are listed.

*ALL The volumes in all optical devices are listed.

optical-device-name

Specify the name of an optical device from which the volumes are listed.

Volume identifier (VOL)

Specifies the optical volume identifiers which are listed.

*ALL All optical volume identifiers in the specified optical devices are listed.
*BACKUP
  The optical volumes in the specified optical devices whose type is backup are listed.

*INDRIVE
  Only the volumes which are currently in a drive for the specified optical device are listed.

*REMOVED
  The volumes removed from optical libraries but whose information was kept in the optical index database files are listed.

volume-identifier
  Specify the identifier of a specific volume to be listed.

Side information (CSI)
Specifies the communications side information objects representing the optical servers in the optical configuration from which the volumes are listed. This parameter is valid only when DEV(*ALL) is specified.

*ALL  The names of volumes for all remote optical servers are listed.
*NONE  No volumes are listed for remote optical servers.

communications-side-information-object-name
  Specify the name of the communications side information object representing the optical server for which volumes are listed.

Retrieve extended information (RTVEXTINFO)
Specifies whether extended volume information, such as location of the volume and the percentage of the volume used, is retrieved.

*NO   No extended volume information is retrieved.
*YES  The extended volume information is retrieved.

Examples
Example 1: Displaying Optical Volumes in an Optical Device
WRKOPTVOL  DEV(OPT01)
This command displays the Work with Optical Volumes panel, showing a list of all optical volumes in the optical device OPT01.

Example 2: Displaying Optical Volumes in a Remote Server
WRKOPTVOL  DEV(*ALL)  VOL(*ALL)  CSI(LAN01)
This command displays the Work with Optical Volumes panel, showing a list of all optical volumes in the optical server LAN01.
**Error messages**

*ESCAPE Messages*

**OPT1530**
&1 does not represent a valid optical device.

**OPT1805**
Error accessing optical volume index file.

**OPT1815**
Internal program error occurred.

**OPT1860**
Request to optical device &1 failed.

**OPT2301**
Internal system object in use.
IBM Systems - iSeries: i5/OS Commands Starting with WRKNTWAUTE (Work with NetWare Authentication Entries)
Work with Order Information (WRKORDINF)

**Where allowed to run:** Interactive environments (*INTERACT
*IPGM *IREXX *EXEC)
**Threadsafe:** No

The Work with Order Information (WRKORDINF) command lets you:
- automatically create an order information file for the system each time the command is run
- copy the order information files to selected media
- copy the order information files from selected media
- send order information files for this or any other AS/400 system to IBM

**Restrictions:**
1. To use this command, you must be signed on as QSYSOPR or QSRV, or have *ALLOBJ authority.
2. This command is shipped with public *EXCLUDE authority.

There are no parameters for this command.

### Parameters
None

### Examples
WRKORDINF

This command displays the Work with Order Information menu.

### Error messages
None
Work with Order Requests (WRKORDRQS)

Where allowed to run: Interactive environments (*INTERACT
*IPGM *IREXX *EXEC)
Threadsafe: No

The Work with Order Requests (WRKORDRQS) command manages the order log on the AS/400. The order assistance requests are created with the Request Order Assistance (RQSORDAST) command and logged in the order log. Using the WRKORDRQS command you can display, send, answer, delete, and print order assistance requests.

Within an APPN network, the WRKORDRQS command sends and answers order assistance requests to other AS/400 systems.

There are no parameters for this command.

Parameters

None

Examples

WRKORDRQS

This command displays the Work with Order Requests panel, showing the list of previously submitted order assistance requests. The first item in the list is the most recently updated item.

Error messages

None
Work with Output Queue (WRKOUTQ)

Where allowed to run: All environments (*ALL)
Threadsafe: No

The Work with Output Queues (WRKOUTQ) command allows the user to display and work with either the overall status of all output queues or all output queues that match the qualified generic name specified and to which the user is authorized, or the detailed status of a specific output queue. The status of the queues may change while the command is being run.

Parameters

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>OUTQ</td>
<td>Output queue</td>
<td>Single values: *ALL, Other values: Qualified object name</td>
<td>Optional, Positional 1</td>
</tr>
<tr>
<td></td>
<td>Qualifier 1: Output queue</td>
<td>Generic name, name</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Qualifier 2: Library</td>
<td>Name, *LIBL, *CURLIB, *ALL</td>
<td></td>
</tr>
<tr>
<td>OUTPUT</td>
<td>Output</td>
<td>*PRINT</td>
<td>Optional, Positional 2</td>
</tr>
</tbody>
</table>

Output queue (OUTQ)

Specifies either that the status of all output queues or all output queues that match the qualified generic name specified is shown, or specifies the qualified name of a single output queue for which the status is shown.

Note: When a generic output queue name is specified and qualified with a library name, the overall status of all output queues that match the generic name is shown even if there is only one output queue that matches the generic name.

Single values

*ALL A list of all output queues is displayed with information about each output queue. If *ALL is specified, no value can be specified for a library name because *ALL provides a list of all output queues in every library on the system.

Qualifier 1: Output queue

generic-name

Specify the generic name of the output queues whose detailed status information are to be displayed. A list of all spooled files on the output queue is displayed with information about each spooled file.

name

Specify the name of the output queue whose detailed status information is to be displayed. A list of all spooled files on the output queue is displayed with information about each spooled file.

Qualifier 2: Library
*LIBL  All libraries in the library list for the current thread are searched until the first match is found.

*CURLIB  The current library for the job is used to locate the output queue.

*ALL   All libraries in the system, including QSYS, are searched.

Note: When *ALL is specified for the library, the overall status of the output queues is shown even if only one output queue is found.

name  Specify the name of the library where the output queue is located.

Output (OUTPUT)

Specifies whether the output from the command is displayed at the requesting work station or is printed with the job’s spooled output on a printer.

*   The output is displayed (if requested by an interactive job) or printed with the job’s spooled output (if requested by a batch job).

*PRINT  The output is printed with the job’s spooled output on a printer.

Examples

Example 1: Working with Status Information for Specific Output Queue

WRKOUTQ OUTQ(QGPL/QPRINT)

This command displays the Work with Output Queue panel for output queue QPRINT in library QGPL. Each spooled file on the QPRINT output queue is shown.

Example 2: Searching for Output Queues Using a Generic Name

WRKOUTQ OUTQ(QGPL/QPRI*)

This command displays the Work with All Output Queues panel, showing a list of all output queues whose names start with the letters ‘QPRI’ and exist in the QGPL library.

Error messages

*ESCAPE Messages

CPF2207   Not authorized to use object &1 in library &3 type *&2.

CPF3302   Override of print file &1 to file &2 not valid.

CPF3330   Necessary resource not available.

CPF3357   Output queue &1 in library &2 not found.
CPF7D41
   Error occurred while logging order assistance request.

CPF7D42
   Error occurred while performing database operation.

CPF9845
   Error occurred while opening file &1.

CPF9846
   Error while processing file &1 in library &2.

CPF9871
   Error occurred while processing.
**Work with OUTQ Description (WRKOUTQD)**

*Where allowed to run:* All environments (*ALL)*  
*Threadsafe:* No

The Work with Output Queue Description (WRKOUTQD) command shows the description of the specified output queue. The description of the queue may change while the command is being run.

### Parameters

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<tr>
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<th>Notes</th>
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</thead>
<tbody>
<tr>
<td><strong>OUTQ</strong></td>
<td>Output queue</td>
<td>Qualified object name</td>
<td>Required, Positional 1</td>
</tr>
<tr>
<td></td>
<td>Qualifier 1: Output queue</td>
<td>Name</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Qualifier 2: Library</td>
<td>Name, *LIBL, *CURLIB</td>
<td></td>
</tr>
<tr>
<td><strong>OUTPUT</strong></td>
<td>Output</td>
<td>*, *PRINT</td>
<td>Optional, Positional 2</td>
</tr>
</tbody>
</table>

### Output queue (OUTQ)

Specifies the output queue whose description is to be displayed.

This is a required parameter.

**Qualifier 1: Output queue**

*name* Specify the name of the output queue whose description is displayed.

**Qualifier 2: Library**

*LIBL* All libraries in the library list for the current thread are searched until the first match is found.  
*CURLIB* The current library for the job is used to locate the output queue.  

*name* Specify the name of the library where the output queue is located.

### Output (OUTPUT)

Specifies whether the output from the command is displayed at the requesting work station or printed with the job’s spooled output on a printer.

* The output is displayed (if requested by an interactive job) or printed with the job’s spooled output (if requested by a batch job).  
*PRINT The output is printed with the job’s spooled output on a printer.
Examples
WRKOUTQD OUTQ(QGPL/QPRINT)

This command displays the Work with Output Queue Description panel for the output queue named QPRINT which is in the QGPL library.

Error messages

*ESCAPE Messages

CPF2150
Object information function failed.

CPF2151
Operation failed for &2 in &1 type *&3.

CPF2207
Not authorized to use object &1 in library &3 type *&2.

CPF3302
Override of print file &1 to file &2 not valid.

CPF3330
Necessary resource not available.

CPF3357
Output queue &1 in library &2 not found.

CPF7D41
Error occurred while logging order assistance request.

CPF7D42
Error occurred while performing database operation.

CPF9845
Error occurred while opening file &1.

CPF9846
Error while processing file &1 in library &2.

CPF9871
Error occurred while processing.
Work with Overlays (WRKOVL)

Where allowed to run: Interactive environments (*INTERACT *IPGM *IREXX *EXEC)
Threadsafe: No

The Work with Overlays (WRKOVL) command allows you to work with all of the overlay space objects from the system or user libraries (or both).

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>OVL</td>
<td>Overlay</td>
<td>Qualified object name</td>
<td>Optional, Positional 1</td>
</tr>
<tr>
<td></td>
<td>Qualifier 1: Overlay</td>
<td>Generic name, name, *ALL</td>
<td></td>
</tr>
</tbody>
</table>

Overlay (OVL)

Specifies the overlay to work with. A specific overlay or a generic overlay can be specified.

This is a required parameter.

Qualifier 1: Overlay

*ALL  All overlays are worked with.

generic-name

Specify the generic name of the overlays to work with. A generic name can be specified as a character string that contains one or more characters followed by an asterisk (*). If a generic name is specified, all overlays that have names with the same prefix as the generic overlay name are worked with.

name  Specify the name of the overlay to work with.

Qualifier 2: Library

*LIBL  All libraries in the library list for the current thread are searched. All objects in these libraries with the specified object name are shown.

*CURLIB

The current library for the job is searched for overlays to work with. If no library is specified as the current library for the job, QGPL is used.

*USRSLIBL

If a current library entry exists in the library list for the current thread, the current library and the libraries in the user portion of the library list are searched. If there is no current library entry, only the libraries in the user portion of the library list are searched.
**ALLUSR**

All user libraries are searched. All libraries with names that do not begin with the letter Q are searched except for the following:

#CGULIB  #DSULIB  #SEULIB
#COBLIB  #RPGLIB
#DFULIB  #SDALIB

Although the following Qxxx libraries are provided by IBM, they typically contain user data that changes frequently. Therefore, these libraries are considered user libraries and are also searched:

QDSNX  QRCLxxxx  QUSRRIJS  QUSRVxRxMx
QGPL   QSRVAGT  QUSRINFSKR
QGPL3B  QSYS2   QUSRNOTES
QMTC   QSYS2xxxx  QUSROND
QMTC2  QS36F   QUSRPOGS
QMPDATA QUSER38  QUSRPOSSA
QMMDATA QUSRADSM  QUSRPYMSVR
QMMPROC QUSRBRM  QUSRdadS
QPRDATA QUSRDIRCL  QUSRsys
QRCL   QUSRDIRDB  QUSRVI

1. ‘xxxxx’ is the number of a primary auxiliary storage pool (ASP).
2. A different library name, in the format QUSRVxRxMx, can be created by the user for each previous release supported by IBM to contain any user commands to be compiled in a CL program for the previous release. For the QUSRVxRxMx user library, VxRxMx is the version, release, and modification level of a previous release that IBM continues to support.

**ALL**  All libraries in the system, including QSYS, are searched.

**name**  Specify a library name. Only the library named in this parameter is searched for overlays to work with.

---

**Examples**

WRKOVL OVL(+LIBL/OV*)

This command searches the library list to find the overlay objects whose names begin with the letters ‘OV’. All overlay objects with names beginning with ‘OV’ are shown on the Work with Overlays panel. If no overlay objects beginning with ‘OV’ exist in the library list, the WRKOVL display is shown with a message indicating that an object matching the specified name cannot be found.

---

**Error messages**

***ESCAPE Messages**

CPF9809  Library &1 cannot be accessed.
Work with Page Definitions (WRKPAGDFN)

Where allowed to run: Interactive environments (*INTERACT
*IPGM *IREXX *EXEC)
Threadsafe: No

The Work With Page Definitions (WRKPAGDFN) command displays a list of page definitions. From the display, you can create or delete a page definition, display the name and attributes of a page definition, or change the description of a page definition.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAGDFN</td>
<td>Page definition</td>
<td>Qualified object name</td>
<td>Optional, Positional 1</td>
</tr>
<tr>
<td></td>
<td>Qualifier 1: Page definition</td>
<td>Generic name, name, *ALL</td>
<td></td>
</tr>
</tbody>
</table>

Page definition (PAGDFN)

Specifies the page definition to be listed on the Work with Page Definitions display. Only those page definitions for which you have *READ authority are shown.

This is a required parameter.

Qualifier 1: Page definition

*ALL    All page definitions are listed.

generic-name

Specify the generic name of the page definitions to be listed. A generic name is a character string that contains one or more characters followed by an asterisk (*).

name

Specify the name of the page definition. If *LIBL or *USRLIBL is specified as the library name, only the first page definition found with the specified name is listed.

Qualifier 2: Library

*LIBL   All libraries in the library list for the current thread are searched. All objects in these libraries with the specified object name are shown.

*USRLIBL

If a current library entry exists in the library list for the current thread, the current library and the libraries in the user portion of the library list are searched. If there is no current library entry, only the libraries in the user portion of the library list are searched.

*CURLIB

Only the current library is searched. If no current library entry exists in the library list, QGPL is used.

*ALL    All libraries in the system, including QSYS, are searched.
*ALLUSR

All user libraries are searched. All libraries with names that do not begin with the letter Q are searched except for the following:

#CGULIB  #DSULIB  #SEULIB
#COBLIB  #RPGLIB
#DFULIB  #SDALIB

Although the following Qxxx libraries are provided by IBM, they typically contain user data that changes frequently. Therefore, these libraries are considered user libraries and are also searched:

QDSNX  QRCLxxxxx  QUSRIJS  QUSRVxRxMx
QGPL  QSRVAGT  QUSRINFSKR
QGPL38  QSYS2  QUSRNOTES
QMTC  QSYS2xxxxx  QUSROND
QMGTC2  QS36F  QUSRPOSGS
QMPGDATA  QUSER3B  QUSRPOSSA
QMQMDATA  QUSRADSM  QUSRPMOSVR
QMQMPROC  QUSRBM  QUSRAROS
QPRDDATA  QUSRDIRCL  QUSRYSR
QRCL  QUSRDIRDB  QUSRVI

1. ‘xxxxx’ is the number of a primary auxiliary storage pool (ASP).
2. A different library name, in the format QUSRVxRxMx, can be created by the user for each previous release supported by IBM to contain any user commands to be compiled in a CL program for the previous release. For the QUSRVxRxMx user library, VxRxMx is the version, release, and modification level of a previous release that IBM continues to support.

name Specify the name of the library to be searched.

Examples

WRKPAGDFN  PAGDFN(*CURLIB/P1DFLT)

This command searches the current library for the page definition P1DFLT. If P1DFLT does not exist, the Work with Page Definitions display shows a message indicating that an object matching the specified name cannot be found.

Error messages

None
Work with Page Segments (WRKPAGSEG)

Where allowed to run: Interactive environments (*INTERACT *IPGM *IREXX *EXEC)
Threadsafe: No

The Work with Page Segments (WRKPAGSEG) command allows you to work with all of the page segment space objects from the system or user libraries (or both).

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAGSEG</td>
<td>Page segment</td>
<td>Qualified object name</td>
<td>Optional, Positional 1</td>
</tr>
<tr>
<td></td>
<td>Qualifier 1: Page segment</td>
<td>Generic name, name, *ALL</td>
<td></td>
</tr>
</tbody>
</table>

Page segment (PAGSEG)

Specifies the qualified name of the page segment to work with. A specific page segment or a generic page segment can be specified. Either type can be optionally qualified by a library name.

This is a required parameter.

Qualifier 1: Page segment

*ALL All page segments are worked with.

generic-name Specify the generic name of the page segments to work with. A generic name can be specified as a character string that contains one or more characters followed by an asterisk (*). If a generic name is specified, then all page segments that have names with the same prefix as the generic page segment name are worked with.

name Specify the name of the page segment to work with.

Qualifier 2: Library

*LIBL All libraries in the library list for the current thread are searched. All objects in these libraries with the specified object name are shown.

*CURLIB The current library for the job is searched for page segments to work with. If no library specified as the current library for the job, QGPL is used.

*USRLIBL If a current library entry exists in the library list for the current thread, the current library and the libraries in the user portion of the library list are searched. If there is no current library entry, only the libraries in the user portion of the library list are searched.
*ALLUSR

All user libraries are searched. All libraries with names that do not begin with the letter Q are searched except for the following:

#CGULIB    #DSULIB    #SEULIB
#COBLIB    #RPGLIB    #DFULIB    #SDALIB

Although the following Qxxx libraries are provided by IBM, they typically contain user data that changes frequently. Therefore, these libraries are considered user libraries and are also searched:

QDSNX    QRCLxxxxx    QUSR1JS    QUSRVxRxMx
QGPL     QSRVAGT     QSRINFSKR
QGPL3B    QSYS2    QSRNOTES
QMGTC    QSYS2xxxxx    QSROND
QMGTC2    QS36F    QUSRPOSGS
QMPDATA    QUSER3B    QUSRPOSSA
QMRDATA    QUSRADSM    QUSRPMVSVR
QMSMMPROC    QUSRBRM    QUSRSDARS
QFRDATA    QUSRDIRCL    QUSRYS
QRL    QUSRDIRDB    QUSRVI

1. `xxxxx` is the number of a primary auxiliary storage pool (ASP).
2. A different library name, in the format QUSRVxRxMx, can be created by the user for each previous release supported by IBM to contain any user commands to be compiled in a CL program for the previous release. For the QUSRVxRxMx user library, VxRxMx is the version, release, and modification level of a previous release that IBM continues to support.

*ALL
All libraries in the system, including QSYS, are searched.

ame
Specify a library name. Only the library named in this parameter is searched for page segments to work with.

Examples

Example 1: Working with a Specific Page Segment
WRKPAGSEG    PAGSEG(MYLIB/PAGSEG1)

This command searches library MYLIB for a page segment with the name PAGSEG1. If PAGSEG1 is found, the information for that page segment is shown. If a PAGSEG1 does not exist in MYLIB, a message is shown on the Work with Page Segments display indicating that an object to match the specified name was not found.

Example 2: Searching the Library List for a Page Segment
WRKPAGSEG    PAGSEG(*LIBL/PAGSEG1)

This command searches the library list for the page segment named PAGSEG1. Only the first occurrence of PAGSEG1 is listed.

Error messages

*ESCAPE Messages

CPF9809

Library &1 cannot be accessed.
Work with Protocol Table Entry (WRKPCLTBL)

Where allowed to run: Interactive environments (*INTERACT
*IPGM *IREXX *EXEC)
Threadsafe: No

The Work with Protocol Table Entry (WRKPCLTBL) command is used to show a list of protocol table entries from which you can add, remove, display or print the entries. You can also select to print the list.

The protocol table is used to manage a list of protocols used in the Internet. The Internet is a collection of networks functioning as a single, cooperative, and virtual network using Transmission Control Protocol/Internet Protocol to support peer-to-peer connectivity.

The protocol table is shipped with a list of some valid protocols.

Restrictions:
- You must have input/output system configuration (*IOSYSCFG) special authority to add or remove entries using this command.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROTOCOL</td>
<td>Protocol</td>
<td>Character value, *ALL</td>
<td>Optional, Positional 1</td>
</tr>
<tr>
<td>OUTPUT</td>
<td>Output</td>
<td>* *PRINT</td>
<td>Optional, Positional 2</td>
</tr>
</tbody>
</table>

Protocol (PROTOCOL)

Specifies the protocol entry with which you want to work.

*ALL All protocols in the table are shown or printed.
name Specify the name of the protocol. All entries that match are shown or printed.

Output (OUTPUT)

Specifies whether the output from the command is displayed at the requesting work station or printed with the job’s spooled output.

* The output is displayed for interactive jobs or printed with the job’s spooled output for non-interactive jobs.

*PRINT The output is printed with the job’s spooled output.
Examples

WRKPCLTBL

This command displays the Work with Protocol Table Entries panel, showing a list of all the protocol table entries. You can select to add, remove, display, or print the protocol table entries from this list.

Error messages

None
Work with PEX Definitions (WRKPEXDFN)

Where allowed to run: All environments (*ALL)
Threadsafe: No

The Work with Performance Explorer Definition (WRKPEXDFN) command shows the user the list of existing Performance Explorer (PEX) definitions. You can add new definitions or display, remove, or change existing definitions.

Restrictions:
1. This command is shipped with public *EXCLUDE authority.
2. To use this command you must have *SERVICE special authority, or be authorized to the Service Trace function of i5/OS through iSeries Navigator’s Application Administration support. The Change Function Usage Information (QSYCHFUI) API, with a function ID of QIBM_SERVICE_TRACE, can also be used to change the list of users that are allowed to perform trace operations.
3. The following user profiles have private authorities to use the command:
   - QPGMR
   - QSRV

There are no parameters for this command.

Parameters

None

Examples

WRKPEXDFN

This command displays the Work with Performance Explorer Definitions panel, from which performance explorer (PEX) definitions can be added, changed or removed.

Error messages

None
IBM Systems - iSeries: i5/OS Commands Starting with WRKNTWAUTE (Work with NetWare Authentication Entries)
Work with PEX Filters (WRKPEXFTR)

Where allowed to run: All environments (*ALL)  
Threadsafe: No

The Work with Performance Explorer Filter (WRKPEXFTR) command shows you a list of existing Performance Explorer filters. You can add new filters or display, remove, or change existing filters.

Restrictions:
1. This command is shipped with public *EXCLUDE authority.
2. To use this command you must have *SERVICE special authority, or be authorized to the Service Trace function of i5/OS through iSeries Navigator’s Application Administration support. The Change Function Usage Information (QSYCHFUI) API, with a function ID of QIBM_SERVICE_TRACE, can also be used to change the list of users that are allowed to perform trace operations.
3. The following user profiles have private authorities to use the command:
   • QPGMR
   • QSRV

There are no parameters for this command.

Parameters

None

Examples

WRKPEXFTR

This command displays the Work with Performance Explorer Filters panel, from which performance explorer (PEX) filters can be added or removed.

Error messages

None
Work with PF Constraints (WRKPFCST)

Where allowed to run: Interactive environments (*INTERACT
*IPGM *IREXX *EXEC)
Threadsafe: No

The Work with Physical File Constraints (WRKPFCST) command can be used to show a display from which you can change, remove, or display physical file constraints. You can work with specified types of constraint relationships that are defined for all physical files or a specified physical file.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>FILE</td>
<td>File</td>
<td>Qualified object name</td>
<td>Required, Positional 1</td>
</tr>
<tr>
<td></td>
<td>Qualifier 1: File</td>
<td>Name, *ALL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Qualifier 2: Library</td>
<td>Name, *LIBL, *CURLIB, *ALL</td>
<td></td>
</tr>
</tbody>
</table>

File (FILE)

Specifies the physical file for which you are showing constraint relationships.

Qualifier 1: File

*ALL  All physical files that have constraint relationships are shown.
name  Specify the name of the physical file.

Qualifier 2: Library

*LIBL  All libraries in the library list for the current thread are searched. All objects in these libraries with the specified object name are shown.
*CURLIB The current library for the job is searched. If no library is specified as the current library for the job, the QGPL library is used.
*ALL  All libraries on the system are searched.
name  Specify the name of the library to be searched.

Constraint type (TYPE)

Specifies the type of constraint you are showing.

*ALL  All types of constraint relationships for the specified physical file are shown.
**CHKCST**  
The check constraints are shown.

**REFCST**  
The referential constraints are shown.

**UNQCST**  
The unique constraints are shown.

**PRIKEY**  
The primary key constraints are shown.

**CHKPND**  
The constraint relationships that have records that possibly are in violation of the constraints and are pending verification (check pending) are shown.

---

### Examples

**WRKPFCST**  
FILE(ADMIN/PERSO) FILE(ADMIN/PERSO)  
TYPE(*CHKPND)

This command shows a list of the referential constraints that are in check pending status for the dependent file PERSONNEL located in the library ADMIN.

---

### Error messages

**ESCAPE Messages**

**CPF9809**  
Library &1 cannot be accessed.

**CPF9810**  
Library &1 not found.

**CPF9812**  
File &1 in library &2 not found.

**CPF9820**  
Not authorized to use library &1.

**CPF9822**  
Not authorized to file &1 in library &2.
Work with PF DataLinks (WRKPFDL)

Where allowed to run: Interactive environments (*INTERACT *IPGM *IREXX *EXEC)
Threadsafe: No

The Work with Physical File DataLinks (WRKPFDL) command can be used to show a display from which you can reconcile or display physical file datalinks. You can work with the datalinks that are defined for all physical files or a specified physical file.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>FILE</td>
<td>File</td>
<td>Qualified object name</td>
<td>Required, Positional 1</td>
</tr>
<tr>
<td></td>
<td>Qualifier 1: File</td>
<td>Name, *ALL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Qualifier 2: Library</td>
<td>Name, *LIBL, *CURLIB, *ALL</td>
<td></td>
</tr>
<tr>
<td>DTALNK</td>
<td>DataLinks</td>
<td>*ALL, *LNKPND, *LNK</td>
<td>Optional, Positional 2</td>
</tr>
</tbody>
</table>

File (FILE)

Specifies the physical file for which you are showing DataLinks.

This is a required parameter.

Qualifier 1: File

*ALL    All physical files that have datalink columns defined as FILE LINK CONTROL are shown.

name    Specify the name of the physical file.

Qualifier 2: Library

*LIBL    All libraries in the library list for the current thread are searched. All objects in these libraries with the specified object name are shown.

*CURLIB  The current library for the job is searched. If no library is specified as the current library for the job, the QGPL library is used.

*ALL    All libraries on the system are searched.

name    Specify the name of the library to be searched.

DataLinks (DTALNK)

Specifies which datalinks you are showing.
*ALL All datalinks defined with FILE LINK CONTROL are shown.

*LKPND Datalinks which having pending links are shown.

*LNK Datalinks which are currently linked are shown.

---

**Examples**

WRKPFDL FILE(ADMN/*ALL) DTALNK(*LNKPND)

This command shows a list of all physical files in the ADMN library that are in link pending status.

---

**Error messages**

*ESCAPE Messages*

CPF9809 Library &1 cannot be accessed.

CPF9810 Library &1 not found.

CPF9812 File &1 in library &2 not found.

CPF9820 Not authorized to use library &1.

CPF9822 Not authorized to file &1 in library &2.
The Work with Programs (WRKPGM) command allows you to show a list of programs from one or more libraries.

**Restrictions:**
- Only the libraries to which you have use (*USE) authority will be searched.
- Only the programs to which you have object operational (*OBJOPR) authority will be shown.
- To perform operations on the programs, you must have *USE authority to the command used by the operation, and the appropriate authority to the programs on which the operation is to be performed.

**Parameters**

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PGM</td>
<td>Program</td>
<td>Qualified object name</td>
<td>Required,</td>
</tr>
<tr>
<td></td>
<td>Qualifier 1: Program</td>
<td>Generic name, name, *ALL</td>
<td>Positional 1</td>
</tr>
<tr>
<td>PGMATR</td>
<td>Program attribute</td>
<td>*ALL, ASM38, BAS, BAS38, CBL, CBLL, CBL36, CBL38, CLE, CLLE, CLP, CLP38, CPPLE, CSP, DFU, DFUEXC, DFUNOTEXC, FTN, PAS, PAS38, PLI, PLI38, RMC, RPG, RPGLE, RPG36, RPG38</td>
<td></td>
</tr>
</tbody>
</table>

**Program (PGM)**

Specifies the programs to be shown.

This is a required parameter.

**Qualifier 1: Program**

*ALL  All programs are shown.

generic-name

Specify the generic name of the programs to be shown. A generic name is a character string that contains one or more characters followed by an asterisk (*). If a generic name is specified, all programs that have names with the same prefix as the generic name are shown.

name  Specify the name of the program to be shown.

**Qualifier 2: Library**

*LIBL  All libraries in the library list for the current thread are searched. All objects in these libraries with the specified object name are shown.
**CURLIB**

The current library for the thread is searched. If no library is specified as the current library for the thread, the QGPL library is searched.

**USRLIBL**

If a current library entry exists in the library list for the current thread, the current library and the libraries in the user portion of the library list are searched. If there is no current library entry, only the libraries in the user portion of the library list are searched.

**ALLUSR**

All user libraries are searched. All libraries with names that do not begin with the letter Q are searched except for the following:

- *CGULIB*
- *DSULIB*
- *SEULIB*
- *COBLIB*
- *RPGLIB*
- *DFULIB*
- *SDLIB*

Although the following Qxxx libraries are provided by IBM, they typically contain user data that changes frequently. Therefore, these libraries are considered user libraries and are also searched:

- QDSNX
- QRCxxxx
- QUSRIJS
- QUSRVxRxMx
- QGPL
- QSVRAGT
- QUSRINFSKR
- QGPL38
- QSYS2
- QUSRNOTES
- QMPGDATA
- QUSRPOSGS
- QMQMDATA
- QUSRPOSSA
- QMQMPROC
- QUSRBRM
- QUSRPOSSA
- QUSRPOSGS
- QUSR一二
- QUSRDIRDB
- QUSRDIRCL
- QUSRVI

1. 'xxxxx' is the number of a primary auxiliary storage pool (ASP).
2. A different library name, in the format QUSRVxRxMx, can be created by the user for each previous release supported by IBM to contain any user commands to be compiled in a CL program for the previous release. For the QUSRVxRxMx user library, VxRxMx is the version, release, and modification level of a previous release that IBM continues to support.

**ALL**

All libraries in the system, including QSYS, are searched.

*name* Specify the name of the library to be searched.

---

**Program attribute (PGMATR)**

Specifies whether only programs with a specific program attribute are shown.

**ALL** All programs specified for the Program (PGM) parameter are shown.

**ASM38**

Programs with the attribute ASM38 (System/38 Assembler programs) are shown. Programs with this attribute cannot be run on an iSeries system.

**BAS**

Programs with the attribute BAS (BASIC programs) are shown.

**BAS38**

Programs with the attribute BAS38 (BASIC programs used in the System/38 environment) are shown.

**CBL**

Programs with the attribute CBL (original program model (OPM) COBOL/400 programs) are shown.
CBLLE  Programs with the attribute CBLLE (integrated language environment (ILE) COBOL/400 programs) are shown.

CBL36  Programs with the attribute CBL36 (COBOL programs used in the System/36 environment) are shown.

CBL38  Programs with the attribute CBL38 (COBOL programs used in the System/38 environment) are shown.

CLE    Programs with the attribute CLE (ILE C/400 programs) are shown.

CLLE   Programs with the attribute CLLE (ILE control language (CL) programs) are shown.

CLP    Programs with the attribute CLP (OPM CL programs) are shown.

CLP38  Programs with the attribute CLP38 (CL programs used in the System/38 environment) are shown.

CPPLE  Programs with the attribute CPPLE (ILE C++ programs) are shown.

CSP    Programs with the attribute CSP (CSP/AE application programs) are shown.

DFU    Programs with the attribute DFU (data file utility (DFU) programs) are shown.

DFUEXC Programs with the attribute DFUEXC (DFU programs which can be run in the System/38 environment) are shown.

DFUNETEXC Programs with the attribute DFUNETEXC (System/38 DFU programs which cannot be run in the System/38 environment) are shown.

FTN    Programs with the attribute FTN (FORTRAN programs) are shown.

PAS    Programs with the attribute PAS (PASCAL programs) are shown.

PAS38  Programs with the attribute PAS38 (PASCAL programs used in the System/38 environment) are shown.

PLI    Programs with the attribute PLI (PL/I programs) are shown.

PLI38  Programs with the attribute PLI38 (PL/I programs used in the System/38 environment) are shown.

RMC    Programs with the attribute RMC (RM/COBOL-85 programs) are shown.

RPG    Programs with the attribute RPG (OPM RPG/400 programs) are shown.

RPGLE  Programs with the attribute RPGLE (ILE RPG/400 programs) are shown.

RPG36  Programs with the attribute RPG36 (RPG programs used in the System/36 environment) are shown.

RPG38  Programs with the attribute RPG38 (RPG programs used in the System/38 environment) are shown.
Examples

Example 1: Working with Control Language Programs
WRKPGM PGM(MYLIB/*ALL) PGMATR(CLP)

This command displays the Work with Programs panel, showing a list of all the programs with the attribute CLP (control language program) to which the user has some authority that are stored in library MYLIB.

Example 2: Working with Programs by Generic Name
WRKPGM PGM(AB*)

This command displays the Work with Programs panel, showing a list of all programs in the library list that have names beginning with the letters ‘AB’.

Error messages

*ESCAPE Messages
CPF9809
   Library &1 cannot be accessed.

CPF9820
   Not authorized to use library &1.
Work with Program Tables (WRKPGMTBL)

Where allowed to run: Interactive environments (*INTERACT
*IPGM *IREXX *EXEC)
Threadsafe: No

The Work with Program Table (WRKPGMTBL) command lets you create finance program tables and, once they are created, lets you add or delete program names in these tables. Several finance program tables can be defined, but you must use unique names for each table. If the program table you specify on this command does not exist, it is created.

Finance program table updates can be accessed by any finance job that is submitted after all changes are completed.

Restriction: This command is shipped with public *EXCLUDE authority.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PGMtbl</td>
<td>Program table</td>
<td>Name, *SELECT, *ALL</td>
<td>Optional, Positional 1</td>
</tr>
<tr>
<td>TEXT</td>
<td>Text ‘description’</td>
<td>Character value, *BLANK</td>
<td>Optional</td>
</tr>
</tbody>
</table>

Program table (PGMTBL)

Specifies the name of a table that contains finance program IDs and user-associated program names.

The possible values are:

*ALL Displays all of the program tables currently defined.

*SELECT The Work with Program Table display is shown. With this display you can create, change, delete, or display program tables.

program-table-name Specify the name of the program table that you want to work with.

Text ‘description’ (TEXT)

Specifies the text that briefly describes the object.

The possible values are:

*BLANK No text is specified.
'description'
Specify no more than 50 characters of text, enclosed in apostrophes.

---

**Examples**

**Example 1: Working With All Finance Program Tables**

WRKPGMTBL PGMTBL(*SELECT)

This command allows you to work with all finance program tables. You can create a new table, or select an existing table to change, delete, or display.

**Example 2: Working With a Program Table**

WRKPGMTBL PGMTBL(PGMTBL1)

This command allows you to work with program table PGMTBL1. With this command you can create, change, delete, or display a table.

---

**Error messages**

*ESCAPE Messages*

CPF8379
Error while processing file &1 in &2.

CPF8380
Error while opening file &1 in &2.

CPF8381
Error while closing file &1 in &2.
Work With Remote Systems (WRKPMRMTS)

Where allowed to run:
- Interactive job (*INTERACT)

Threadsafe: No

In some sites, a host iSeries system in a network of iSeries systems sends the required performance data to IBM for processing. The other iSeries systems in the network may send their performance data to the host iSeries system for transmission to IBM. Use this display to identify those other iSeries systems, or remote systems, and to set the schedule for their data transmission.

The Work with Remote iSeries Systems display shows a list of remote iSeries systems. The display includes the status for the systems (active or inactive) and the descriptions. Use this display only if you have your iSeries system configured as a host system, and you need to create the setup for PM/400 remote systems.

If the display initially shows no entries, you must create a new remote location. Press F6 (Create) to create an entry by using the Create setup for PM/400 remote system display.

Parameters

None

Examples

None

Error messages

Unknown
IBM Systems - iSeries: i5/OS Commands Starting with WRKNTWAUTE (Work with NetWare Authentication Entries)
Work With Top Ten Omissions (WRKPMRPTO)

Where allowed to run:

- Interactive job (*INTERACT)

Threadsafe: No

The PM eServer iSeries software application summary includes an analysis of the top ten items for batch jobs, users, and communication lines. However, some jobs, users, or communication lines are not appropriate for such an analysis. For example, you may want to exclude some jobs with longer than normal run times, such as autostart jobs, in the run time category.

From the Work with Top Ten Omissions menu, select one of the following to omit these jobs, users, or communication lines from the categories of the analysis.

The Omit Jobs from Top Ten display shows the jobs and the categories on which the analysis is based. The Omit Users from Top Ten display shows the users and the categories on which the analysis is based. The Omit Communication Lines from Top Ten display shows the communication lines and the categories on which the analysis is based. Type a 1 in the appropriate field to omit an item from a particular category.

You can omit groups of batch jobs and users from the top ten analysis by using the generic omit function provided by PM eServer iSeries. For example, to omit all jobs that start with MYAPP, specify MYAPP*.

Parameters

None

Examples

None

Error messages

Unknown
**Work With Scheduled Jobs (WRKPMSCH)**

Where allowed to run:
- Interactive job (*INTERACT)

Threadsafe: No

The Work with Automatically Scheduled Jobs display shows you when the PM eServer iSeries jobs are scheduled to run. You see the job name, status (A=active or I=inactive), next run date and time, and the number of runs to date.

Type 2 next to the job that you want to change and press Enter. You are shown the Change Automatically Scheduled Jobs display.

Press F5 (Refresh) to refresh the display with current job information.

---

**Parameters**
None

---

**Examples**
None

---

**Error messages**
Unknown
The Work with Panel Groups (WRKPNLGRP) command allows you to show a list of panel groups from one or more libraries.

Restrictions:
- Only the libraries to which you have use (*USE) authority will be searched.
- Only the panel groups to which you have some authority will be shown on the display.
- To perform operations on the panel groups, you must have *USE authority to the command used by the operation, and the appropriate authority to the panel groups on which the operation is to be performed.

**Parameters**

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PNLGRP</td>
<td>Panel group</td>
<td>Qualified object name</td>
<td>Required, Positional 1</td>
</tr>
<tr>
<td></td>
<td>Qualifier 1: Panel group</td>
<td>Generic name, name, *ALL</td>
<td></td>
</tr>
</tbody>
</table>

**Panel group (PNLGRP)**

Specifies the panel groups to be shown.

This is a required parameter.

**Qualifier 1: Panel group**

*ALL  All panel groups are shown.

generic-name

Specify the generic name of the panel groups to be shown. A generic name is a character string that contains one or more characters followed by an asterisk (*). If a generic name is specified, all panel groups that have names with the same prefix as the generic name are shown.

name

Specify the name of the panel group to be shown.

**Qualifier 2: Library**

*LIBL  All libraries in the library list for the current thread are searched. All objects in these libraries with the specified object name are shown.

*CURLIB

The current library for the thread is searched. If no library is specified as the current library for the thread, the QGPL library is searched.
USRLIBL

If a current library entry exists in the library list for the current thread, the current library and the libraries in the user portion of the library list are searched. If there is no current library entry, only the libraries in the user portion of the library list are searched.

ALLUSR

All user libraries are searched. All libraries with names that do not begin with the letter Q are searched except for the following:

#CGULIB  #DSULIB  #SEULIB
#COBLIB  #RPGLIB
#DFULIB  #SDALIB

Although the following Qxxx libraries are provided by IBM, they typically contain user data that changes frequently. Therefore, these libraries are considered user libraries and are also searched:

QDSNX  QRCLxxxxx  QUSRRIJS  QUSRVxRxMx
QGPL  QSRVAGT  QUSRINFKR
QGPL38  QSYS2  QUSRNOTES
QMGTC  QSYS2xxxxx  QUSROND
QMGTC2  QS36F  QUSRPOS6
QMPGDATA  QUSER3B  QUSRPOSSA
QOMDATA  QUSRADSM  QUSRPMVSR
QOMPROC  QUSRBM  QUSRDRARS
QPFQDATA  QUSRDIRCL  QUSRVSYS
QRC  QUSRDIRDB  QUSRVI

1. ‘xxxxx’ is the number of a primary auxiliary storage pool (ASP).
2. A different library name, in the format QUSRVxRxMx, can be created by the user for each previous release supported by IBM to contain any user commands to be compiled in a CL program for the previous release. For the QUSRVxRxMx user library, VxRxMx is the version, release, and modification level of a previous release that IBM continues to support.

ALL

All libraries in the system, including QSYS, are searched.

name

Specify the name of the library to be searched.

Examples

WRKPNLGRP  PNLGRP(LIB01/ABC*)

This command displays the Work with Panel Groups panel, showing a list of panel groups whose names begin with the letters ‘ABC’ that exist in library LIB01.

Error messages

ESCAPE Messages

CPF9809

Library &1 cannot be accessed.
Work with Problem (WRKPRB)

Where allowed to run: Interactive environments (*INTERACT
*IPGM *IREXX *EXEC)
Threadsafe: No

The Work with Problem (WRKPRB) command works with the Work with Problems display. You can use this command to work with problems that were detected by the system or detected by the user.

Problems are deleted from the log by using the Delete Problem (DLTPRB) command.

Restriction: This command is shipped with public *EXCLUDE authority and the QPGMR, QSYSOPR, QSRV, and QSRVBAS user profiles have private authorities to use the command.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRBID</td>
<td>Problem identifier</td>
<td>Character value, *ALL</td>
<td>Optional, Positional 1</td>
</tr>
<tr>
<td>SEV</td>
<td>Severity</td>
<td>Single values: *ALL, Other values (up to 3 repetitions): 1, 2, 3, 4</td>
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<tr>
<td>PERIOD</td>
<td>Period</td>
<td>Element list</td>
<td>Optional</td>
</tr>
<tr>
<td></td>
<td>Element 1: Start time and date</td>
<td>Element list</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Element 1: Start time</td>
<td>Time, *AVAIL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Element 2: Start date</td>
<td>Date, *BEGIN, *CURRENT</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Element 2: End time and date</td>
<td>Element list</td>
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<td></td>
<td>Element 1: End time</td>
<td>Time, *AVAIL</td>
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<td></td>
<td>Element 2: End date</td>
<td>Date, *END, *CURRENT</td>
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<td></td>
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<tr>
<td></td>
<td>Element 2: Model number</td>
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</tr>
<tr>
<td></td>
<td>Element 3: Serial number</td>
<td>Character value, *ALL</td>
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<td>Resource name</td>
<td>Name, *ALL</td>
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<tr>
<td>LICPGM</td>
<td>Product</td>
<td>Element list</td>
<td>Optional</td>
</tr>
<tr>
<td></td>
<td>Element 1: Program identifier</td>
<td>Character value, *ALL</td>
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</tr>
<tr>
<td></td>
<td>Element 2: Release</td>
<td>Character value, *ALL</td>
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<tr>
<td></td>
<td>Element 3: Modification level</td>
<td>Character value, *ALL</td>
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<tr>
<td>FUNCTION</td>
<td>Function</td>
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<tr>
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<td>Program</td>
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<td>Optional</td>
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</table>

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<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
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<td>MSGID</td>
<td>Message identifier</td>
<td>Generic name, name, *ALL</td>
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<td>ORIGIN</td>
<td>Origin</td>
<td>Element list</td>
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<td>Element 1: Network identifier</td>
<td>Communications name, *ALL, *NETATR</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Element 2: Control point name</td>
<td>Communications name, *ALL, *NETATR</td>
<td></td>
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<td>SRVID</td>
<td>Service number</td>
<td>Character value, *ALL</td>
<td>Optional</td>
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<td>ASNUSER</td>
<td>User assigned</td>
<td>Simple name, *ALL</td>
<td>Optional</td>
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<tr>
<td>GROUP</td>
<td>Group assigned</td>
<td>Character value, *ALL</td>
<td>Optional</td>
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<tr>
<td>PRBTYPE</td>
<td>Problem type</td>
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<td>Optional</td>
</tr>
<tr>
<td>PRBCGY</td>
<td>Problem category</td>
<td>*ALL, *REPORT, *CRITICAL, *LOGONLY</td>
<td>Optional</td>
</tr>
</tbody>
</table>

### Problem identifier (PRBID)

Specifies the problem identifier of the problem being selected. Problems with different system origins can have the same identifier. This parameter can be used with the ORIGIN parameter to select a single problem from a particular system origin.

*ALL All problem identifiers are selected.

*problem-identifier*

Specify the 10-character problem identifier of the problem being selected.

### Status type (STATUS)

Specifies the status of problem log entries. There are seven types of status:

*OPENED The problem is in Opened status. The problem has been identified and a problem record was created.

*READY The problem is in Ready status. Problem analysis information has been added to the problem record.

*PREPARED The problem is in Prepared status. The problem has been prepared for reporting.

*SENT The problem is in Sent status. The problem has been sent to a service provider, but no answer has been returned.

*ANSWERED The problem is in Answered status. An answer has been returned by the service provider or added by an operator on this system.

*VERIFIED The problem is in Verified status. The problem was resolved and the system operator has verified that the problem is corrected.

*CLOSED The problem was closed.
*ALL  All types of status of problem log entries are shown.

status-type
Specify the type of status to be shown.

Severity (SEV)
Specifies the severity level of the problem. Severity levels are assigned by the user when the problem is prepared for reporting. The four severity levels are:

1  High
2  Medium
3  Low
4  None

*ALL  All problem log entries are shown.

severity
Specify the level of severity of problem log entries to be shown.

Period (PERIOD)
Specifies the period of time for which problem log entries are shown. This is the time when the problem entry was placed in the log.

The possible starting time values are:

*AVAIL  The logged data that is available for the specified starting date is shown.

start-time
Specify the starting time for the specified starting date indicating the logged data to display.

The time is specified in 24-hour format and can be specified with or without a time separator:

- Without a time separator, specify a string of 4 or 6 digits (hmm or hmmmss) where hh = hours, mm = minutes, and ss = seconds. Hours, minutes, and seconds must each be exactly 2 digits (use leading zeros if necessary).
- With a time separator, specify a string of 5 or 8 digits where the time separator specified for your job is used to separate the hours, minutes, and seconds. If you enter this command from the command line, the string must be enclosed in apostrophes. If a time separator other than the separator specified for your job is used, this command will fail.

The possible starting date values are:

*BEGIN  The logged data from the beginning of the log is shown.

Note: If *BEGIN is specified, any time value other than *AVAIL for starting time is ignored.

*CURRENT  The logged data for the current day from the specified starting time through the ending time (if it is specified) is shown.
start-date
Specify the starting date for which logged data is shown. The date must be entered in the job date format.

The possible ending time values are:

*AVAIL
The logged data that is available for the specified ending date is shown.

end-time
Specify the ending time for the specified ending date for which logged data is shown. See the start-time description in this parameter description for details on how the time must be specified.

The possible ending date values are:

*END
The last day on which data was logged is the last day for which the logged data is shown.

Note: If *END is specified, any time value other than *AVAIL for end-time is ignored.

*CURRENT
The logged data for the current day from the specified starting time through the ending time (if it is specified) is shown.

end-date
Specify the ending date for which logged data is to be shown. The date must be specified in the job date format.

Hardware (HARDWARE)
Specifies that only problem log entries that identify the specified failing hardware are shown.

The possible machine type values are:

*ALL
All entries are shown, regardless of what hardware is identified as failing.

Note: If *ALL is specified, any value other than *ALL for model and serial number is ignored.

type
Specify the 4-character type code for the hardware.

The possible model number values are:

*ALL
All entries that identify failing hardware of the specified type are shown.

Note: If *ALL is specified, any value other than *ALL for serial number is ignored.

model
Specify the 3-character model number for the hardware.

The possible serial number values are:

*ALL
All entries that identify failing hardware of the specified type and model are shown.

serial
Specify the serial number of the hardware in one of the following formats, where n is a decimal character ranging from 0 through 9.

* nnnnn
* nnnnnnn
* nn-nnnnn
* nn-nnnnnnn

Top Hardware (HARDWARE)
Specifies that only problem log entries that identify the specified failing hardware are shown.

The possible machine type values are:

*ALL
All entries are shown, regardless of what hardware is identified as failing.

Note: If *ALL is specified, any value other than *ALL for model and serial number is ignored.

type
Specify the 4-character type code for the hardware.

The possible model number values are:

*ALL
All entries that identify failing hardware of the specified type are shown.

Note: If *ALL is specified, any value other than *ALL for serial number is ignored.

model
Specify the 3-character model number for the hardware.

The possible serial number values are:

*ALL
All entries that identify failing hardware of the specified type and model are shown.

serial
Specify the serial number of the hardware in one of the following formats, where n is a decimal character ranging from 0 through 9.

* nnnnn
* nnnnnnn
* nn-nnnnn
* nn-nnnnnnn

Top
Resource name (RESOURCE)

Specifies that only problem log entries that identify the specified failing resource name are shown.

*ALL All entries are shown, regardless of which resource name, if any, is identified by the problem.

resource-name Specify the resource name.

Product (LICPGM)

Specifies that problem log entries that identify the specified failing software are shown.

The possible program ID values are:

*ALL All entries are shown regardless of what software is identified as failing.

Note: If *ALL is specified, any value other than *ALL for release and modification is ignored.

program-ID Specify the identification number of the licensed program.

The possible release values are:

*ALL All entries that identify failing software from the specified licensed program are shown.

Note: If *ALL is specified, any value other than *ALL for modification is ignored.

release-level Specify the release level of the licensed program.

The possible modification values are:

*ALL All entries that identify failing software from the specified licensed program and release are shown.

modification Specify the modification number of the release.

Function (FUNCTION)

Specifies that only problem log entries that identify the specified function are to be shown. The function is present only in user-detected problem log entries and represents a major functional area or product.

*ALL All entries are shown regardless of what function ID, if any, is identified.

generic*-function-identifier Specify a generic function ID. A generic ID is a character string containing one or more of the initial characters of the function ID followed by an asterisk (*). If blank characters are included, the character string must be enclosed in apostrophes (‘).

function-id Specify the complete function ID. If blank characters are included, the character string must be enclosed in apostrophes (‘).

The possible values for function ID are:

ID     Description
ALRT  Alerts
APF   Advanced printer function
APPC  Advanced program-to-program communications
APPN  Advanced Peer-to-Peer Networking function
APS   Advanced DBCS Printer Support program
ASYNC Asynchronous communications
BAS   AS/400 BASIC
BGU   AS/400 Business Graphics Utility
BSC   Binary synchronous communications
CBL   AS/400 COBOL and COBOL for iSeries
CGU   Character generator utility
CL    Control language
CRYPT Cryptographic Support/400
CSM   Communications and Systems Management
C400  C/400
DDM   Distributed data management
DFU   Data file utility
DHCF  Distributed host command facility
DICT  Language Dictionaries/400
DSNX  Distributed system node executive
ECS   Electronic customer support
FINANCE Finance Communications
FTN   FORTRAN/400
FTS   File transfer support
GDDM  Graphical Data Display Manager
ICF   Intersystem Communication Facility
IDU   Interactive data definition utility (IDDU)
INTRA Intrasystem Communication
IPDS  Intelligent Printer Data Stream
ITF   Interactive terminal facility
LPDA  Link Problem Determination and Analysis
MIA   MI Assembler
MIGR  Migration
OBJD  Object distribution
OCL  S/36 operator control language
OFC  OfficeVision
OSP  i5/OS
PAS  AS/400 Pascal
PASSTHRU  Pass-through
PC400  Client Access/400
PDM  Programming development manager
PL1  AS/400 PL/I
POSCOM  Point-of-Sale Communications Utility/400
QRY  Query/400
RETAIL  Retail Communications
REXX  REXX/400
RJE  Remote job entry
RLU  Report layout utility
RPFT  Performance Tools/400
RPG  RPG for iSeries
RSCS  Remote spooling communications subsystem
RWS  Remote work station
SDA  Screen design aid
SDLC  Synchronous Data Link Control
SEU  Source entry utility
SMU  IBM System Manager for i5/OS
SNADS  SNA distribution services
SNUF  SNA upline facility
SORT  AS/400 sort
SQL  SQL/400
SUU  System upgrade utility
TCP/IP  TCP/IP Connectivity Utilities/400
TRLAN  Token ring network
TXT38  System/38 compatible Text Management
VMC  Vertical Licensed Internal Code
VNET  RSCS/PROFS
WRD  Word processing
X21  X.21 public data network
**Program (PGM)**

Specifies whether only problem log entries that identify a specified failing program are shown. For machine detected problems, the failing program, if any, is identified by the most likely possible cause.

*ALL All entries are shown regardless of whether a program is identified.

generic*-program-name
   Specify a generic program name. A generic name is a character string containing one or more characters followed by an asterisk (*).

**Message identifier (MSGID)**

Specifies whether only problem log entries that identify a specified message are shown.

*ALL All entries are shown regardless of which message ID is associated with the problem.

generic*-msg-id
   Specify a generic message identifier (ID). A generic ID is a character string containing one or more characters followed by an asterisk (*).

**Origin (ORIGIN)**

Specifies that only problem log entries that originated at the specified systems are shown.

The possible network ID values are:

*ALL All entries are shown regardless of the network ID of the origin system.

*NETATR Only entries that originated on systems with the same local network ID as the one defined in the network attributes for this system are shown.

network-ID
   Specify a network ID. Only entries that originated on systems with this local network ID are shown.

The possible control point name values are:

*ALL All entries originating at systems with the specified network ID are shown.
*NETATR
Only entries that originated on systems with the same local control point name as the one defined in the network attributes for this system are shown.

control-point-name
Specify a control point name.

Service number (SRVID)
Specifies whether only problem log entries that have the specified service assigned number are shown. This number was assigned when the problem was reported to IBM service support.

*ALL All entries are shown regardless of the service assigned number, if any.

service-assigned-number
Specify the service assigned number.

User assigned (ASNUSER)

User assigned (ASNUSER)
Specifies whether only problem log entries assigned to this user are shown.

*ALL All problem log entries are shown.

user-name
Specify the user ID assigned to the problems to be shown.

Group assigned (GROUP)
Specifies the group in the filter to which the problem is assigned.

*ALL All program log entries are displayed, regardless of the group assigned to them.

group-name
Specify the 10-character problem filter group assigned to the entry.

Note: The values are blank if problem log filtering is not used.

Problem type (PRBTYPE)
Specifies which type of problems to work with.

*ALL All problem log entries are shown, regardless of the problem type.
1 Only machine-detected problems are shown.
2 Only user-detected problems are shown.
3 Only PTF order problems are shown.
4 Only application-detected problems are shown.
Only Client machine-detected problems are shown.

Only Client user-detected problems are shown.

**Problem category (PRBCGY)**

Specifies which category of problems to display.

**ALL**  All problems are shown.

**REPORT**  Problems that are logged and reported to the service provider are shown.

**CRITICAL**  Problems that are critical are shown.

**LOGONLY**  Problems that are logged, but not reported to the service provider, are shown.

**Examples**

**Example 1: Displaying Entries with Status of OPENED or READY**

WRKPRB  STATUS(*OPENED *READY) HOW(9347)

This command displays the Work with Problems panel, showing only those problem entries with a status of OPENED or READY which identify a failing device with type 9347.

**Example 2: Displaying Current Day Problem Entries**

WRKPRB  PERIOD((*AVAIL *CURRENT))

This command displays the Work with Problems panel, showing all problem entries that are created in the log on the current day.

**Example 3: Displaying List of Hardware Problems**

WRKPRB  SEV(1 2) HARDWARE(9347 001 '10-7523489')

This command shows a list containing problems with the hardware specified by the user. The user has specified that the command track medium to high levels of severity.

**Example 4: Displaying Problems That Have Been Opened**

WRKPRB  STATUS(*OPENED)
  PERIOD((*AVAIL *CURRENT) (120000 *CURRENT))
  LICPGM(5722SS1 03 00) PGM(QNOPGM)

This command shows a list containing problems that have been opened during the period starting at midnight and ending at noon on the current day, and have not yet been analyzed. This command also identifies the specified licensed program identifier and program name as the probable cause of the failure.

**Example 5: Displaying a List of Machine-Detected Problems**

WRKPRB  RESOURCE(TAP01) MSGID(CPF6788)
This command shows a list containing machine detected problems that were opened due to the message, CPF6788, having been sent to the system operator message queue and for which a problem analysis was done. The problem analysis was done to determine the resource name of the device suspected of failure, which in this case is device, TAP01. The list of problems includes user-detected problems. To get the user-detected problems, the user specified the resource name and message identifier by using the Analyze Problem (ANZPRB) command.

Example 6: Displaying a List of Reported Problems
WRKPRB   SRVID(12345)

This command shows a list containing problems that have been reported to an IBM service identifier.

**Error messages**

*ESCAPE Messages

CPF7A9C
  Cannot work with the problem log at this time.

CPF7D41
  Error occurred while logging order assistance request.

CPF7D42
  Error occurred while performing database operation.

CPF9845
  Error occurred while opening file &1.

CPF9871
  Error occurred while processing.

Top
Work with Product Information (WRKPRDINF)

Where allowed to run: Interactive environments (*INTERACT
*IPGM *IREXX *EXEC)
Threadsafe: No

The Work with Product Information (WRKPRDINF) command allows you to access information available through marketing support systems. When you use the WRKPRDINF command, a display without prompts is shown, informing you that the iSeries system is going to start 3270 emulation. If there is a problem, you can call the Help Desk number shown. If you press Enter to continue, a communications session is established.

There are no parameters for this command.

Parameters
None

Examples
WRKPRDINF

This command allows you to sign on the IBM Information Network.

Error messages
None
Work with Printing Status (WRKPRTSTS)

Where allowed to run: All environments (*ALL)
Threadsafe: No

The Work with Printing Status (WRKPRTSTS) command allows you to list the statuses of a specified spooled file.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
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<tbody>
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<td>Spooled file</td>
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<td>Qualifier 2: User</td>
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<td>Job system name</td>
<td>Name, *ONLY, *CURRENT, *ANY</td>
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<tr>
<td>CRTDATE</td>
<td>Spooled file created</td>
<td>Single values: *ONLY, *LAST Other values: Element list</td>
<td>Optional</td>
</tr>
<tr>
<td></td>
<td>Element 1: Creation date</td>
<td>Date</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Element 2: Creation time</td>
<td>Time, *ONLY, *LAST</td>
<td></td>
</tr>
</tbody>
</table>

Spooled file (FILE)

Specifies the name of a file created by a user program or the name of the device file used to create this file.

This is a required parameter.

Job name (JOB)

Specifies the name of the job that created the spooled file. This parameter is valid only if a spooled file name is specified on the Spooled file (FILE) parameter.

Single values

- The job from which this WRKPRTSTS command was entered is the job that created the spooled file.
Qualifier 1: Job name

*name*  Specify the name of the job that created the spooled file. If no job qualifier is given, all of the jobs
currently in the system are searched for the simple job name.

Qualifier 2: User

*name*  Specify the name of the user profile under which the spooled file was created.

Qualifier 3: Number

*000000-999999*  Specify the system-assigned number of the job that created the spooled file.

---

**Spooled file number (SPLNBR)**

Specifies the number of the spooled file being processed. This parameter is valid only if a spooled file
name is specified on the Spooled file (FILE) parameter.

*ONLY*  Only one spooled file from the job on the specified queue has the specified file name; no spooled
file number is needed. If *ONLY* is specified and more than one spooled file on the output queue
has the same name, an error message is shown.

*LAST*  The highest-numbered spooled file that is on the specified output queue and that has the
specified file name is processed first.

*ANY*  The spooled file number is not used to determine which spooled file is used. Use this value when
the job system name parameter or the spooled file create date and time parameter is to take
precedence over the spooled file number when selecting a spooled file.

*number*  Specify the number of the job’s spooled file that is on the specified output queue and that is
being processed first.

---

**Job system name (JOBSYSNAME)**

Specifies the name of the system where the job that created the spooled file (JOB parameter) ran. This
parameter is considered after the job name, user name, job number, spooled file name, and spooled file
number parameter requirement have been met.

*ONLY*  There is one spooled file with the specified job name, user name, job number, spooled file name,
spooled file number, and spooled file create date and time.

*CURRENT*  The spooled file created on the current system with the specified job name, user name, job
number, spooled file name, spooled file number, and create date and time is used.

*ANY*  The job system name is not used to determine which spooled file is used. Use this value when
the spooled file create date and time parameter is to take precedence over the job system name
when selecting a spooled file.

*name*  Specify the name of the system where the job that created the spooled file ran.
**Spooled file created (CRTDATE)**

Specifies the date and time the spooled file was created. This parameter is considered after the job name, user name, job number, spooled file name, spooled file number, and job system name parameter requirements have been met.

**Single values**

*ONLY  
There is one spooled file with the specified job name, user name, job number, spooled file name, spooled file number, and job system name.

*LAST  
The spooled file with the latest create date and time of the specified job name, user name, job number, spooled file name, spooled file number, and job system name is used.

**Element 1: Creation date**

`date`  
Specify the date the spooled file was created.

**Element 2: Creation time**

*ONLY  
There is one spooled file with the specified job name, user name, job number, spooled file name, spooled file number, job system name, and spooled file create date.

*LAST  
The spooled file with the latest create time of the specified job name, user name, job number, spooled file name, spooled file number, job system name, and spooled file create date is used.

`time`  
Specify the time the spooled file was created.

---

**Examples**

```
WRKPRTSTS FILE(MYFILE)
```

This command assumes that the user has a spooled file on an output queue that does not have a printer attached to it. When the user specifies this command, the Work with Printing Status panel will be shown. One status message that would apply to the file named MYFILE would be, “This file is not associated with a started printer.” Depending on the status of MYFILE, other status types could be shown.

---

**Error messages**

*ESCAPE Messages*

CPF3303  
File &1 not found in job &5/&4/&3.

CPF3309  
No files named &1 are active.

CPF3330  
Necessary resource not available.
CPF3342
   Job &5/&4/&3 not found.

CPF3344
   File &1 number &8 no longer in the system.

CPF34B4
   WRKPRTSTS command not valid for diskette files.

CPF34B5
   Printer &1 is not found.

CPF34B6
   More than one printer was selected

CPF34B7
   Printer must be selected from list of printers.

CPF9871
   Error occurred while processing.
Work with PSF Configuration (WRKPSFCFG)

Where allowed to run: Interactive environments (*INTERACT *IPGM *IREXX *EXEC)
Threadsafe: No

The Work with PSF Configuration (WRKPSFCFG) command allows you to display and work with Print Services Facility (PSF) configuration objects. You can specify PSF configuration objects from one or more libraries.

Restrictions:
• The PSF feature is required to use this command.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSFCFG</td>
<td>PSF configuration</td>
<td>Qualified object name</td>
<td>Required, Positional 1</td>
</tr>
<tr>
<td></td>
<td>Qualifier 1: PSF configuration</td>
<td>Generic name, name, *ALL</td>
<td></td>
</tr>
</tbody>
</table>

PSF configuration (PSFCFG)

Specifies the Print Services Facility (PSF) configuration objects that are to be shown.

This is a required parameter.

Qualifier 1: PSF configuration

*ALL  Display all PSF configuration objects.

generic-name

Specify the generic name of the PSF configuration objects to be shown. A generic name is a character string that contains one or more characters followed by an asterisk (*). If a generic name is specified, all PSF configuration objects that have names with the same prefix as the generic name are shown.

name  Specify the name of the PSF configuration object to be shown.

Qualifier 2: Library

*LIBL  Search all libraries in the job’s library list for the PSF configuration object.

*CURLIB

Search the current job library for the job. If no library is specified as the current library for the job, the QGPL library is used.

*USRLIBL

Search only the libraries listed in the user portion of the job’s library list.
*ALL  Search all libraries in the system, including QSYS.

*ALLUSR  Search all user libraries.

name  Search the specified library.

---

**Examples**

WRKPSFCFG  PSFCFG(*ALL)

This command displays the Work with PSF Configuration objects panel, showing a list of all PSF configuration objects (*PSFCFG) that are located in any library in the library list.

---

**Error messages**

*ESCAPE Messages*

CPF9801  
Object &2 in library &3 not found.

CPF9802  
Not authorized to object &2 in &3.

CPF9803  
Cannot allocate object &2 in library &3.

CPF9805  
Object &2 in library &3 destroyed.

CPF9810  
Library &1 not found.

CPF9811  
Program &1 in library &2 not found.

CPF9820  
Not authorized to use library &1.

CPF9830  
Cannot assign library &1.
Work with PTF Groups (WRKPTFGRP)

Where allowed to run: Interactive environments (*INTERACT  
*IPGM *IREXX *EXEC)

Threadsafe: No

The Work with Program Temporary Fix Groups (WRKPTFGRP) command displays a list of PTF groups on the system. A PTF group consists of a list of program temporary fixes (PTFs) defined for the purpose of managing those PTFs as one group. A PTF group can identify other PTF groups called related PTF groups. The PTFs in the PTF group as well as the PTFs in all related PTF groups are used to determine the overall status of the PTF group.

Restrictions:
1. This command is shipped with public *EXCLUDE authority and the QPGMR, QSYSOPR, QSRV, and QSRVBAS user profiles have private authorities to use the command.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTFGRP</td>
<td>PTF group</td>
<td>Character value, *ALL</td>
<td>Optional, Positional 1</td>
</tr>
</tbody>
</table>

PTF group (PTFGRP)

Specifies the name of the PTF group to display.

This is a required parameter.

*ALL  All PTF groups on the system are displayed.

PTF-group-name

Specify the name of the PTF group to display.

generic*-PTF-group-name

Specify the generic name of the PTF group to display. A generic name is a character string that contains one or more characters followed by an asterisk (*).

Examples

WRKPTFGRP  PTFGRP(SF*)

This command allows you to work with all of the PTF groups that start with the letters 'SF'.
Error messages

*ESCAPE Messages

CPF9845

Error occurred while opening file &1.
Work with Query Mgmt Forms (WRKQMFORM)

Where allowed to run: Interactive environments (*INTERACT
*IPGM *IREXX *EXEC)
Threadsafe: No

The Work with Query Management Forms (WRKQMFORM) command shows a list of query management forms from a user-specified subset of query management form names. From this list, several query management form-related functions are available.

Restrictions:
- Only the libraries to which you have use (*USE) authority will be searched.
- Only the query management forms to which you have some authority will be shown on the display.
- To perform operations on the query management forms, you must have *USE authority to the command used by the operation, and the appropriate authority to the query management forms on which the operation is to be performed.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>QMFORM</td>
<td>Query management report form</td>
<td>Qualified object name</td>
<td>Required, Positional 1</td>
</tr>
<tr>
<td></td>
<td>Qualifier 1: Query management report form</td>
<td>Generic name, name, *ALL</td>
<td></td>
</tr>
</tbody>
</table>

Query management report form (QMFORM)

Specifies the query management forms to be shown on the Work with Query Management Forms display.

This is a required parameter.

Qualifier 1: Query management report form

*ALL  All query management forms are shown on the Work with Query Management Forms display.

generic-name
  Specify the generic name of the query management forms to be shown. A generic name is a character string that contains one or more characters followed by an asterisk (*). If a generic name is specified, all query management forms that have names with the same prefix as the generic name are shown.

name  Specify the name of the query management form to be shown.

Qualifier 2: Library

*LIBL  All libraries in the library list for the current thread are searched. All objects in these libraries with the specified object name are shown.
*CURLIB

The current library for the thread is searched. If no library is specified as the current library for the thread, the QGPL library is searched.

*USRLIBL

If a current library entry exists in the library list for the current thread, the current library and the libraries in the user portion of the library list are searched. If there is no current library entry, only the libraries in the user portion of the library list are searched.

*ALLUSR

All user libraries are searched. All libraries with names that do not begin with the letter Q are searched except for the following:

- #CGULIB
- #DSULIB
- #SEULIB
- #COBLIB
- #RPGLIB
- #DFULIB
- #SDALIB

Although the following Qxxx libraries are provided by IBM, they typically contain user data that changes frequently. Therefore, these libraries are considered user libraries and are also searched:

QDSNX  QRCLxxxxx  QUSRJJS  QUSRVxRxMx
QGPL   QSRVAGT   QUSRINFSKR
QGPL38 QSYS2      QUSRNOTES
QMGTQ  QSYS2xxxxx QUSROND
QMTC2  QS36F      QUSRPOSGS
QMPGDATA QUSER3B   QUSRPOSSA
QMMDATA QUSRADSM   QUSRPMYSVR
QMMPROC QUSRBDAM   QUSRDDRAS
QPFDATA QUSRDIRCL  QUSRJ
QRL    QUSRDIRDB   QUSRVI

1. ‘xxxxx’ is the number of a primary auxiliary storage pool (ASP).
2. A different library name, in the format QUSRVxRxMx, can be created by the user for each previous release supported by IBM to contain any user commands to be compiled in a CL program for the previous release. For the QUSRVxRxMx user library, VxRxMx is the version, release, and modification level of a previous release that IBM continues to support.

*ALL

All libraries in the system, including QSYS, are searched.

name Specify the name of the library to be searched.

Examples

WRKQMFORM  QMFORM(QGPL/DSP*)

This command shows a list of all query management forms in library QGPL that start with the letters ‘DSP’.

Error messages

*ESCAPE Messages

CPF9809

Library &1 cannot be accessed.
Work with Query Mgmt Queries (WRKQMQRY)

Where allowed to run: Interactive environments (*INTERACT
*IPGM *IREXX *EXEC)
Threadsafe: No

The Work with Query Management Queries (WRKQMQRY) command shows a list of query management queries from a user-specified subset of query management query names. From this list, several query management query-related functions are available.

Restrictions:
1. Only the libraries to which you have USE authority will be searched.
2. Only the query management queries to which you have some authority will be shown on the display.
3. To perform operations on the query management queries, you must have USE authority to the command used by the operation, and the appropriate authority to the query management queries on which the operation is to be performed.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>QMQRY</td>
<td>Query management query</td>
<td>Qualified object name</td>
<td>Required, Positional 1</td>
</tr>
<tr>
<td></td>
<td>Qualifier 1: Query</td>
<td>Generic name, name, *ALL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>management query</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Query management query (QMQRY)

Specifies the name and library of the query management query to be shown on the Work with Query Management Queries display. A specific or a generic query management query can be specified. Either type can be optionally qualified by a library name.

This is a required parameter.

The possible values are:

*ALL    All query management queries in the libraries specified are shown on the Work with Query Management Queries display.

generic*query-name
Specify the generic name of the query management query to be shown. A generic name is a character string that contains one or more characters followed by an asterisk (*). If a generic name is specified, then all query management queries that have names with the same prefix as the generic query management query name are shown.

query-name
Specify the name of the query management query to be shown.
Qualifier 2: Library

*LIBL  All libraries in the library list for the current thread are searched. All objects in these libraries with the specified object name are shown.

*CURLIB  The current library for the thread is searched. If no library is specified as the current library for the thread, the QGPL library is searched.

*USRLIBL  If a current library entry exists in the library list for the current thread, the current library and the libraries in the user portion of the library list are searched. If there is no current library entry, only the libraries in the user portion of the library list are searched.

*ALLUSR  All user libraries are searched. All libraries with names that do not begin with the letter Q are searched except for the following:

#CGULIB  #DSULIB  #SEULIB
#COBLIB  #RPGLIB
#DFULIB  #SDALIB

Although the following Qxxx libraries are provided by IBM, they typically contain user data that changes frequently. Therefore, these libraries are considered user libraries and are also searched:

QDSNX  QRCxxxxx  QUSRRIJS  QUSRVxRxMx
QGPL  QSRVAGT  QUSRINFSXR
QGPL38  QSYS2  QUSRNOTES
QMGTC  QSYS2xxxxx  QUSROND
QMGTC2  QS36F  QUSRPOGS
QMPGDATA  QUSER38  QUSRPOSSA
QMMDATA  QUSRADSM  QUSRPYMSVR
QMQMMPROC  QUSRBRM  QUSRRDARS
QPFRODATA  QUSRDIRCL  QUSRYS
QRC  QUSRDIRDB  QUSRVI

1. ‘xxxxx’ is the number of a primary auxiliary storage pool (ASP).
2. A different library name, in the format QUSRVxRxMx, can be created by the user for each previous release supported by IBM to contain any user commands to be compiled in a CL program for the previous release. For the QUSRVxRxMx user library, VxRxMx is the version, release, and modification level of a previous release that IBM continues to support.

*ALL  All libraries in the system, including QSYS, are searched.

*name  Specify the name of the library to be searched.

Examples

WRKMQRY  QMQRY(QGPL/DSP*)

This command shows a list of all query management queries in library QGPL that start with the letters ‘DSP’.

Error messages

*ESCAPE Messages

CPF9809  Library &1 cannot be accessed.

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Work with Questions (WRKQST)

Where allowed to run: Interactive environments (*INTERACT
*IPGM *IREXX *EXEC)
Threadsafe: No

The Work with Questions (WRKQST) command allows you to review the questions asked. More information is available in the Basic System Operation information in the iSeries Information Center at http://www.ibm.com/eserver/iseries/infocenter.

Restriction: You must have read authority to the database.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>QSTDB</td>
<td>Q/A database</td>
<td>Name, *SELECT</td>
<td>Optional, Positional 1</td>
</tr>
<tr>
<td>LIB</td>
<td>Lib containing Q/A database</td>
<td>Name, *QSTLIB</td>
<td>Optional, Positional 2</td>
</tr>
</tbody>
</table>

Q/A database (QSTDB)

Specifies the Question-and-Answer (Q & A) database with which to work.

The possible values are:

*SELECT
You are asked to specify a Q & A database. If only one Q & A database exists on the system, it is the default.

question-database
Specify the name of the Q & A database with which to work.

Lib containing Q/A database (LIB)

Specifies the name of the library that contains the Q & A database.

The name of the Q & A database can be qualified by one of the following library values:

*QSTLIB
The library containing the specified Q & A database is searched. If *SELECT is specified on the QSTDB parameter, any Q & A database in any library to which you are authorized can be selected.
library-name

Specify the name of the library to be searched. If *SELECT is specified on the QSTDB parameter, any Q & A database in the library to which you are authorized can be selected.

Examples

WRKQST

This command shows the Work with Questions You Asked panel. If more than one database is available for selection, the Select Q and A Database display is shown first.

Error messages

None
Work with RDB Directory Entry (WRKRDBDIRE)

Where allowed to run: All environments (*ALL)
Threadsafe: No

The Work with Relational Database Directory Entry (WRKRDBDIRE) command allows you to show and work with one or more entries from the relational database (RDB) directory.

With this command, you can do the following with the RDB directory:

- Add new entries
- Change existing entries
- Remove entries
- Show the details of an entry
- Print an entry
- Print a list of all entries

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>RDB</td>
<td>Entry</td>
<td>Generic name, name, *ALL</td>
<td>Optional, Positional 1</td>
</tr>
<tr>
<td>OUTPUT</td>
<td>Output</td>
<td>*PRINT</td>
<td>Optional, Positional 2</td>
</tr>
</tbody>
</table>

Entry (RDB)

Specifies the relational database directory entry. If an entry has no alias, the relational database name is used as the entry name. If an entry has an alias, the alias is used as the entry name.

This is a required parameter.

The possible values are:

- ***ALL** All entries in the relational database directory.
- **generic*-relational-database-name** Specify the generic name of the relational database entries. A generic name is a character string that contains one or more characters followed by an asterisk (*).
- **relational-database-name** Specify the name of the relational database directory entry.
Output (OUTPUT)

Specifies whether the output from the command is displayed at the requesting work station or printed with the job’s spooled output.

The possible values are:

* The output is displayed (if requested by an interactive job) or printed with the job’s spooled output (if requested by a batch job).

*PRINT

The output is printed with the job’s spooled output.

Examples

Example 1: Displaying All Directory Entries
WRKRDBDIRE

This command shows a list of all relational database directory entries and allows you to work with them.

Example 2: Directing Information to a Database File
WRKRDBDIRE RDB(YOURRDB) OUTPUT(*PRINT)

This command directs the information from the relational database directory entry YOURRDB to a printer file.

Error messages

*ESCAPE Messages
CPF3EC4

Work with relational database directory entry failed.
Work with Readers (WRKRDR)

Where allowed to run: All environments (*ALL)
Threadsafe: No

The Work with Readers (WRKRDR) command shows the overall status of all defined spooling readers or it can show the detailed status of a specific reader. The status of the readers may change while the command is in process.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>RDR</td>
<td>Reader</td>
<td>Name, *ALL</td>
<td>Optional, Positional 1</td>
</tr>
<tr>
<td>OUTPUT</td>
<td>Output</td>
<td>*PRINT</td>
<td>Optional, Positional 2</td>
</tr>
</tbody>
</table>

Reader (RDR)

Specifies whether overall status is given for all readers or detailed status is given for a specified reader.

*ALL A list of all readers is displayed with information about each reader.

name Specify the name of the reader whose detailed information is to be displayed.

Output (OUTPUT)

Specifies whether the output from the command is displayed at the requesting work station or printed.

* The output is displayed (if requested by an interactive job) or printed (if requested by a batch job).

*PRINT The output is printed.

Examples

Example 1: Working With All Readers

WRKRDR

This command allows you to work with the names of all readers, their types, device files, and status.

Example 2: Working With One Reader
This command allows you to work with the detailed information about the reader DISKREAD.

### Error messages

**ESCAPE Messages**

**CPF0941**
Job &3/&2/&1 no longer in system.

**CPF1070**
Job &3/&2/&1 not found.

**CPF1071**
No authority to job &3/&2/&1.

**CPF3302**
Override of print file &1 to file &2 not valid.

**CPF3312**
Reader &1 neither active nor on job queue.

**CPF3330**
Necessary resource not available.

**CPF3336**
Job &5/&4/&3 no longer in the system.

**CPF7D41**
Error occurred while logging order assistance request.

**CPF7D42**
Error occurred while performing database operation.

**CPF9845**
Error occurred while opening file &1.

**CPF9846**
Error while processing file &1 in library &2.

**CPF9871**
Error occurred while processing.
Work with Registration Info (WRKREGINF)

Where allowed to run: All environments (*ALL)
Threadsafe: No

The Work with Registration Information Command (WRKREGINF) shows information about exit points and exit programs. Information about a single exit point, multiple exit points and the exit programs associated with the exit points are displayed. The command is similar to the Retrieve Exit Information (QUSRTVEI) Application Programming Interface (API).

For more information on Registration Information refer to the Application programming interfaces information in the iSeries Information Center at http://www.ibm.com/eserver/iseries/infocenter

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXITPNT</td>
<td>Exit point</td>
<td>Generic name, name, *REGISTERED, *UNREGISTERED, *ALL</td>
<td>Optional, Positional 1</td>
</tr>
<tr>
<td>FORMAT</td>
<td>Exit point format</td>
<td>Generic name, name, *ALL</td>
<td>Optional, Positional 2</td>
</tr>
<tr>
<td>OUTPUT</td>
<td>Output</td>
<td>*, *PRINT</td>
<td>Optional</td>
</tr>
</tbody>
</table>

Exit point (EXITPNT)

Specifies the name of the exit point to work with.

The possible values are:

*REGISTERED

All registered exit points are displayed. Registered exit points are exit points that were added to the registration facility.

*UNREGISTERED

All unregistered exit points are displayed. Unregistered exit points are exit points that are created by the registration facility in the absence of the exit point at the time an exit program was added.

*ALL

All registered and unregistered exit points are displayed.

exit-point

Specify the name of the exit point that is to be displayed.

generic*-exit-point-name

Specify a generic name for the exit point. A generic name is a character string of one or more characters followed by an asterisk (*); for example, ABC*. If a generic name is specified, all exit points with names that begin with the generic name are shown.
Exit point format (FORMAT)

Specifies the format name of the exit point to work with.

The possible values are:

*ALL  All formats for the specified exit point are displayed.

format  Specify the name of the exit point format.

generic*-format  Specify a generic name for the exit point format. A generic name is a character string of one or more characters followed by an asterisk (*); for example, ABC*. If a generic name is specified, all formats that begin with the generic name are shown.

Output (OUTPUT)

Specifies whether the output from the command is displayed at the requesting work station or printed with the job’s spooled output.

The possible values are:

*  The output is displayed.

-  The output is printed with the job’s spooled output.

Examples

Example 1: Printing Registration Information

WRKREGINF  OUTPUT(*PRINT)

This command produces a report of all registered exit points and their exit programs using the QSYSPRT printer file.

Example 2: Displaying Registration Information

WRKREGINF  EXITPNT(*REGISTERED)  FORMAT(FMT*)

This command displays all registered exit points with a format name that starts with the letters ‘FMT’.

Error messages

*ESCAPE Messages

CPF3CDA  Registration facility repository not available for use.

CPF3CD9  Requested function cannot be performed at this time.
CPF3CEF
   Error occurred displaying exit points.

CPF7D41
   Error occurred while logging order assistance request.

CPF7D42
   Error occurred while performing database operation.

CPF9871
   Error occurred while processing.
IBM Systems - iSeries: i5/OS Commands Starting with WRKNTWAUTE (Work with NetWare Authentication Entries)
Work with Remote Definitions (WRKRMTDFN)

Where allowed to run: Interactive environments (*INTERACT
*IPGM *IREXX *EXEC)
Threadsafe: No

The Work with Remote Definitions (WRKRMTDFN) command can be used to work with entries in the remote system definition table.

Restriction: You must have *ALLOBJ authority to use this command.

There are no parameters for this command.

Parameters

None

Examples

WRKRMTDFN

This command shows the Work with Remote Definitions panel, from which you can add, change, remove, display, or print the remote definition for a particular system.

Error messages

*ESCAPE Messages

CPF6DCF
Not authorized to perform functions.

CPF7D41
Error occurred while logging order assistance request.

CPF7D42
Error occurred while performing database operation.

CPF9871
Error occurred while processing.

CPF9899
Error occurred during processing of command.
Work with Reply List Entries (WRKRPYLE)

Where allowed to run: All environments (*ALL)
Threadsafe: No

The Work with System Reply List Entries (WRKRPYLE) command can be used to display or print all the reply entries currently in the system message reply list. The system reply list contains the replies that are automatically sent in response to inquiry messages. The following information is shown for each reply in the system reply list:

- Sequence number
- Message ID
- Reply
- Dump indication
- Compare value
- Compare start position

From this display, you can add, change, or remove individual reply list entries.

The reply list is only used when an inquiry message is sent by a job that has the inquiry message reply attribute of the system reply list specified (*SYSPRL is specified for the INQMSGRPY parameter). The INQMSGRPY attribute can be changed with the CHGJOB command.

You can add reply list entries with the Add Reply List Entry (ADDRPYLE) command. Specific attributes of a reply list entry can be changed with the Change Reply List Entry (CHGRPYLE) command. Each reply list entry remains in the list until it is removed by the Remove Reply List Entry (RMVRPYLE) command.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>OUTPUT</td>
<td>Output</td>
<td>* *PRINT</td>
<td>Optional, Positional 1</td>
</tr>
</tbody>
</table>

Output (OUTPUT)

Specifies whether the output from the command is displayed at the requesting work station or printed with the job’s spooled output.

* The output is displayed for interactive jobs or printed with the job’s spooled output for non-interactive jobs.

*PRINT

The output is printed with the job’s spooled output.
Examples
WRKRPYLE  OUTPUT(*PRINT)

This command prints the entries in the system reply list.

Error messages

*ESCAPE Messages

CPF2435
System reply list not found.

CPF2557
System reply list damaged.

CPF2558
System reply list currently in use.

CPF9845
Error occurred while opening file &1.

CPF9846
Error while processing file &1 in library &2.

CPF9847
Error occurred while closing file &1 in library &2.
Work with RouteD Configuration (WRKRTDCFG)

Where allowed to run: Interactive environments (*INTERACT
*IPGM *IREXX *EXEC)
Threadsafe: No

The Work with RouteD Configuration (WRKRTDCFG) command shows a list of Routing Information Protocol (RIP) configuration entries. From this list you can you can add, change, copy, remove or display the individual entries. You can also print the list. Each entry represents a RouteD option used by the RouteD server to determine how the server will operate.

There are no parameters for this command.

Restrictions:

You must have *IOSYSCFG special authority to add, change, copy, insert, or remove RouteD configuration entries. If you do not have *IOSYSCFG special authority, you can only display the configuration entries.

Parameters

None

Examples

WRKRTDCFG

This command displays the Work with RouteD Configuration menu.

Error messages

*ESCAPE Messages

CPF6A50
    Error was found during display file or printer file operation.

TCP1562
    Cannot display work with panel.

TCP1571
    Entry cannot be displayed.

TCP264D
    Error occurred processing file.

TCP547D
    Program &1 not able to create internal space.
TCP5480
Configuration file member &1 of file &3 in library &2 has reached the limit of 10000 entries.

TCP5483
Configuration file maximum record length not valid

TCP9503
File &3 in library &2 not available.
Work with S/36 Configuration (WRKS36)

Where allowed to run: Interactive environments (*INTERACT
*IPGM *IREXX *EXEC)
Threadsafe: No

The Work with System/36 (WRKS36) command shows the Work with System/36 Environment Configuration display.

There are no parameters for this command.

Parameters
None

Examples
WRKS36

This command displays the Work with System/36 Environment Configuration panel.

Error messages
None
IBM Systems - iSeries: i5/OS Commands Starting with WRKNTWAUTE (Work with NetWare Authentication Entries)
Work with S/36 Program Attr (WRKS36PGMA)

**Where allowed to run:** Interactive environments (*INTERACT
*IPGM *IREXX *EXEC)

**Threadsafe:** No

The Work with System/36 Program Attributes (WRKS36PGMA) command shows the Work with System/36 Program Attributes display. The display is a list of programs from a specified library.

### Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PGM</td>
<td>S/36 program</td>
<td>Qualified object name</td>
<td>Required, Positional 1</td>
</tr>
<tr>
<td></td>
<td>Qualifier 1: S/36 program</td>
<td>Name, *ALL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Qualifier 2: Library</td>
<td>Name, *LIBL, *CURLIB</td>
<td></td>
</tr>
</tbody>
</table>

**S/36 program (PGM)**

Specifies the qualified name of the program.

The possible library values are:

*LIBL  The library list is used to locate the program.
*CURLIB  The current library for the job is used to locate the program. If no library is specified as the current library for the job, the QGPL library is used.

*library-name

Specify the name of the library where the program is located.

The possible values are:

*ALL  All programs in the library are shown.

*program-name

Specify a program name.

### Examples

**WRKS36PGMA**  **PGM(IDENTIFY)**

This command displays the Work with S/36 Program Attributes panel, showing a list of attributes for program IDENTIFY which will be located using the library list.
Error messages

None
Work with S/36 Procedure Attr (WRKS36PRCA)

Where allowed to run: Interactive environments (*INTERACT
*IPGM *IREXX *EXEC)
Threadsafe: No

The Work with System/36 Procedure Attributes (WRKS36PRCA) command shows the Work with System/36 Procedure Attributes display. The display is a list of procedures from a specified library.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>FILE</td>
<td>Source file</td>
<td>Qualified object name</td>
<td>Optional, Positional 1</td>
</tr>
<tr>
<td></td>
<td>Qualifier 1: Source file</td>
<td>Name, QS36PRC</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Qualifier 2: Library</td>
<td>Name, *LIBL, *CURLIB</td>
<td></td>
</tr>
<tr>
<td>MBR</td>
<td>S/36 procedure member</td>
<td>Name, *ALL</td>
<td>Optional, Positional 2</td>
</tr>
</tbody>
</table>

Source file (FILE)

Specifies the name of the file being used by the program to which this command is applied.

The possible library values are:

*LIBL The library list is used to locate the file.
*CURLIB The current library for the job is used to locate the file. If no library is specified as the current library for the job, the QGPL library is used.

library-name
Specify the name of the library where the file is located.

The possible values are:

*QS36PRC The default source physical file is used.

source-file-name
Specify the name of the source file.

S/36 procedure member (MBR)

Specifies the name of a procedure member file.

The possible values are:
*ALL  The attributes of all procedure members in the file are specified.

procedure-member-name
    Specify a procedure member name.

Examples

WRKS36PRCA  FILE(RESEARCH)

This command displays the Work with S/36 Procedure Attributes panel, showing a list of attributes for all System/36 environment procedure members from file RESEARCH. The file is located using the library list.

Error messages

None
Work with S/36 Source Attr (WRKS36SRCA)

Where allowed to run: Interactive environments (*INTERACT *IPGM *IREXX *EXEC)
Threadsafe: No

The Work with System/36 Source Attributes (WRKS36PRCA) command shows the Work with System/36 Source Attributes display. The display is a list of source members within a specified source file.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>FILE</td>
<td>Source file</td>
<td>Qualified object name</td>
<td>Optional, Positional 1</td>
</tr>
<tr>
<td></td>
<td>Qualifier 1: Source file</td>
<td>Name, QS36SRC</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Qualifier 2: Library</td>
<td>Name, *LIBL, *CURLIB</td>
<td></td>
</tr>
<tr>
<td>MBR</td>
<td>S/36 source member</td>
<td>Name, *ALL</td>
<td>Optional, Positional 2</td>
</tr>
</tbody>
</table>

Source file (FILE)

Specifies the name of the file being used by the program to which this command is applied.

The possible library values are:

*LIBL The library list is used to locate the file.
*CURLIB The current library for the job is used to locate the file. If no library is specified as the current library for the job, the QGPL library is used.

library-name

Specify the name of the library where the file is located.

The possible values are:

*QS36SRC The default source physical file is used.

source-file-name

Specify the name of the source file.

S/36 source member (MBR)

Specifies the name of a source member file.

The possible values are:
*ALL  The attributes of all procedure members in the file are specified.

procedure-member-name  Specify a procedure member name.

Examples
WRKS36SRCA  FILE(MESSAGE)  MBR(TEXT)

This command displays the Work with S/36 Source Attributes panel, showing a list of attributes for System/36 environment source member TEXT from file MESSAGE. The file is located using the library list.

Error messages
None
Work with Submitted Jobs (WRKSBMJOB)

Where allowed to run: All environments (*ALL)
Threadsafe: No

The Work with Submitted Jobs (WRKSBMJOB) command allows you to work with all jobs submitted from your work station, job, or user profile. Jobs submitted with *NO specified for the Allow display by WRKSBMJOB (DSPSBMJOB) parameter of a Submit Job (SBMJOB) command are not displayed by this command.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>SBMFROM</td>
<td>Jobs submitted from</td>
<td>*USER, *WRKSTN, *JOB</td>
<td>Optional, Positional 1</td>
</tr>
<tr>
<td>OUTPUT</td>
<td>Output</td>
<td>*PRINT</td>
<td>Optional, Positional 2</td>
</tr>
</tbody>
</table>

Jobs submitted from (SBMFROM)

Specifies the type of submitted jobs that are displayed.

*USER
Jobs that were submitted from a job having the same user profile as the job in which this command is entered are displayed.

*JOB
Jobs displayed that were submitted from the same job in which this command is entered are displayed.

*WRKSTN
Jobs that were submitted from the same work station at which this command is entered are displayed.

Output (OUTPUT)

Specifies whether the output from the command is displayed at the requesting work station or printed with the job’s spooled output.

* The output is displayed for interactive jobs or printed with the job’s spooled output for non-interactive jobs.

*PRINT
The output is printed with the job’s spooled output.
Examples

WRKSBMJOB SBMFROM(*USER)

This command allows you to work with or change a list of jobs that are submitted by a job running under the same user profile as the job where this command is run.

Error messages

*ESCAPE Messages

CPF9845
Error occurred while opening file &1.

CPF9846
Error while processing file &1 in library &2.

CPF9847
Error occurred while closing file &1 in library &2.

CPF9850
Override of printer file &1 not allowed.

CPF9851
Overflow value for file &1 in &2 too small.

CPF9871
Error occurred while processing.
Work with Subsystems (WRKSBS)

Where allowed to run: All environments (*ALL)
Threadsafe: No

The Work with Subsystems (WRKSBS) command allows you to work with each active subsystem in the system. Also, if one of the subsystems shown on the display is selected, additional information listing all of the jobs active in that subsystem can be displayed.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>OUTPUT</td>
<td>Output</td>
<td>*:*PRINT</td>
<td>Optional, Positional 1</td>
</tr>
</tbody>
</table>

Output (OUTPUT)

Specifies whether the output from the command is displayed at the requesting work station or printed with the job’s spooled output.

* The output is displayed for interactive jobs or printed with the job’s spooled output for non-interactive jobs.

*PRINT
The output is printed with the job’s spooled output.

Examples

WRKSBS

This command, entered from a work station, allows you to work with active subsystems. If the command is entered from a batch job, the output information is directed to the job’s output spooling queue and printed.

Error messages

*ESCAPE Messages

CPF9845
Error occurred while opening file &1.

CPF9846
Error while processing file &1 in library &2.
CPF9847
   Error occurred while closing file &1 in library &2.

CPF9850
   Override of printer file &1 not allowed.

CPF9851
   Overflow value for file &1 in &2 too small.

CPF9871
   Error occurred while processing.
Work with Subsystem Desc (WRKSBSD)

Where allowed to run: Interactive environments (*INTERACT *IPGM *IREXX *EXEC)
Threads: No

The Work with Subsystem Descriptions (WRKSBSD) command shows a list of subsystem descriptions and allows you to change, delete, display, start, and end specified subsystem descriptions. You can also work with subsystem jobs for a specified job description.

Restrictions:
1. Only the libraries to which you have USE authority will be searched.
2. Only the subsystem descriptions to which you have some authority will be shown on the display.
3. To perform operations on the subsystem descriptions, you must have USE authority to the command used by the operation, and the appropriate authority to the subsystem descriptions on which the operation is to be performed.
4. You must have object operational and object management authorities to the subsystem descriptions.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>SBSD</td>
<td>Subsystem description</td>
<td>Qualified object name</td>
<td>Required, Positional 1</td>
</tr>
<tr>
<td></td>
<td>Qualifier 1: Subsystem description</td>
<td>Generic name, name, *ALL</td>
<td></td>
</tr>
</tbody>
</table>

Subsystem description (SBSD)

Specifies the name and library of the subsystem descriptions that are listed on the Work with Subsystem Descriptions display.

This is a required parameter.

The possible values are:

*ALL All subsystem descriptions are listed.

generic*-subsystem-description-name Specify the generic name of the subsystem descriptions. A generic name is a character string that contains one or more characters followed by an asterisk (*). For example, ABC*.

subsystem-description-name Specify the name of the subsystem description to be listed. If *LIBL or *USRLIBL is specified as the library name, only the first subsystem description found with the specified name is listed.

Qualifier 2: Library
*LIBL  All libraries in the library list for the current thread are searched. All objects in these libraries with the specified object name are shown.

*CURLIB  
The current library for the thread is searched. If no library is specified as the current library for the thread, the QGPL library is searched.

*USRLIBL  
If a current library entry exists in the library list for the current thread, the current library and the libraries in the user portion of the library list are searched. If there is no current library entry, only the libraries in the user portion of the library list are searched.

*ALLUSR  
All user libraries are searched. All libraries with names that do not begin with the letter Q are searched except for the following:

#CGULIB  #DSULIB  #SEULIB
#COBLIB  #RPGLIB
#DFULIB  #SDALIB

Although the following Qxxx libraries are provided by IBM, they typically contain user data that changes frequently. Therefore, these libraries are considered user libraries and are also searched:

QDSNX  QRClxxxxx  QUSRIJS  QUSRVxRxMx
QGPL  QSRVAGT  QUSRINFSKR
QGPL38  QSYS2  QUSRNOTES
QMGTC  QSYS2xxxxx  QUSROND
QMGTC2  QS36F  QUSRPOSS
QMPLDATA  QUSER3B  QUSRPOSSA
QMQDATA  QUSRADSM  QUSRPOSSVR
QMPROPROC  QUSRBRM  QUSRRODARS
QFRDATA  QUSRDIRCL  QUSRROD
QRC  QUSRDIRDB  QUSRVI

1. ‘xxxxx’ is the number of a primary auxiliary storage pool (ASP).
2. A different library name, in the format QUSRVxRxMx, can be created by the user for each previous release supported by IBM to contain any user commands to be compiled in a CL program for the previous release. For the QUSRVxRxMx user library, VxRxMx is the version, release, and modification level of a previous release that IBM continues to support.

*ALL  All libraries in the system, including QSYS, are searched.

name  Specify the name of the library to be searched.

**Examples**

WRKSBSD  SBSD(LIB6/ORDER*)

This command displays the Work with Subsystem Descriptions panel, showing a list of all subsystem descriptions in library LIB6 whose names start with the letters ’ORDER’. From this panel, you can select options to work with any of the listed subsystem descriptions.

**Error messages**

*ESCAPE Messages  
CPF9809

Library &1 cannot be accessed.
IBM Systems - iSeries: i5/OS Commands Starting with WRKNTWAUTE (Work with NetWare Authentication Entries)
Work with Subsystem Jobs (WRKSBSJOB)

Where allowed to run: All environments (*ALL)
Threadsafe: No

The Work with Subsystem Jobs (WRKSBSJOB) command allows you to work with jobs running in subsystems in the system, and jobs that are on a job or output queue. If a user name is specified, only those jobs belonging to the specified user are shown. Also, if one of the jobs shown on the subsystem display is selected, additional information about that job can be displayed.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>SBS</td>
<td>Subsystem</td>
<td>*Name, *ALL, *JOBQ, *OUTQ</td>
<td>Optional, Positional 1</td>
</tr>
<tr>
<td>USER</td>
<td>User whose jobs to display</td>
<td>*Name, *ALL</td>
<td>Optional</td>
</tr>
<tr>
<td>OUTPUT</td>
<td>Output</td>
<td>*SAVE, *PRINT</td>
<td>Optional</td>
</tr>
</tbody>
</table>

Subsystem (SBS)

Specifies the name of the subsystem (or all subsystems) for which the job name and job status of each job currently active in the subsystem, or jobs on a job queue or output queue are worked with.

*ALL     All jobs in all subsystems have their job information displayed. In this case, jobs that are on job queues and on output queues are also displayed.

*JOBQ    Jobs that are on a job queue are worked with.

*OUTQ    Jobs that have completed running and have spooled files on an output queue are worked with.

Note: This includes readers and writers, but does not include system jobs or subsystem monitor jobs.

name     Specify the name of the subsystem. All active jobs in this subsystem are displayed.

User whose jobs to display (USER)

Specifies the name of the user whose jobs are displayed.

*ALL     All jobs being processed under all user names are displayed.

name     Specify a user name. All jobs with this user name are displayed.
**Output (OUTPUT)**

Specifies whether the output from the command is displayed at the requesting work station or printed with the job’s spooled output.

* The output is displayed for interactive jobs or printed with the job’s spooled output for non-interactive jobs.

*PRINT

The output is printed with the job’s spooled output.

---

**Examples**

**Example 1: Working With All Jobs**

WRKSBSJOB

This command, entered from a work station, allows you to work with all jobs in all subsystems, and the jobs on the job queues and output queues.

**Example 2: Working With One User’s Job**

WRKSBSJOB SBS(QBATCH) USER(JONES)

This command allows you to work with all jobs in the QBATCH subsystem that belong to the user profile of the user named JONES.

**Example 3: Working With Jobs on an Output Queue**

WRKSBSJOB SBS(*OUTQ)

This command allows you to work with jobs that are on an output queue.

---

**Error messages**

*ESCAPE Messages*

CPF1003

Subsystem &1 not active.

CPF9846

Error while processing file &1 in library &2.

CPF9847

Error occurred while closing file &1 in library &2.

CPF9850

Override of printer file &1 not allowed.

CPF9851

Overflow value for file &1 in &2 too small.

CPF9871

Error occurred while processing.
Work with Search Indexes (WRKSCHIDX)

Where allowed to run: Interactive environments (*INTERACT
*IPGM *IREXX *EXEC)

Threadsafe: No

The Work with Search Indexes (WRKSCHIDX) command allows you to show a list of search indexes from one or more libraries.

Restriction:
• Only the libraries to which you have use (*USE) authority will be searched.
• Only the search indexes forms to which you have some authority will be shown on the display.
• To work with search index entries, you must have *USE authority to the Work with Search Index Entries (WRKSCHIDXE) command, and change (*CHANGE) authority for the search index.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCHIDX</td>
<td>Search index</td>
<td>Qualified object name</td>
<td>Required, Positional 1</td>
</tr>
<tr>
<td>Qualifier 1: Search index</td>
<td>Generic name, name, *ALL</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Search index (SCHIDX)

Specifies the search indexes to be shown.

This is a required parameter.

Qualifier 1: Search index

*ALL    All search indexes are shown.

generic-name

Specify the generic name of the search indexes to be shown. A generic name is a character string that contains one or more characters followed by an asterisk (*). If a generic name is specified, all search indexes that have names with the same prefix as the generic name are shown.

name

Specify the name of the search index to be shown.

Qualifier 2: Library

*LIBL    All libraries in the library list for the current thread are searched. All objects in these libraries with the specified object name are shown.

*CURLIB

The current library for the thread is searched. If no library is specified as the current library for the thread, the QGPL library is searched.
*USRLIBL
If a current library entry exists in the library list for the current thread, the current library and the libraries in the user portion of the library list are searched. If there is no current library entry, only the libraries in the user portion of the library list are searched.

*ALLUSR
All user libraries are searched. All libraries with names that do not begin with the letter Q are searched except for the following:

#CGULIB  #DSULIB  #SEULIB
#COBLIB  #RPGLIB  #DFULIB  #SDALIB

Although the following Qxxx libraries are provided by IBM, they typically contain user data that changes frequently. Therefore, these libraries are considered user libraries and are also searched:

QDSNX  QRCLxxxxx  QUSRRIJS  QUSRVxRxMx
QGPL  QSRVAGT  QUSRINFSKR
QGPL3B  QSYS2  QUSRNOTES
QMTC  QSY5xxxxx  QUSROND
QMTC2  Q36F  QUSRPOSGS
QMPGDATA  QUSER3B  QUSRPOSSA
QMQMDATA  QUSRADSM  QUSRPOYSVR
QMQMPROC  QUSRBRM  QUSRNDARS
QPFRODATA  QUSER1RCL  QUSRYS
QRCL  QUSER1RDB  QUSRVI

1. 'xxxxx' is the number of a primary auxiliary storage pool (ASP).
2. A different library name, in the format QUSRVxRxMx, can be created by the user for each previous release supported by IBM to contain any user commands to be compiled in a CL program for the previous release. For the QUSRVxRxMx user library, VxRxMx is the version, release, and modification level of a previous release that IBM continues to support.

*ALL  All libraries in the system, including QSYS, are searched.

name Specify the name of the library to be searched.

Examples

WRKSCHIDX  SCHIDX(*ALL)

This command displays the Work with Search Indexes panel, showing a list of all the search indexes in the library list.

Error messages

*ESCAPE Messages

CPF9809

Library &1 cannot be accessed.
Work Search Index Entry (WRKSCHIDXE)

Where allowed to run: Interactive environments (*INTERACT
*IPGM *IREXX *EXEC)
Threadsafe: No

The Work with Search Index Entries (WRKSCHIDXE) command allows you to add entries to and remove entries from a search index, and to display the details of a search index entry.

Restrictions:
• You must have change (*CHANGE) authority for the search index for which you want to display, add, or remove entries.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCHIDX</td>
<td>Search index</td>
<td>Qualified object name</td>
<td>Required, Positional 1</td>
</tr>
<tr>
<td>Qualifier 1: Search index</td>
<td>Name</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Qualifier 2: Library</td>
<td>Name, *LIBL, *CURLIB</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Search index (SCHIDX)

Specifies the search index that contains the entries you want to display, add, or remove.

This is a required parameter.

Qualifier 1: Search index

name Specify the name of the search index.

Qualifier 2: Library

*LIBL All libraries in the library list for the current thread are searched until the first match is found.
*CURLIB The current library for the job is used to locate the search index. If no library is specified as the current library for the job, QGPL is used.

name Specify the name of the library where the search index is located.

Examples

WRKSCHIDXE SCHIDX(*LIBL/PAYROLL)

This command displays the Work with Search Index Entries panel, showing a list of panel group objects added to the search index PAYROLL. The search index is found by searching the library list.
Error messages

None
Work with Software Agreements (WRKSFWAGR)

Where allowed to run: All environments (*ALL)
Threadsafe: No

The Work with Software Agreements (WRKSFWAGR) command allows the user to display or print the software agreement documents for their installed licensed programs.

There are no parameters for this command.

Parameters
None

Examples
WRKSFWAGR

This command displays the Work with Software Agreements panel, showing a list of licensed programs currently installed on the system that have online software agreements and gives the option to display or print them.

Error messages
None
IBM Systems - iSeries: i5/OS Commands Starting with WRKNTWAUTE (Work with NetWare Authentication Entries)
Work with Shared Storage Pools (WRKSHRPOOL)

Where allowed to run: All environments (*ALL)  
Threadsafe: No

The Work with Shared Storage Pools (WRKSHRPOOL) command allows you to show, print, or change shared storage pools. The machine pool and base pool system values are also shown. The pool size and activity level can be changed by typing over the values on the display. Shared pools can be changed to *NOSTG by blanking out the size and activity level.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>OUTPUT</td>
<td>Output</td>
<td>* *PRINT</td>
<td>Optional, Positional 1</td>
</tr>
</tbody>
</table>

Output (OUTPUT)

Specifies whether the output from the command is displayed at the requesting work station or printed with the job’s spooled output.

* The output is displayed for interactive jobs or printed with the job’s spooled output for non-interactive jobs.

*PRINT The output is printed with the job’s spooled output.

Examples

WRKSHRPOOL OUTPUT(*)

This command displays the Work with Shared Pools panel, showing shared storage pool information.

Error messages

*ESCAPE Messages

CPF9871  
Error occurred while processing.
Work with Sphere of Control (WRKSOC)

Where allowed to run: Interactive environments (*INTERACT *IPGM *IREXX *EXEC)
Threadsafe: No

The Work with Sphere of Control (WRKSOC) command deletes, adds, or shows the current status of the control point names that you explicitly define.

There are no parameters for this command.

Parameters

None

Examples

WRKSOC

This command displays the Work with Sphere of Control panel.

Error messages

None
Work with Spelling Aid Dict (WRKSPADCT)

Where allowed to run: Interactive environments (*INTERACT
*IPGM *IREXX *EXEC)
Threadsafe: No

The Work with Spelling Aid Dictionaries (WRKSPADCT) command allows you to show a list of available spelling aid dictionaries.

Restrictions:
- Only the libraries to which you have use (*USE) authority will be searched.
- Only the spelling aid dictionaries to which you have some authority will be shown on the display.
- To perform operations on the spelling aid dictionaries, you must have *USE authority to the command used by the operation, and the appropriate authority to the spelling aid dictionaries on which the operation is to be performed.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPADCT</td>
<td>Spelling aid dictionary</td>
<td>Qualified object name</td>
<td>Required,</td>
</tr>
<tr>
<td></td>
<td>Qualifier 1: Spelling aid</td>
<td>Generic name, name, *ALL</td>
<td>Positional 1</td>
</tr>
<tr>
<td></td>
<td>dictionary</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Spelling aid dictionary (SPADCT)

Specifies the spelling aid dictionaries to be shown.

This is a required parameter.

Qualifier 1: Spelling aid dictionary

*ALL   All spelling aid dictionaries are shown.

generic-name

Specify the generic name of the spelling aid dictionaries to be shown. A generic name is a character string that contains one or more characters followed by an asterisk (*). If a generic name is specified, all spelling aid dictionaries that have names with the same prefix as the generic name are shown.

name   Specify the name of the spelling aid dictionary to be shown.

Qualifier 2: Library

*LIBL  All libraries in the library list for the current thread are searched. All objects in these libraries with the specified object name are shown.
*CURLIB
The current library for the thread is searched. If no library is specified as the current library for the thread, the QGPL library is searched.

*USRLIBL
If a current library entry exists in the library list for the current thread, the current library and the libraries in the user portion of the library list are searched. If there is no current library entry, only the libraries in the user portion of the library list are searched.

*ALLUSR
All user libraries are searched. All libraries with names that do not begin with the letter Q are searched except for the following:

#CGULIB  #DSULIB  #SEULIB
#COBLIB  #RPGLIB
#DFULIB  #SDALIB

Although the following Qxxx libraries are provided by IBM, they typically contain user data that changes frequently. Therefore, these libraries are considered user libraries and are also searched:

QDSNX  QRCxxxxxx  QUSRxxx  QRUSRVxxRxMx
QGPL   QSRVAGT   QUSRINFSKR
QGPL3B QSYS2      QUSRNOTES
QMGT2  QSYS2xxxxxx QUSROND
QMTC2  QS36F      QUSRPOSGS
QMPGDATA QUSER3B   QUSRPOSSA
QMQMDATA QUSRADSM  QUSRPOSSR
QMMPROC QUSRBAM   QUSRDRARS
QFFDATA QUSRDR1CL  QUSRDS
QRC    QUSRD1RDQ  QUSRVI

1. ‘xxxxx’ is the number of a primary auxiliary storage pool (ASP).
2. A different library name, in the format QUSRVxRxMx, can be created by the user for each previous release supported by IBM to contain any user commands to be compiled in a CL program for the previous release. For the QUSRVxRxMx user library, VxRxMx is the version, release, and modification level of a previous release that IBM continues to support.

*ALL All libraries in the system, including QSYS, are searched.

name Specify the name of the library to be searched.

Examples

WRKSPADCT SPADCT(*ALL)

This command displays the Work with Spelling Aid Dictionaries panel, showing a list of all the spelling aid dictionaries in the library list.

Error messages

*ESCAPE Messages

CPF9809
Library &1 cannot be accessed.
Work with Spooled Files (WRKSPLF)

Where allowed to run: All environments (*ALL)
Threadsafe: No

The Work with Spooled Files (WRKSPLF) command displays a list of all the spooled files on the system or a selected list from them. You can choose to change, hold, delete, display, or release any or all of the entries that are displayed.

Performance Considerations: The amount of time needed to show the list of spooled files depends on the selection criteria used and the number of spooled files in the list. On a system with a large number of spooled files, it may be necessary to view a selected list of the system's spooled files. For additional performance information for WRKSPLF, see the Spool Performance Considerations experience report in the iSeries Information Center at http://www.ibm.com/eserver/iseries/infocenter.

### Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>SELECT</td>
<td>Select files for</td>
<td>Element list</td>
<td>Optional,</td>
</tr>
<tr>
<td></td>
<td>Element 1: User</td>
<td>Generic name, name, *CURRENT, *ALL</td>
<td>Positional 1</td>
</tr>
<tr>
<td></td>
<td>Element 2: Print device</td>
<td>Name, *ALL, *OUTQ</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Element 3: Form type</td>
<td>Character value, *ALL, *STD</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Element 4: User data</td>
<td>Character value, *ALL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Element 5: ASP</td>
<td>1-32, *ALL, *ASPDEV</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Element 6: Spooled file</td>
<td>Generic name, name, *ALL</td>
<td></td>
</tr>
<tr>
<td>JOB</td>
<td>Job name</td>
<td>Single values: *ALL</td>
<td>Optional</td>
</tr>
<tr>
<td></td>
<td>Qualifier 1: Job name</td>
<td>Generic name, name</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Qualifier 2: User</td>
<td>Generic name, name, *ALL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Qualifier 3: Number</td>
<td>000000-999999, *ALL</td>
<td></td>
</tr>
<tr>
<td>PERIOD</td>
<td>Time period</td>
<td>Element list</td>
<td>Optional</td>
</tr>
<tr>
<td></td>
<td>Element 1: Start time and date</td>
<td>Element list</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Element 1: Beginning time</td>
<td>Time, *AVAIL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Element 2: Beginning date</td>
<td>Date, *BEGIN</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Element 2: End time and date</td>
<td>Element list</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Element 1: Ending time</td>
<td>Time, *AVAIL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Element 2: Ending date</td>
<td>Date, *END</td>
<td></td>
</tr>
<tr>
<td>ASPDEV</td>
<td>ASP device</td>
<td>Name, *SYSBAS, *CURASPGRP</td>
<td>Optional</td>
</tr>
<tr>
<td>OUTPUT</td>
<td>Output</td>
<td>*PRINT</td>
<td>Optional</td>
</tr>
<tr>
<td>DSPFMT</td>
<td>Display format</td>
<td>*INLENV, *S36FMT, *NORMAL</td>
<td>Optional,</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Positional 2</td>
</tr>
<tr>
<td>ASTLVL</td>
<td>Assistance level</td>
<td>*PRV, USRPRF, *BASIC, *INTERMED</td>
<td>Optional</td>
</tr>
</tbody>
</table>

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Select files for (SELECT)

Specifies which group of files is selected to be displayed. Positional values can be specified to select the files: the user that created the file, the device that the file is queued for, the form type specified, the user data tag associated with the file, the auxiliary storage pool the file is in, or the spooled file name. Only files that meet each of the values are selected.

Element 1: User

*CURRENT
Only files created by the user running this command are selected.

*ALL Files created by all users are selected.

generic-name
Files created by all users that meet the criteria are selected. A generic name is a character string that contains one or more characters followed by an asterisk (*); for example, ABC*. The asterisk substitutes for any valid characters. If an asterisk is not specified with the name, the system assumes that the name is a complete user name.

name Specify a user name. Only files created by that user name are selected.

Element 2: Print device

*ALL Files on any device-created or user-created output queue are selected.

*OUTQ All files on any user-created output queue are selected. A user-created output queue is any output queue that is not automatically created by a device. A user-created output queue does not generally have the same name as a device, but if it does, it does not reside in library QUSRSYS.

name Specify a device name. Only files on the device-created output queue for that device are selected. A device-created output queue is one that has the same name as a device and resides in the QUSRSYS library. Unless it already exists, it will automatically be created by the system when the device is created. A device-created output queue cannot be deleted.

Element 3: Form type

*ALL Files for all form types are selected.

*STD Only files that specify the standard form type are selected.

character-value
Specify the form type to select the file.

Element 4: User data

*ALL Files with any user data tag specified are selected.

generic-user-data
Files with a user data tag that matches the criteria are selected. A generic user data tag is a character string that contains one or more characters and ends with an asterisk (*); for example, ABC*. The asterisk substitutes for any valid characters. If an asterisk is embedded in the middle of the string, for example ‘AB*C’, it will be treated as part of the comparison string.

user-data Specify the user data tag to select the file.

Element 5: ASP
**ALL**  All files as specified in the Auxiliary Storage Pool Device (ASPDEV) parameter are selected.

**ASPDEV**  
 Files specified in the Auxiliary Storage Pool Device (ASPDEV) parameter are selected.

1-32  Specify the auxiliary storage pool (ASP) of the files being selected.

**Element 6: Spooled file**

**ALL**  Files with any name are selected.

**generic-name**  
 All spooled files with a name that matches the generic name are selected. A generic name is a character string that contains one or more characters followed by an asterisk (*); for example, ABC*. The asterisk substitutes for any valid characters. If an asterisk is not specified with the name, the system assumes that the name is a complete spooled file name.

**name**  Specify the name of the spooled files to select.

---

**Job name (JOB)**

Specifies the name of the job or jobs that created the spooled files to be selected.

**Note:** This parameter is allowed only if *ALL is specified for the user name element of the SELECT parameter.

**Single values**

**ALL**  Spooled files created by all jobs are to be included.

**Qualifier 1: Select jobs**

**generic-name**  
 Spooled files created by jobs with the generic name specified are to be included. A generic name is a character string of one or more characters followed by an asterisk (*); for example, ABC*. The asterisk substitutes for any valid characters. A generic job name specifies all jobs with job names that begin with the generic prefix.

**name**  Spooled files created by jobs with the name specified are to be included.

**Qualifier 2: User**

**ALL**  All spooled files created by jobs that match the specified job name are included.

**generic-name**  
 Spooled files created by jobs with the generic user name specified are to be included.

**name**  Spooled files created by jobs with the user name specified are to be included.

**Qualifier 3: Number**

**ALL**  All spooled files created by jobs that match the specified job name and user name are to be included.

**000001-999999**  
 Specify the job number to further qualify the job name and user name.
**Time period (PERIOD)**

Specifies the period of time for selecting which spooled files are shown. This is the creation date and time of the spooled files. This parameter contains two element lists of two elements each.

**Element 1: Start time and date**

**Element 1: Beginning time**

One of the following is used to specify the starting time at which or after which the spooled files were created. Spooled files created before the specified time and date are not shown.

*AVAIL

Any spooled files created on or after the specified starting date are shown.

time Specify the starting time for the specified starting date. The time is specified in 24-hour format and can be specified with or without a time separator:

- Without a time separator, specify a string of 4 or 6 digits (hhmm or hhmmss) where hh = hours, mm = minutes, and ss = seconds. Hours, minutes, and seconds must each be exactly 2 digits. Use leading zeros if necessary. Valid values for hh range from 00 through 23. Valid values for mm and ss range from 00 through 59.
- With a time separator, specify a string of 5 or 8 characters where the time separator specified for your job is used to separate the hours, minutes, and seconds. If you enter this command from the command line, the string must be enclosed in apostrophes. If a time separator other than the separator specified for your job is used, this command will fail.

**Element 2: Beginning date**

One of the following is used to specify the starting date on which or after which the spooled files were created. Spooled files created before the specified date are not shown.

*BEG IN

Any spooled files that meet the other selection criteria are shown. When *BEGIN is specified for the starting date, a starting time value other than *AVAIL is ignored.

date Specify the starting date. The date must be entered in the format specified by the job value DATFMT and, if separators are used, the separator must be the date separator specified by the job value DATSEP.

**Element 2: End time and date**

**Element 1: Ending time**

One of the following is used to specify the ending time before which the spooled files were created.

*AVAIL

Any spooled files created on or before the specified ending date are shown.

time Specify the ending time for the specified ending date before which the spooled files were created.
Element 2: Ending date

One of the following is used to specify the ending date before which or on which the spooled files were created.

*END  The last day on which spooled files were created is used as the end date. If *END is specified, an ending time value other than *AVAIL is ignored.

date  Specify the ending date. The date must be entered in the format specified by the job value DATFMT and, if separators are used, the separator must be the date separator specified by the job value DATSEP.

ASP device (ASPDEV)

Specifies the auxiliary storage pool device from which spooled files are to be selected. This parameter is only valid if the ASP number (ASP) element of the SELECT parameter is *ALL or *ASPDEV.

*  Files which are found in the ASPs that are currently part of the thread’s library name space are selected. This includes the system ASP (ASP 1), all defined basic user ASPs (ASPs 2-32), and if the thread has an ASP group, the primary and secondary ASPs in the thread’s ASP group.

*SYSBAS  Files which are found in the system ASP (ASP 1) and all defined basic user ASPs (ASPs 2-32) are selected.

*CURASPGRP  Files which are found in the primary and secondary ASPs in the thread’s ASP group are selected. If no ASP group is associated with the thread, an error will be issued.

name  Specify the name of the auxiliary storage pool device description. Files which are found in the specified primary or secondary ASP are selected. Only primary or secondary ASPs which are in the thread’s ASP group may be specified. If no ASP group is associated with the thread, an error will be issued.

Output (OUTPUT)

Specifies whether the output is displayed at a display station or printed. If the output is displayed, it is sent to the work station that entered the command.

*  The output is displayed if requested by an interactive job or printed if requested by a batch job.

*PRINT  The output is printed.

Note: *PRINT cannot be specified if you are using a S/36 environment. If the command is run interactively, the output will be displayed but not printed. If the command is run in batch, an error message will be sent and no output will be produced.
Display format (DSPFMT)

Specifies the format and terminology to be used on the displays that result from running this command.

**Note:** If the System/36 display format is used, the Output (OUTPUT) parameter is ignored and the data is presented at the user’s display station.

**INLENV**

The format and terminology that is used is determined by the SPCENV (special environment) value specified in your user profile. If the SPCENV value is *S36, the System/36 terminology is used. All other values result in this system’s terminology being used.

**S36FMT**

System/36 terminology is used to display the information.

**NORMAL**

This system’s terminology is used to display the information.

Assistance level (ASTLVL)

Specifies which user interface to use.

**PRV**

The previous user interface used is shown.

**USRPRF**

The user interface specified on the Assistance level (ASTLVL) parameter of your user profile is used.

**BASIC**

The Operational Assistant user interface is used.

**INTERMED**

The system user interface is used.

**Examples**

**Example 1: Work with All Spooled Files**

WRKSPFLF  SELECT(*ALL  *ALL  *ALL  *ALL  *ALL  *ALL)  DSPFMT(*NORMAL)

This command displays the Work with Spooled Files panel, showing a list of all of the spooled files on the system. The terminology used is determined by the value on the SPCENV parameter in the user’s profile. The information goes to the display by default.

**Example 2: Work with Selected Spooled Files**

WRKSPFLF  SELECT(CASMITH  *ALL  *ALL  MEMO  *ALL  *ALL)

174  IBM Systems - iSeries: i5/OS Commands Starting with WRKNTWAUTE (Work with NetWare Authentication Entries)
This command allows you to work with all of the spooled files on the system for the user named CASMITH and that have 'MEMO' specified in the user data for the spooled file.

**Example 3: Work with Spooled Files by User Data**

WRKSPLF SELECT(*ALL *ALL *ALL '*SAV*' *ALL *ALL)

This command allows you to work with all of the spooled files on the system that have ”SAV” as the first four characters specified in the user data for the spooled file.

**Example 4: Work with Spooled Files by Date**

WRKSPLF SELECT(*ALL)
   PERIOD(('11:30:00' '01/12/2005') ('20:00:00' '01/12/2005'))

This command allows you to work with all of the spooled files on the system that have a create date and time between 11:30 AM and 8:00 PM on January 12, 2005.

---

**Error messages**

*ESCAPE Messages*

CPF1E94
   User name &1 does not exist.

CPF1E95
   Printer &1 not found.

CPF1E99
   Unexpected error occurred.

CPF337E
   ASP device &1 not in current ASP group for thread.

CPF337F
   ASP device &1 not allowed with ASP number &2.

CPF33D0
   Printer &1 does not exist.

CPF33D1
   User &1 does not exist.

CPF3302
   Override of print file &1 to file &2 not valid.

CPF3330
   Necessary resource not available.

CPF33FD
   ASP device &1 not allowed.

CPF3420
   System/36 display format not allowed in batch.

CPF7D41
   Error occurred while logging order assistance request.

CPF7D42
   Error occurred while performing database operation.
CPF9825
   Not authorized to device &1.

CPF9833
   *CURASPGRP or *ASPGRPPRI specified and thread has no ASP group.

CPF9845
   Error occurred while opening file &1.

CPF9846
   Error while processing file &1 in library &2.

CPF9871
   Error occurred while processing.

CPF88ED
   Device description &1 not correct for operation.
Work with Spooled File Attr (WRKSPLFA)

Where allowed to run: All environments (*ALL)
Threadsafe: No

The Work With Spooled File Attributes (WRKSPLFA) command shows the current attributes of the specified spooled file. The attributes can be displayed after the file is opened and while its file entry is still on the output queue.

### Parameters

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<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>FILE</td>
<td>Spooled file</td>
<td>Name</td>
<td>Required, Positional 1</td>
</tr>
<tr>
<td>JOB</td>
<td>Job name</td>
<td>Single values: *</td>
<td>Optional, Positional 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Other values: Qualified job name</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Qualifier 1: Job name</td>
<td>Name</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Qualifier 2: User</td>
<td>Name</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Qualifier 3: Number</td>
<td>000000-999999</td>
<td></td>
</tr>
<tr>
<td>SPLNBR</td>
<td>Spooled file number</td>
<td>1-999999, *ONLY, *LAST, *ANY</td>
<td>Optional, Positional 3</td>
</tr>
<tr>
<td>JOBSYSNAME</td>
<td>Job system name</td>
<td>Name, *ONLY, *CURRENT, *ANY</td>
<td>Optional</td>
</tr>
<tr>
<td>CRTDATE</td>
<td>Spooled file created</td>
<td>Single values: *ONLY, *LAST</td>
<td>Optional</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Other values: Element list</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Element 1: Creation date</td>
<td>Date</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Element 2: Creation time</td>
<td>Time, *ONLY, *LAST</td>
<td></td>
</tr>
<tr>
<td>OUTPUT</td>
<td>Output</td>
<td>* PRINT</td>
<td>Optional</td>
</tr>
</tbody>
</table>

### Spooled file (FILE)

Specifies the spooled file for which you wish to display the attributes.

This is a required parameter.

*name* Specify the file name of the spooled file to have its attributes displayed.

### Job name (JOB)

Specifies the name of the job that created the spooled file.

**Single values**

* The job that entered this command is the job that created the spooled file.
Qualifier 1: Job name

name Specify the name of the job that created the spooled file. If no other job qualifiers are given, all jobs currently in the system are searched for the simple name of the job.

Qualifier 2: User

name Specify the user name that identifies the user profile under which the job is run.

Qualifier 3: Number

000000-999999 Specify the system-assigned job number.

Spooled file number (SPLNBR)

Specifies the unique number of the spooled file in the job whose attributes are to be displayed.

*ONLY Only one spooled file in the job has the specified file name; therefore, the number of the spooled file is not necessary.

*LAST The spooled file with the highest number and the specified file name is used.

*ANY The spooled file number is not used to determine which spooled file is used. Use this value when the job system name parameter or the spooled file create date and time parameter is to take precedence over the spooled file number when selecting a spooled file.

1-999999 Specify the number of the spooled file with the specified file name whose attributes are displayed.

Job system name (JOBSYSNAME)

Specifies the name of the system where the job that created the spooled file (JOB parameter) ran. This parameter is considered after the job name, user name, job number, spooled file name, and spooled file number parameter requirements have been met.

*ONLY There is one spooled file with the specified job name, user name, job number, spooled file name, spooled file number, and spooled file create date and time.

*CURRENT The spooled file created on the current system with the specified job name, user name, job number, spooled file name, spooled file number, and create date and time is used.

*ANY The job system name is not used to determine which spooled file is used. Use this value when the spooled file create date and time parameter is to take precedence over the job system name when selecting a spooled file.

name Specify the name of the system where the job that created the spooled file ran.
Spooled file created (CRTDATE)

Specifies the date and time the spooled file was created. This parameter is considered after the job name, user name, job number, spooled file name, spooled file number, and job system name parameter requirements have been met.

Single values

*ONLY
There is one spooled file with the specified job name, user name, job number, spooled file name, spooled file number, and job system name.

*LAST
The spooled file with the latest create date and time of the specified job name, user name, job number, spooled file name, spooled file number, and job system name is used.

Element 1: Creation date

date Specify the date the spooled file was created.

Element 2: Creation time

*ONLY
There is one spooled file with the specified job name, user name, job number, spooled file name, spooled file number, job system name, and spooled file create date.

*LAST
The spooled file with the latest create time of the specified job name, user name, job number, spooled file name, spooled file number, job system name, and spooled file create date is used.

time Specify the time the spooled file was created.

Output (OUTPUT)

Specifies whether the output from the command is displayed at the requesting work station or printed with the job’s spooled output.

* The output is displayed if requested by an interactive job or printed if requested by a batch job.

*PRINT
The output is printed with the job’s spooled output.

Examples

WRKSPLFA FILE(QPRINT) OUTPUT(*PRINT)

This command prints a file containing the current attributes of the spooled file QPRINT and sends it to the job’s output queue to be printed. The job that entered this command must have produced only one output file named QPRINT.

Error messages

*ESCAPE Messages
CPF3302
Override of print file &1 to file &2 not valid.

CPF3303
File &1 not found in job &5/&4/&3.

CPF3309
No files named &1 are active.

CPF3330
Necessary resource not available.

CPF3336
Job &5/&4/&3 no longer in the system.

CPF3340
More than one file with specified name found in job &5/&4/&3.

CPF3342
Job &5/&4/&3 not found.

CPF3343
Duplicate job names found.

CPF3344
File &1 number &8 no longer in the system.

CPF7D41
Error occurred while logging order assistance request.

CPF7D42
Error occurred while performing database operation.

CPF9845
Error occurred while opening file &1.

CPF9846
Error while processing file &1 in library &2.

CPF9871
Error occurred while processing.
The Work with Service Agent (WRKSRVAGT) command allows a user to work with several functional areas of Service Agent. The area is specified by the Type (TYPE) parameter.

### Parameters

<table>
<thead>
<tr>
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<th>Description</th>
<th>Choices</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td><strong>TYPE</strong></td>
<td>Type</td>
<td>*SRVINF, *EVENT, *PRBLOGE, *THRESHOLD</td>
<td>Required, Positional 1</td>
</tr>
<tr>
<td><strong>CATEGORY</strong></td>
<td>Category</td>
<td>*ALL, *DASD, *TAPE, *PROC</td>
<td>Optional</td>
</tr>
<tr>
<td><strong>STATUS</strong></td>
<td>Reporting status</td>
<td>*ALL, *PENDING</td>
<td>Optional</td>
</tr>
<tr>
<td><strong>OUTPUT</strong></td>
<td>Output</td>
<td>*PRINT</td>
<td>Optional</td>
</tr>
<tr>
<td><strong>COLSRVINF</strong></td>
<td>Collect information</td>
<td>*YES, *NO</td>
<td>Optional</td>
</tr>
<tr>
<td><strong>SNDSRVINF</strong></td>
<td>Send information</td>
<td>*YES, *NO</td>
<td>Optional</td>
</tr>
<tr>
<td><strong>SRVINF</strong></td>
<td>Service information</td>
<td>Values (up to 9 repetitions): Character value, *ALL</td>
<td>Optional</td>
</tr>
<tr>
<td><strong>PRBID</strong></td>
<td>Problem identifier</td>
<td>Character value, *ALL</td>
<td>Optional</td>
</tr>
<tr>
<td><strong>SRVINFPB</strong></td>
<td>Information for a problem</td>
<td>*ALL, *PRIMARY, *SECONDARY</td>
<td>Optional</td>
</tr>
<tr>
<td><strong>PERIOD</strong></td>
<td>Period</td>
<td>Element list</td>
<td>Optional</td>
</tr>
<tr>
<td></td>
<td>Element 1: Start time and date</td>
<td>Element list</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Element 1: Start time</td>
<td>Time, *AVAIL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Element 2: Start date</td>
<td>Date, *BEGIN, *CURRENT</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Element 1: End time and date</td>
<td>Element list</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Element 1: End time</td>
<td>Time, *AVAIL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Element 2: End date</td>
<td>Date, *END, *CURRENT</td>
<td></td>
</tr>
<tr>
<td><strong>ORIGIN</strong></td>
<td>Originating system</td>
<td>Element list</td>
<td>Optional</td>
</tr>
<tr>
<td></td>
<td>Element 1: Network ID</td>
<td>Communications name, *ALL, *LOCAL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Element 2: Control point name</td>
<td>Communications name, *ALL, *LOCAL</td>
<td></td>
</tr>
<tr>
<td><strong>SRVID</strong></td>
<td>PMR number</td>
<td>Character value, *ALL</td>
<td>Optional</td>
</tr>
<tr>
<td><strong>SRVAGTONLY</strong></td>
<td>Service Agent only</td>
<td>*NO, *YES</td>
<td>Optional</td>
</tr>
<tr>
<td><strong>SUBTYPE</strong></td>
<td>Subtype</td>
<td>*SYSREFCDE, TABLE</td>
<td>Optional</td>
</tr>
<tr>
<td><strong>DEVICE</strong></td>
<td>Device</td>
<td>Character value</td>
<td>Optional</td>
</tr>
</tbody>
</table>
Type (TYPE)

Specifies the area of Service Agent you want to work with.

This is a required parameter.

*EVENT

The results of the product activity log analysis performed by Service Agent are displayed. During PAL analysis, Service Agent groups product activity log records by device, system reference code, and date. Specifying TYPE(*EVENT) will display information about each such group of product activity log records, how many records make up the group, and what action Service Agent took for each record.

*SRVINF

The process of collecting and sending service information to IBM is started immediately.

*PRBLOGE

Provides a customized front end to the WRKPRB command. It exposes only the service related parameters of WRKPRB to make problem determination easier for service personnel.

The Work with Problems (WRKPRB) command works with the Work with Problems display. You can use this command to work with problems that were detected by the system or logical partition or detected by the user.

*THRESHOLD

Specifies to work with either a system reference code in the Service Agent threshold table, or the entire table.

Category (CATEGORY)

Specifies the category of device for which Service Agent product activity log analysis information is displayed.

Note: This parameter is valid only when TYPE(*EVENT) is specified.

*ALL

Product activity log analysis information is displayed for all devices on the system or logical partition.

*DASD

Product activity log analysis information is displayed for direct access storage devices only.

*TAPE

Product activity log analysis information is displayed for all magnetic, optical, and diskette storage devices.

*PROC

Product activity log analysis information is displayed for all devices except storage devices.

Reporting status (STATUS)

Specifies whether the Service Agent product activity log analysis information to be displayed should be limited to currently active information only.

Note: This parameter is valid only when TYPE(*EVENT) is specified.

*ALL

All applicable Service Agent product activity log analysis information is displayed.
*PENDING
Only Service Agent product activity log analysis groups that could potentially cause Service Agent to notify the users and service provider of a new system or logical partition problem are displayed. Such groups represent product activity log information that Service Agent will use to report a problem if additional product activity log records that belong to the group are encountered.

Output (OUTPUT)
Specifies where the output from the command should be directed.

Note: This parameter is valid only when TYPE(*EVENT) is specified.

* The output is displayed for interactive jobs or printed with the job’s spooled output for non-interactive jobs.

*PRINT
The output is printed with the job’s spooled output.

Collect information (COLSRVINF)
Specifies whether system or logical partition information is to be collected.

Note: This parameter is valid only when TYPE(*SRVINF) is specified.

*YES System or logical partition service information is to be collected.

*NO System or logical partition service information is not to be collected.

Send information (SNDSRVINF)
Specifies whether the available collected service information is to be sent to IBM.

Note: This parameter is valid only when TYPE(*SRVINF) is specified.

*YES The available collected service information is sent to IBM.

*NO The available collected service information is not sent to IBM.

Service information (SRVINF)
Specifies the type of service information to be processed.

Note: This parameter is valid only when TYPE(*SRVINF) is specified.

*ALL All types of service information will be processed.

*PRBID Service information for a problem log identifier.
**Problem identifier (PRBID)**

Specifies the problem identifier of the problem selected. Problems with different system or logical partition origins can have the same identifier. This parameter can be used with the *Originating system* (ORIGIN) parameter to select a single problem from a particular system or logical partition origin.

**Note:** This parameter is valid only when TYPE(*PRBLOGE) is specified.

*ALL  All problem identifiers are selected.

*character-value*

Specify the problem identifier of the problem being selected.

---

**Information for a problem (SRVINFPRB)**

Specifies the type of service information sent for the problem specified in the Problem identifier (PRBID) parameter.

**Note:** This is a required parameter when SRVINF(*PRBID) is specified.

*ALL  All service information for the specified problem is sent.

*PRIMARY  Only the primary service information is sent.

*SECONDARY  Only the secondary service information is sent.

---

**Period (PERIOD)**

Specifies the period of time for which problem log entries are shown. This is the time when the problem log entry was placed in the log.

**Note:** This parameter is valid only when TYPE(*PRBLOGE) is specified.

**Element 1: Start time and date**

**Element 1: Start time**

*AVAIL  The logged data that is available for the specified start date is shown.

*time  Specify the start time for the specified start date indicating the logged data to display, in the job time format.

---

**Element 2: Start date**
**BEGIN**
The logged data from the beginning of the log is shown.

*Note:* If *BEGIN* is specified, any time value other than *AVAIL* for start time is ignored.

**CURRENT**
The logged data for the current day from the specified start time through the end time (if it is specified) is shown.

*date* Specify the start date for which logged data is shown, in the job date format.

---

**Element 2: End time and date**

**Element 1: End time**

**AVAIL**
The logged data that is available for the specified end date is shown.

*time* Specify the end time for the specified end date for which logged data is shown, in the job time format.

---

**Element 2: End date**

**END** The last day on which data was logged is the last day for which logged data is shown.

*Note:* If *END* is specified, any time value other than *AVAIL* for end time is ignored.

**CURRENT**
The logged data for the current day from the specified start time through the end time (if it is specified) is shown.

*date* Specify the end date for which logged data is to be shown, in the job date format.

---

**Originating system (ORIGIN)**

Specifies that only problem log entries that originated at the specified systems or logical partitions are shown.

*Note:* This parameter is valid only when TYPE(*PRBLOGE) is specified.

**Element 1: Network ID**

**ALL** All entries are shown regardless of the network identifier of the origin system or logical partition.

**LOCAL** Only entries that originated on systems or logical partitions with the same local network identifier as the one defined in the network attributes for this system or logical partition are shown.

*communications-name*
Specify a network identifier. Only entries that originated on systems or logical partitions with this local network identifier are shown.
Element 2: Control point name

*ALL  All entries are shown regardless of the control point name of the origin system or logical partition.

*LOCAL  Only entries that originated on systems or logical partitions with the same local control point name as the one defined in the network attributes for this system are shown.

communications-name
Specify a control point name. Only entries that originated on systems or logical partitions with this control point name are shown.

PMR number (SRVID)
Specifies whether only problem log entries that have the specified Problem Management Record (PMR) number are displayed. This number is assigned when the problem is reported to IBM Service.

Note: This parameter is valid only when TYPE(*PRBLOGE) is specified.

*ALL  All entries are shown regardless of the PMR number, if any, assigned.

character-value
Specify a PMR number. Only problem log entries that have the specified PMR number assigned are shown.

Service Agent only (SRVAGTONLY)
Specifies whether all problem log entries are to be considered for display or only those that have been processed by Service Agent.

Note: This parameter is valid only when TYPE(*PRBLOGE) is specified.

*YES  Only problem log entries that have been processed by Service Agent will be displayed.

*NO  All problem log entries will be displayed.

Subtype (SUBTYPE)
Specifies the work with aspect of the threshold table.

Note: This is a required parameter when TYPE(*THRESHOLD) is specified.

*SYSREFCDE  Work with a system reference code entry.

*TABLE  Work with the entire threshold table.
Device (DEVICE)

Specifies the device associated with the system reference code in the threshold table.

**Note:** This is a required parameter when SUBTYPE(*SYSREFCDE) is specified.

*character-value*

Specify the four-character device type associated with the system reference code. For example, DEVICE(2420) might be specified for a 2420 tape device.

**Examples**

WRKSRVAGT TYPE(*SRVINF) COLSRVINF(*YES) SNDSRVINF(*YES)

This command will cause Service Agent service information to be collected and sent immediately.

**Error messages**

*ESCAPE Messages*

CPF9899

Error occurred during processing of command.
Work with Service Program (WRKSRVPGM)

Where allowed to run: Interactive environments (*INTERACT
*IPGM *IREXX *EXEC)
Threadsafe: No

The Work with Service Program (WRKSRVPGM) command allows you to display and work with a list of service programs from one or more libraries.

Restrictions:
- Only the libraries to which you have use (*USE) authority are searched.
- Only the service programs to which you have some authority are shown on the display.
- To perform operations on the service programs, you must have *USE authority to the command used by the operation and the appropriate authority to the service programs on which the operation is to be performed.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
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<th>Notes</th>
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<tr>
<td>SRVPGM</td>
<td>Service program</td>
<td>Qualified object name</td>
<td>Required, Positional 1</td>
</tr>
<tr>
<td></td>
<td>Qualifier 1: Service program</td>
<td>Generic name, name, *ALL</td>
<td></td>
</tr>
</tbody>
</table>

Service program (SRVPGM)

Specifies the search process for service programs to be placed in the list. All service programs with names corresponding to the specified parameter value, and for which the user has authority, are shown.

This is a required parameter.

Qualifier 1: Service program

*ALL    All service programs in the libraries identified in the library qualifier are shown.

generic-name

Specify the generic name of the service programs to work with. A generic name is a character string of one or more characters followed by an asterisk (*); for example, ABC*. If a generic name is specified, then all service programs with names that begin with the generic name, and for which the user has authority, are shown. If an asterisk is not included with the generic (prefix) name, the system assumes it to be the complete service program name.

name    Specify the name of the service program to work with.

Qualifier 2: Library

*LIBL    All libraries in the library list for the current thread are searched. All objects in these libraries with the specified object name are shown.
**CURLIB**

The current library for the job is searched. If no library is specified as the current library for the job, the QGPL library is used.

**USRLIBL**

Only the libraries in the user portion of the job’s library list are searched.

**ALL**

All libraries in the system portion of the job’s library list, including QSYS, are searched.

**ALLUSR**

All user libraries are searched. All libraries with names that do not begin with the letter Q are searched except for the following:

- CGULIB
- DSULIB
- EULIB
- COBLIB
- RPGLIB
- DFULIB
- SDALIB

Although the following Qxxx libraries are provided by IBM, they typically contain user data that changes frequently. Therefore, these libraries are considered user libraries and are also searched:

- QDSNX
- QRCxxxx
- QUSRIJS
- QUSRvXRxMx
- QGPL
- QSRVAGT
- QUSRINFSKR
- QGPL38
- QSYS2
- QUSRNOTES
- QGTL2
- QSYSxxxx
- QUSROND
- QGTC2
- Q36F
- QUSRPOSGS
- QMPGDATA
- QUSER38
- QUSRPOSSA
QMRDATA
- QUSRADSM
- QUSRPMYSVR
- MQMPROC
- QUSRBRM
- QUSRDDARS
- QPFRDATA
- QUSRDIRCL
- QUSRYS
- QRCL
- QUSRDIRDB
- QUSRVI

1. ‘xxxxx’ is the number of a primary auxiliary storage pool (ASP).

2. A different library name, in the format QUSRvXRxMx, can be created by the user for each previous release supported by IBM to contain any user commands to be compiled in a CL program for the previous release. For the QUSRvXRxMx user library, VxRxMx is the version, release, and modification level of a previous release that IBM continues to support.

**name**

Specify the name of the library to be searched.

---

**Examples**

WRKSRVPGM SRVPGM(COMPLETE)

This command displays the Work with Service Programs panel, showing a list of service programs named COMPLETE that are located using the library list.

---

**Error messages**

CPF9809

Library &1 cannot be accessed.

CPF9820

Not authorized to use library &1.
Work with Service Providers (WRKSRVPVD)

Where allowed to run: Interactive environments (*INTERACT
*IPGM *IREXX *EXEC)
Threadsafe: No

The Work with Service Providers (WRKSRVPVD) Command allows you to work with a menu which contains a list of service providers to whom you can report service problems and send PTF orders. From this menu, you can add, change, copy, delete, or display service providers.

Restriction: To use this command, the user must be signed on as QSRV or QSRVBAS, or have *ALLOBJ authority.

There are no parameters for this command.

Parameters

None

Examples

WRKSRVPVD

This command displays the Work with Service Providers panel, showing the current list of service providers.

Error messages

None
Work with Service Table Entry (WRKSRVTBLE)

Where allowed to run: Interactive environments (*INTERACT
*IPGM *IREXX *EXEC)
Threadsafe: No

The Work with Service Table Entry (WRKSRVTBLE) command is used to show a list of service table entries from which you can add, remove, display or print the entries. You can also select to print the list.

The service table is used to manage the mapping of network services to ports, to record the protocols the services use, and to record a maximum of four alias names for each service. The service table is shipped with some standard port assignments. Values for common functions supported by Transmission Control Protocol/Internet Protocol (TCP/IP) are available to the Internet community in the assigned numbers RFC (Request for Comments) document, a formal specification of proposals and standards for a portion of TCP/IP.

Restrictions:
• You must have input/output system configuration (*IOSYSCFG) special authority to add or remove entries using this command.

Parameters

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<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>SERVICE</td>
<td>Service</td>
<td>Character value, *ALL</td>
<td>Optional, Positional 1</td>
</tr>
<tr>
<td>OUTPUT</td>
<td>Output</td>
<td>*, *PRINT</td>
<td>Optional, Positional 2</td>
</tr>
</tbody>
</table>

Service (SERVICE)

Specifies the service name with which you want to work.

*ALL All service table entries are shown or printed.
character-value Specify the name of the service. All entries that match are shown or printed.

Output (OUTPUT)

Specifies whether the output from the command is displayed at the requesting work station or printed with the job’s spooled output.

* The output is displayed for interactive jobs or printed with the job’s spooled output for non-interactive jobs.
*PRINT
   The output is printed with the job's spooled output.

Examples
WRKSRVTBLE
This command displays the Work with Service Table Entries panel, showing a list of all the service table entries. You can select to add, remove, display, or print the service table entries from this list.

Error messages
None
Work with System Status (WRKSYSSTS)

Where allowed to run: All environments (*ALL)

Threadsafe: No

The Work with System Status (WRKSYSSTS) command allows you to work with information about the current status of the system. It displays the number of jobs currently in the system, the total capacity of the system auxiliary storage pool (ASP), the percentage of the system ASP currently in use, the amount of temporary storage currently in use, the percentage of machine addresses used, and statistical information related to each storage pool that currently has main storage allocated to it. The statistical information is gathered during an identified time interval (shown as the elapsed time); the data can either be updated by extending the measurement time interval, or it can be restarted to show statistics for the interval starting with the previous display.

### Parameters

<table>
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<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>OUTPUT</td>
<td>Output</td>
<td>*PRINT</td>
<td>Optional, Positional 1</td>
</tr>
<tr>
<td>RESET</td>
<td>Reset status statistics</td>
<td>*NO, *YES</td>
<td>Optional</td>
</tr>
<tr>
<td>ASTLVL</td>
<td>Assistance level</td>
<td>*PRV, *USRPRF, *BASIC, *INTERMED, *ADVANCED</td>
<td>Optional</td>
</tr>
</tbody>
</table>

### Output (OUTPUT)

Specifies whether the output from the command is displayed at the requesting work station or printed with the job’s spooled output.

* The output is displayed for interactive jobs or printed with the job’s spooled output for non-interactive jobs.

*PRINT

The output is printed with the job’s spooled output.

### Reset status statistics (RESET)

Specifies whether system status statistics fields are reset to zero, as if this is the first occurrence of this command in this job.

*NO The system status statistics are not reset.

*YES The system status statistics are reset. This will also reset the status statistics on the Display System Status (DSPSYSSTS) command and the QWCRSSTS API.
**Assistance level (ASTLVL)**

Specifies which user interface to use.

*PRV  The previously used assistance level is presented.

*USRPRF  The assistance level defined in the user profile is presented.

*BASIC  The Operational Assistant user interface is used.

*INTERMED  The system user interface is presented.

*ADVANCED  The system user interface expert mode is presented.

---

**Examples**

WRKSYSSTS  OUTPUT(*PRINT)

This command prints the system status information. If OUTPUT(*) is specified instead, and the command is entered from an interactive job, the Work with System Status panel is displayed, showing information about the system.

---

**Error messages**

*ESCAPE Messages*

CPF1009  Statistics elapsed time reset.

CPF1882  Value for paging option not valid.

CPF980A  &1 routine in &2 module detected an exception. The exception return code was &3.

CPF9847  Error occurred while closing file &1 in library &2.

CPF9850  Override of printer file &1 not allowed.

CPF9851  Overflow value for file &1 in &2 too small.

CPF9871  Error occurred while processing.
Work with System Value (WRKSYSVAL)

Where allowed to run: All environments (*ALL)
Threadsafe: No

The Work with System Value (WRKSYSVAL) command allows you to work with a specified system value. The system values are provided as part of the system. They are used by the system to control certain operations in the operating system and to communicate the status of certain conditions.

Changes to some system values take effect immediately; however, some do not take effect until new jobs are started, and others do not take effect until the next initial program load (IPL). More information about system values is in the Work Management information in the iSeries Information Center at http://www.ibm.com/eserver/iseries/infocenter.

Note: Refer to the CL variable for returned value (RTNVAR) parameter of the Retrieve System Value (RTVSYSVAL) command for a chart that shows the type and length of each system value.

Restrictions:
1. Refer to the Change System Value (CHGSYSVAL) command for information regarding the authority required to change certain system values.
### System value (SYSVAL)

Specifies the name of the system value with which you wish to work. However, some system values cannot be changed by this command. More information on which values can be specified is in the Work Management information in the iSeries Information Center at http://www.ibm.com/eserver/iseries/infocenter.

**ALL**  
All system values.

**ALC**  
Allocation system values.

**DATTIM**  
Date and time system values.

---

**Parameters**

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
</table>

**OUTPUT**  
Output

The output is either *PRINT or *.*

Optional, Positional 1
*EDT  Editing system values.

*LIBL Library list system values.

*MSG Message and logging system values.

*SEC Security system values.

*STG Storage system values.

*SYSCTL System control system values.

generic-name
Specify the generic name for the system values to work with. A generic name is a character string of one or more characters followed by an asterisk (*); for example, QAU*. If a generic name is specified, then all entries with names that begin with the generic name will be shown on the WRKSYSVAL panel.

name Specify the name of the system value to work with.

Output (OUTPUT)
Specifies whether the output from the command is displayed at the requesting work station or printed with the job’s spooled output.

* The output is displayed for interactive jobs or printed with the job’s spooled output for non-interactive jobs.

*PRINT The output is printed with the job’s spooled output.

Examples

Example 1: Displaying Date and Time System Values
WRKSYSVAL SYSV(*)DATTIM)
This command displays a list of all the date and time system values.

Example 2: Displaying Security System Values
WRKSYSVAL SYSV(*)SEC)
This command displays a list of all the security system values.

Example 3: Working with the Control Subsystem Description System Value
WRKSYSVAL SYSV(QCTLSBSD)
This command allows you to work with the controlling subsystem description system value, QCTLSBSD.

Example 4: Printing System Values
WRKSYSVAL OUTPUT(*PRINT)
This command prints a list of all system values and their current values.
Error messages

*ESCAPE Messages

CPF1001
   Wait time expired for system response.

CPF1030
   System value &1 cannot be changed.

CPF1059
   Length of value not correct for &1.

CPF1076
   Specified value not allowed for system value &1.

CPF1078
   System value &1 not changed.

CPF1079
   Too many or too few values listed for &1.

CPF1203
   Keyboard identifier &1 not correct.

CPF1831
   User not authorized to change system value &1.

CPF1852
   System value &1 not changed.

CPF1856
   Filter type &4 not correct for system value &1.

CPF1857
   Specified value for &1 not a code font.

CPF1864
   User not authorized to change system value &1.
Work with Tape Cartridge (WRKTAPCTG)

Where allowed to run: Interactive environments (*INTERACT
*IPGM *IREXX *EXEC)
Threadsafe: No

The Work with Tape Cartridges (WRKTAPCTG) command allows the user to work with a list of tape cartridges.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEV</td>
<td>Library device</td>
<td>Name</td>
<td>Required, Positional 1</td>
</tr>
<tr>
<td>CTG</td>
<td>Cartridge ID</td>
<td>Single values: *ALL Other values (up to 40 repetitions): Character value</td>
<td>Optional</td>
</tr>
<tr>
<td>CGY</td>
<td>Category</td>
<td>Single values: *SHARE400, *INSERT, *EJECT Other values: Element list</td>
<td>Optional</td>
</tr>
<tr>
<td></td>
<td>Element 2: Category system</td>
<td>Character value, *CURRENT</td>
<td></td>
</tr>
</tbody>
</table>

Library device (DEV)

Specifies the library device to be used. The device name must have been previously created on the system using the Create Device Media Library (CRTDEVMLB) command.

This is a required parameter.

name Specify the name of the library device.

Cartridge ID (CTG)

Specify the cartridge identifiers to work with.

Note: The cartridge identifier should represent the external identifier if the library device has a bar code scanner to read external identifiers.

Single values

*ALL All tape cartridges in the device or in the category specified are shown.

Other values (up to 40 repetitions)

generic-identifier Specify the generic name of the cartridge identifier. A generic name is a character string of one or
more characters followed by an asterisk (*); for example, ABC*. The asterisk substitutes for any valid characters. A generic name specifies all cartridge identifiers with names that begin with the generic prefix. If an asterisk is not included with the generic (prefix) name, the system assumes it to be the complete cartridge identifier.

**identifier**

Specify the cartridge identifier.

---

**Category (CGY)**

Specifies the category of tape cartridges to work with.

**Single values**

*SHARE400*

The cartridge identifiers in the *SHARE400* category are displayed. A cartridge in this category can be shared with other systems attached to the same device.

*INSERT*

The cartridge identifiers in the *INSERT* category are displayed. A cartridge in this category has been placed in the library device, but its identifier has not been added to the system.

*EJECT*

The cartridge identifiers in the *EJECT* category are displayed. A cartridge in this category has had its identifier removed from the system and is no longer usable.

**Element 1: Category name**

*ALL*

All categories are searched for the cartridge identifiers specified on the CTG parameter and all are displayed to work with.

*NOSHARE*

The cartridge identifiers in the *NOSHARE* category are displayed. A cartridge with this identifier cannot be shared with other systems.

*IPL*

The cartridge identifiers in the *IPL* category are displayed. A cartridge with this identifier can be used for an alternate IPL.

*NL*

The cartridge identifiers in the *NL* category are displayed. A cartridge with this identifier is used as a non-labeled tape.

*CNV*

The cartridge identifiers in the *CNV* category are displayed. Cartridges in this category are for use with the convenience station.

*SYSGEN*

The cartridge identifiers in the *SYSGEN* category are displayed. If the library device is in *SYSGEN* mode, cartridges cannot be moved from the *SYSGEN* category.

**category-name**

Specify the name of a user-defined category. This category name must have been created previously with the Create Tape Category (CRTTAPCGY) command.

**Element 2: Category system**

This element identifies the system the category belongs to. The system name is obtained from the pending system name field of a Display Network Attributes (DSPNETA) command. If there is no pending name, the current system attribute is used.
***** Attention **********************************
If the system name is changed, all category information associated with all tape cartridges in library devices are not valid.
***************************************

*CURRENT
The category belongs to the system currently running the command.

*ALL
The systems that own categories available to the system running this command are used.

character-value
Specify the name of the system to which the category belongs.

Examples

Example 1: Working with a Single Cartridge in a Tape Library
WRKTAPCTG  DEV(LIB01)  CTG(VOL4)  CGY(*ALL)

This command displays the Work with Tape Cartridges panel, showing only one entry for VOL4. A number of options for working with the tape cartridge shown are available on the Work with Tape Cartridges panel.

Example 2: Working with All Cartridges in the *INSERT Category
WRKTAPCTG  DEV(LIB01)  CGY(*INSERT)

This command displays the Work with Tape Cartridges panel, showing the list of all cartridges in the *INSERT category.

Error messages

*ESCAPE Messages

CPF6708
Command ended due to error.

CPF6711
Command not allowed

CPF6718
Cannot allocate device &1.

CPF6745
Device &1 not a media library device.

CPF67A6
Category does not exist

CPF67D2
Cartridge command was not successful.

CPF67D4
Category not available

CPF67E4
Library device function not successful
CPF67E6
   Volume &2 is not correct

CPF67EA
   Function not successful

CPF67EC
   Library device description &1 does not exist

CPF67ED
   Library device &1 not available

CPF67F5
   Duplicate cartridge or virtual volume name found

CPF9814
   Device &1 not found.

CPF9825
   Not authorized to device &1.
The Work with Tables (WRKTBL) command allows you to show a list of available tables.

Restrictions:
- Only the libraries to which you have use (*USE) authority will be searched.
- Only the tables to which you have some authority will be shown on the display.
- To perform operations on the tables, you must have *USE authority to the command used by the operation, and the appropriate authority to the tables on which the operation is to be performed.

### Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>TBL</td>
<td>Table</td>
<td>Qualified object name</td>
<td>Required,</td>
</tr>
<tr>
<td></td>
<td>Qualifier 1: Table</td>
<td>Generic name, name, *ALL</td>
<td>Positional 1</td>
</tr>
</tbody>
</table>

### Table (TBL)

Specifies the tables to be shown.

This is a required parameter.

**Qualifier 1: Table**

*ALL  All tables are shown.

**generic-name**

Specify the generic name of the tables to be shown. A generic name is a character string that contains one or more characters followed by an asterisk (*). If a generic name is specified, all tables that have names with the same prefix as the generic name are shown.

**name**

Specify the name of the table to be shown.

**Qualifier 2: Library**

*LIBL  All libraries in the library list for the current thread are searched. All objects in these libraries with the specified object name are shown.

*CURLIB  The current library for the thread is searched. If no library is specified as the current library for the thread, the QGPL library is searched.

*USRLIBL  If a current library entry exists in the library list for the current thread, the current library and the
libraries in the user portion of the library list are searched. If there is no current library entry, only the libraries in the user portion of the library list are searched.

*ALLUSR

All user libraries are searched. All libraries with names that do not begin with the letter Q are searched except for the following:

#CGULIB  #DSULIB  #SEULIB  
#COBLIB  #RPGLIB  
#DFULIB  #SDALIB

Although the following Qxxx libraries are provided by IBM, they typically contain user data that changes frequently. Therefore, these libraries are considered user libraries and are also searched:

QDSNX  QRCLxxxx  QUSRRIJS  QUSRVxRxMx  
QGPL  QSRVAGT  QUSRINFSKR  
QGPL3B  QSYS2  QUSRNOTES  
QMGTC  QSYS2xxxx  QUSROND  
QMGTC2  QS36F  QUSRPOSGS  
QMPGDATA  QUSER3B  QUSRPOSSA  
QMQMDATA  QUSRADSM  QUSRPMYSVR  
QMMPBDC  QUSRBM  QUSRPRDSA  
QPFQDATA  QUSRQ1RC  QUSRQSY  
QRC  QUSRQ2RC  QUSRQVI

1. ‘xxxxx’ is the number of a primary auxiliary storage pool (ASP).
2. A different library name, in the format QUSRVxRxMx, can be created by the user for each previous release supported by IBM to contain any user commands to be compiled in a CL program for the previous release. For the QUSRVxRxMx user library, VxRxMx is the version, release, and modification level of a previous release that IBM continues to support.

*ALL  All libraries in the system, including QSYS, are searched.

name  Specify the name of the library to be searched.

Examples

WRKTBL  TBL(LIB1/ABC*)

This command displays the Work with Tables panel, showing a list of tables whose names begin with the letters ‘ABC’ that exist in library LIB1.

Error messages

*ESCAPE Messages

CPF9809  
Library &1 cannot be accessed.

CPF9820  
Not authorized to use library &1.
Work with Point-to-Point TCPIP (WRKTCPPTP)

Where allowed to run: Interactive environments (*INTERACT *IPGM *IMOD *IREXX *EXEC)
Threatsfeas: No

The Work with Point-to-Point TCP/IP (WRKTCPPTP) command allows you to display and work with the point-to-point TCP/IP configuration profiles defined on this system.

You can work with all the configuration profiles defined, or a subset of the profiles by using the OPRMODE and CFGPRF parameters. The information shown for each profile includes the name, operating mode, data link layer protocol type, and session status.

The list allows you to add, change, copy, display, or remove point-to-point TCP/IP configuration profiles. You can also start and end point-to-point session jobs.

The following options cannot be used with *PPP linetype profiles:
- Change
- Copy
- Remove
- Display details

The following options can be used with *PPP linetype profiles:
- Start
- End
- Work with line status
- Work with session job

Use the iSeries Navigator interface for Configuration of *PPP Slip or Point to Point profiles.

Restrictions:
- To add, change, or remove a point-to-point configuration profile you must have input/output system configuration (*IOSYSCFG) special authority.
- To start or end a point-to-point session job, you must have use (*USE) authority to the STRTCPPTP or ENDTCPPTP command.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CFGPRF</td>
<td>Configuration profile</td>
<td>Character value, *ALL</td>
<td>Optional, Positional 1</td>
</tr>
<tr>
<td>OPRMODE</td>
<td>Operating mode</td>
<td>*ANY, *ANS, *DIAL</td>
<td>Optional, Positional 2</td>
</tr>
</tbody>
</table>
Configuration profile (CFGPRF)

Specifies which configuration profiles to show in the list.

*ALL  Show all point-to-point TCP/IP configuration profiles.

generic-name

Specify the generic name of the point-to-point TCP/IP configuration profile. A generic name is a character string of one or more characters followed by an asterisk (*); for example, ABC*. If a generic name is specified, then all profiles with names that begin with the generic name are displayed. If an asterisk is not included, the name is assumed to be a complete point-to-point TCP/IP configuration profile name.

name

Specify the name of a specific configuration profile. Only this profile will appear in the list.

Operating mode (OPRMODE)

Specifies the operating mode of the point-to-point TCP/IP configuration profiles to be shown in the list.

*ANY  Any point-to-point TCP/IP configuration profile that matches the configuration profile name specified on the CFGPRF parameter will appear in the list, regardless of operating mode.

*ANS  Only point-to-point TCP/IP configuration profiles with an operating mode of *ANS will appear in the list.

*DIAL  Only point-to-point TCP/IP configuration profiles with an operating mode of *DIAL will appear in the list.

Examples

Example 1: Displaying all profiles

WRKTCPPTP

This command displays the Work with Point-to-Point TCP/IP panel, showing a list containing all the point-to-point TCP/IP configuration profiles defined on this system.

Example 2: Displaying only *DIAL profiles

WRKTCPPTP  OPRMODE(*DIAL)

This command displays the Work with Point-to-Point TCP/IP panel, showing a list containing all the point-to-point TCP/IP configuration profiles defined on this system with an operating mode of *DIAL.

Example 3: Displaying only *ANS profiles for a generic name

WRKTCPPTP  CFGPRF(ANSPRF*)  OPRMODE(*ANS)

This command displays the Work with Point-to-Point TCP/IP panel, showing a list containing all the point-to-point TCP/IP configuration profiles defined on this system with an operating mode of *ANS that begin with the six characters 'ANSPRF'.
Error messages

*ESCAPE Messages

TCP1A1F
Cannot process request while &3/&2/&1 using &6.

TCP8205
Required object &2/&1 type *&3 not found.

TCP8206
Option &8 not performed. Thread &10 in job &6/&5/&4 is using &1.

TCP8211
Point-to-point profile &1 not found.

TCP8212
Point-to-point profile &1 already exists.

TCP8219
*AUTL &3 conflicts with Use connection dialog script N.
IBM Systems - iSeries: i5/OS Commands Starting with WRKNTWAUTE (Work with NetWare Authentication Entries)
Work with TCP/IP Network Sts (WRKTCPSTS)

Where allowed to run: Interactive environments (*INTERACT
*IPGM *IREXX *EXEC)
Threading: No

Use the Work with TCP/IP Network Status (WRKTCPSTS) command, also known as NETSTAT, to get information about the status of TCP/IP network routes, interfaces, TCP connections and UDP ports on your local system. You can also use NETSTAT to end TCP/IP connections and to start or end TCP/IP interfaces.

If IP over SNA (IPS) is enabled, NETSTAT displays information about the IP over SNA interfaces, routes, and connections. You can also use NETSTAT to end IP over SNA connections and to start or end IP over SNA interfaces.

To use this command, either the TCP/IP protocol stack or IP over SNA must be active. If neither is active, Netstat issues an escape message.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>OPTION</td>
<td>Option</td>
<td>*SELECT, *IFC, *RTE, *CNN</td>
<td>Optional, Positional 1</td>
</tr>
</tbody>
</table>

Option (OPTION)

Specifies which TCP/IP status information you want to work with.

*SELECT
Display the Work with TCP/IP Network Status menu.

*IFC
Display the Work with TCP/IP Interface Status list.

*RTE
Display the Display TCP/IP Route Information list.

*CNN
Display the Work with TCP/IP Connection Status list.

Examples

Example 1: Displaying the Work with TCP/IP Network Status Menu

WRKTCPSTS
-OR-
WRKTCPSTS OPTION(*SELECT)

Either of these commands will display the Work with TCP/IP Network Status menu.

Example 2: Using the OPTION Parameter
WRKTCPSTS   OPTION(*CNN)

This command displays the Work with TCP/IP Connection Status panel.

Example 3: Using a Positional Parameter
WRKTCPSTS   *RTE

The OPTION parameter is a positional parameter. The OPTION keyword is not required. This command starts NETSTAT, and the Display TCP/IP Route Information panel is shown.

---

**Error messages**

*ESCAPE Messages*

**TCP2670**
Not able to complete request. TCP/IP services are not available.

**TCP3844**
Data for interface &3 not available.

**TCP3881**
Data for list not available.

**TCP3882**
Data not available.

**TCP9999**
Internal system error in program &1.
Work with TIE (WRKTIE)

Where allowed to run: Interactive environments (*INTERACT
*IPGM *IREXX *EXEC)
Threadsafe: No

The Work with Technical Information Exchange (WRKTIE) command shows a menu where you can choose one of the following TIE tasks:
- Send TIE files
- Receive TIE files
- Query TIE files

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPTUSRID</td>
<td>User ID</td>
<td>Name</td>
<td>Required, Positional 1</td>
</tr>
<tr>
<td>SPTPWD</td>
<td>Password</td>
<td>Character value</td>
<td>Required, Positional 2</td>
</tr>
<tr>
<td>ACCOUNT</td>
<td>Account</td>
<td>Character value, *RTV</td>
<td>Optional</td>
</tr>
</tbody>
</table>

User ID (SPTUSRID)

Specifies the user identifier needed to sign on to the remote support network.

This is a required parameter.

Password (SPTPWD)

Specifies the password needed to sign on to the remote support network.

This is a required parameter.

Account (ACCOUNT)

Specifies the network account number needed to sign on the remote support network. If the account number is not specified, the account number from the contact database is used.

*RTV The account number from the contact database is used.

account-number
    Specify the account number being used.
Examples

WRKTIE SPTUSRID(ACME) SPTPWD(11111) ACCOUNT(11420880)

This command allows a user whose ID is ACME, whose password is 11111, and whose account number is 11420880 to work with the TIE main menu.

Error messages

None
Work with Time Zone Desc (WRKTIMZON)

Where allowed to run: Interactive environments (*INTERACT
*IPGM *IREXX *EXEC)
Threadsafe: No

The Work with Time Zone Desc (WRKTIMZON) command displays a list of time zone description objects.

Restrictions:
- You must have use (*USE) authority to the time zone description in order for it to be displayed in the list.
- You must have *USE authority to the QSYS library.
- If a message is used to specify the abbreviated and full names of the time zone description, you must have *USE authority to the message file and execute (*EXECUTE) authority to the library in order to see the abbreviated and full names.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>TIMZON</td>
<td>Time zone</td>
<td>Generic name, name, *ALL</td>
<td>Optional, Positional 1</td>
</tr>
</tbody>
</table>

Time zone description (TIMZON)

Specifies the time zone descriptions to be included in the list.

*ALL All time zone descriptions are included.

generic-name

Specify the generic name of the time zone descriptions to be included in the list. A generic name is specified as a character string that contains one or more characters followed by an asterisk (*). If a generic name is specified, then all objects that have names with the same prefix as the generic object name are selected.

name Specify the name of the time zone description.

Examples

WRKTIMZON TIMZON(Q*)

This command displays the Work with Time Zone Descriptions panel with a list of all time zone descriptions whose name starts with the letter Q.
Error messages

*ESCAPE Messages

CPF9871
   Error occurred while processing.
Work with Traces (WRKTRC)

Where allowed to run: All environments (*ALL)

Threadsafe: No

The Work with Traces (WRKTRC) command can be used to show a panel with the list of existing communications traces, job traces, licensed internal code (LIC) traces and performance explorer (PEX) traces around the system. You can work with the existing traces or start a new trace. When you run this command, the Work with Traces panel is shown.

Restrictions:
- To use this command, you must have service (*SERVICE) special authority, or be authorized to the Service Trace function of the operating system through iSeries Navigator’s Application Administration support. The Change Function Usage (CHGFCNUSG) command, with a function ID of QIBM_SERVICE_TRACE, can also be used to change the list of users that are allowed to perform trace operations.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
</tr>
</thead>
</table>
| TRC     | Trace       | Single values: *ALL  
|         |             | Other values (up to 4 repetitions): *CMN, *JOB, *LIC,  
|         |             | *PEX     |

Required, Positional 1

Trace (TRC)

Specifies the type of traces to be shown on the Work with Traces panel.

This is a required parameter.

Single values

*ALL   All communications traces, job traces, licensed internal code (LIC) traces and performance explorer (PEX) traces are listed in the Work with Traces panel.

Other values

*CMN   All communications traces are shown in the Work with Traces panel.

*JOB   All job trace session identifiers are shown in the Work with Traces panel. This includes trace sessions started by the Start Trace (STRTRC) command and the Trace TCP/IP Application (TRCTCPAPP) command specifying the Additional traces (ADLTRC) parameter.

*LIC   All LIC traces are shown in the Work with Traces panel. This includes traces started by the Trace Internal (TRCINT) command, the Trace Connection (TRCCNN) command, the Trace TCP/IP Application (TRCTCPAPP) command specifying the Additional traces (ADLTRC) parameter, the Start System Service Tools (STRSST) command, or the Start DST (STRDST) command.
*PEX   All PEX traces are shown in the Work with Traces panel.

Examples
WRKTRC  TRC(*LIC)

This command displays the Work with Traces panel, showing all traces started issuing the Trace Internal (TRCINT) command, the Trace Connection (TRCCNN) command, the Trace TCP/IP Application (TRCTCPAPP) command specifying the **Additional traces (ADLTRC)** parameter, the Start System Service Tools (STRSST) command, and Start DST (STRDST) command.

Error messages

*ESCAPE Messages
CPF98A2
    Not authorized to &l command.
The Work with User Jobs (WRKUSRJOB) command allows you to work with a list of selected user jobs. Depending on the values you specify on the STATUS, ASTLVL, and JOBTYPY parameters, you can use this command to perform the following tasks:

- From the Work with Signed-On Users display, you can select options to send messages to or sign off users who are signed on the system. You can also select options to display messages or display details about signed-on users. To show the Work with Signed-On Users display, specify STATUS(*ACTIVE), ASTLVL(*BASIC), and JOBTYPY(*INTERACT).
- From the Work with Jobs display, you can show the status of all batch jobs on the system. You can select options to hold, end, or release the jobs shown. You can also select options to work with printer output or display messages. To show the Work with Jobs display, specify any value for the STATUS parameter, ASTLVL(*BASIC), and JOBTYPY(*BATCH).
- From the Work with User Jobs display, you can show the status of user jobs running on the system and of user jobs that are on job queues or output queues. You can select options to change, hold, end, work with, release, or disconnect the jobs shown. You can also select options to work with spooled files and display messages. To show the Work with User Jobs display, specify one of the following:
  - ASTLVL(*INTERMED) and any value for the STATUS and JOBTYPY parameters
  - ASTLVL(*BASIC), JOBTYPY(*INTERACT), and either STATUS(*ALL), STATUS(*JOBQ), or STATUS(*OUTQ)
  - ASTLVL(*BASIC), JOBTYPY(*ALL), and any value for the STATUS parameter

### Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>USER</td>
<td>User whose jobs to display</td>
<td>Name, *, *ALL</td>
<td>Optional, Positional 1</td>
</tr>
<tr>
<td>STATUS</td>
<td>Status of user jobs</td>
<td>*ALL, *ACTIVE, *JOBQ, *OUTQ</td>
<td>Optional, Positional 2</td>
</tr>
<tr>
<td>OUTPUT</td>
<td>Output</td>
<td>*, *PRINT</td>
<td>Optional, Positional 3</td>
</tr>
<tr>
<td>JOBTYPY</td>
<td>Job type</td>
<td>*ALL, *INTERACT, *BATCH</td>
<td>Optional</td>
</tr>
<tr>
<td>ASTLVL</td>
<td>Assistance level</td>
<td>*PRV, *USRPRF, *BASIC, *INTERMED</td>
<td>Optional</td>
</tr>
</tbody>
</table>

### User whose jobs to display (USER)

This parameter allows you to work with user jobs defined by the user profile which initiated the job. User jobs include interactive jobs, submitted batch jobs, communications-evoked batch jobs, MRT batch jobs, and autostart jobs. User jobs do not include system jobs, subsystem monitor jobs, spooling readers, or spooling writers.
* User jobs with the current user profile are displayed.
*ALL User jobs with all user profiles are displayed.

user-profile name
Specify the name of a user profile. User jobs with the specified user profile are shown.

---

**Status of user jobs (STATUS)**

Specifies the status of the user jobs being worked with.

*ALL User jobs of any status are displayed, including jobs on job queues, active jobs, and jobs on output queues.

*JOBQ Only user jobs that are on job queues are displayed.

*ACTIVE Only user jobs that are active are displayed, including all group jobs and system request jobs. You must specify STATUS(*ACTIVE) to show the Work with Signed-On Users display.

*OUTQ Only user jobs that have completed running but still have output on an output queue, are displayed.

---

**Output (OUTPUT)**

Specifies whether the output from the command is displayed at the requesting work station or printed with the job’s spooled output.

* The output is displayed for interactive jobs or printed with the job’s spooled output for non-interactive jobs.

*PRINT The output is printed with the job’s spooled output.

---

**Job type (JOBTYPE)**

Specifies the type of the user jobs shown.

*ALL All types of user jobs are shown, including interactive jobs and batch jobs. If JOBTYPE(*ALL) is specified, the ASTLVL parameter is ignored.

*INTERACT Only interactive user jobs are shown. You must specify JOBTYPE(*INTERACT) to show the Work with Signed-On Users display. If you also specify ASTLVL(*BASIC), interactive jobs shown include suspended group jobs and signed-off users with printer output waiting to print.

*BATCH Only batch user jobs are shown, including prestart jobs, batch immediate jobs, and 36EE MRT jobs. You must specify JOBTYPE(*BATCH) to show the Work with Jobs display.
Assistance level (ASTLVL)

Specifies which user interface to use.

*PRV  The previous user interface is used.

*USRPRF  The user interface specified for the Assistance level (ASTLVL) parameter of your user profile is used. If *ADVANCED is specified in the user profile, *INTERMED is used.

*BASIC  The Operational Assistant user interface is used.

*INTERMED  The system user interface is used.

Examples

Example 1: Working with a List of Selected Jobs

WRKUSRJOB USER(PGMR12)

This command allows you to work with a list of jobs that are running with the user profile name PGMR12.

Example 2: Working with a List of All Jobs

WRKUSRJOB USER(*ALL) STATUS(*JOBQ)

This command allows you to work with a list of all the jobs on job queues.

Example 3: Working with a List of Interactive Jobs

WRKUSRJOB USER(*ALL) STATUS(*ACTIVE) JOBTYPE(*INTERACT) ASTLVL(*BASIC)

This command allows you to work with a list of signed-on users that includes signed-off users with printer output and suspended interactive group jobs.

Error messages

*ESCAPE Messages

CPF1E50  Not all jobs displayed.

CPF1E51  Job queue &1 in library &2 not found.

CPF1E99  Unexpected error occurred.

CPF1003  Subsystem &1 not active.

CPF9845  Error occurred while opening file &1.
CPF9846
   Error while processing file &1 in library &2.

CPF9847
   Error occurred while closing file &1 in library &2.

CPF9850
   Override of printer file &1 not allowed.

CPF9851
   Overflow value for file &1 in &2 too small.

CPF9871
   Error occurred while processing.
Work with User Profiles (WRKUSRPRF)

Where allowed to run: Interactive environments (*INTERACT *IPGM *IREXX *EXEC)
Threadsafe: No

The Work with User Profiles (WRKUSRPRF) command allows you to specify the name of one or more user profiles you want shown.

Restrictions:
• Only the user profiles to which you have some authority will be shown.
• To perform operations on the user profiles, you must have *USE authority to the command used by the operation, and the appropriate authority to the user profile on which the operation is to be performed.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>USRPRF</td>
<td>User profile</td>
<td>Qualifier list</td>
<td>Required,</td>
</tr>
<tr>
<td></td>
<td>Qualifier 1: User</td>
<td>Generic name, name, *ALL</td>
<td>Positional 1</td>
</tr>
<tr>
<td></td>
<td>profile</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ASTLVL</td>
<td>Assistance level</td>
<td>*PRV, *BASIC, *INTERMED, *USRPRF</td>
<td>Optional</td>
</tr>
</tbody>
</table>

User profile (USRPRF)

Specifies the user profiles to be shown.

This is a required parameter.

*ALL    All user profiles that you own or have authority to view are shown.

generic-name

Specify the generic name of the user profiles to be shown. A generic name is a character string that contains one or more characters followed by an asterisk (*). If a generic name is specified, all user profiles that have names with the same prefix as the generic name are shown.

name

Specify the name of the user profile to be shown.

Assistance level (ASTLVL)

Specifies which user interface to use.

*PRV    The previous user interface used is shown.

*BASIC

The Operational Assistant user interface is used.
**INTERMED**

The system user interface is used.

**USRPRF**

The user interface specified for the Assistance level (ASTLVL) parameter when your user profile was created is used.

---

**Examples**

**WRKUSRPRF**  **USRPRF(RS*)**

This command displays the Work with User Profiles panel, showing a list of user profiles whose names begin with the letters 'RS'.

---

**Error messages**

***ESCAPE Messages**

**CPF1E60**

Not authorized to do request.

**CPF1E91**

Option 50 cannot contain information if N specified.
Work with User Tables (WRKUSRTBL)

Where allowed to run: Interactive environments (*INTERACT
*IPGM *IREXX *EXEC)
Threadsafe: No

The Work with User Tables (WRKUSRTBL) command allows you to work with finance user tables. Once they are created, you can add or delete user IDs in the tables. Several finance user tables can be defined. Each table must have a unique name.

Finance user table updates can be accessed by any finance job that is submitted after all changes are completed.

Restriction: This command is shipped with public *EXCLUDE authority.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>USRTBL</td>
<td>User table</td>
<td>Name, *SELECT, *ALL</td>
<td>Optional, Positional 1</td>
</tr>
<tr>
<td>TEXT</td>
<td>Text ‘description’</td>
<td>Character value, *BLANK</td>
<td>Optional</td>
</tr>
</tbody>
</table>

User table (USRTBL)

Specifies the name of a table that contains finance user IDs.

The possible values are:

*ALL Displays all of the user tables currently defined.

*SELECT The list of existing user table entries is shown. Through this display you can create, change, delete or display existing user tables.

user-table-name Specify the name of the user table that you want to work with.

Text ‘description’ (TEXT)

Specifies the text that briefly describes the object.

The possible values are:

*BLANK No text is specified.

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‘description’
    Specify no more than 50 characters of text, enclosed in apostrophes.

Examples

Example 1: Working With All Finance User Tables
WRKUSRTBL USRTBL(*SELECT)

This command allows you to work with the names of all finance user tables. You can create a new table, select an existing table for update, or delete or display tables on the Work with User Table panel.

Example 2: Working With One User Table
WRKUSRTBL USRTBL(USRTBL1)

This command allows you to work with the finance user table USRTBL1. From the Work with User Table panel, you can create, change, delete, or display a finance user table.

Error messages

*ESCAPE Messages

CPF8379
    Error while processing file &1 in &2.

CPF8380
    Error while opening file &1 in &2.

CPF8381
    Error while closing file &1 in &2.
Work with Watches (WRKWCH)

Where allowed to run: All environments (*ALL)
Threads safe: No

The Work with Watches (WRKWCH) command can be used to show a panel with the list of active watches around the system. An active watch can be a watch started issuing Trace Internal (TRCINT), Start Trace (STRTRC), Trace Connection (TRCCNN), Trace TCP/IP Application (TRCTCPAPP), and Start Communications Trace (STRCMNTRC) commands specifying watches parameters, or a session started using Start Watch (STRWCH) command, or using Start Watch (QCSWCH) API.

When you run this command, the Work with Watches panel is shown. From this display you can end an active watch or start a new one. Also the watches being ended are shown.

Restrictions:
- To use this command, you must have service (*SERVICE) special authority, or be authorized to the Service Trace function and Service Watch function of the operating system through iSeries Navigator’s Application Administration support. The Change Function Usage (CHGFCNUSG) command, with a function ID of QIBM_SERVICE_TRACE and QIBM_SERVICE_WATCH, can also be used to change the list of users that are allowed to perform trace operations.

Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>WCH</td>
<td>Watch</td>
<td>Single values: *ALL</td>
<td>Required, Positional 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Other values (up to 3 repetitions): *SRVMON, *STRWCH, *TRCCMD</td>
<td></td>
</tr>
</tbody>
</table>

Watch (WCH)

Specifies the watches to be shown on the Work with Watches panel.

This is a required parameter.

Single values
- *ALL  All active watches are shown in the Work with Watches panel.

Other values
- *SRVMON  Active watches started using the Service Monitor function of the operating system are shown.
- *STRWCH  Active watches started using the Start Watch (STRWCH) command or the Start Watch (QCSWCH) API are shown.
**TRCCMD**

Active watches started using Start Communications Trace (STRCMNTRC), Start Trace (STRTRC), Trace Internal (TRCINT), Trace Connection (TRCCNN) and Trace TCP/IP Application (TRTCPAPP) commands are shown.

---

**Examples**

WRKCH WCH(*TRCCMD)

This command displays the Work with Watches panel, showing all watch sessions started via watches parameters specified in Trace Internal (TRCINT), Trace Connection (TRCCNN), Start Communications Trace (STRCMNTRC), Trace TCP/IP Application (TRTCPAPP) and Start Trace (STRTRC) commands.

---

**Error messages**

**ESCAPE Messages**

CPF39E6

The user does not have the required authority.

CPF98A2

Not authorized to &1 command.
The Work with Writers (WRKWTR) command gives the status of printers and writers. This can be the overall status of all writers, the overall status of all printers (along with writer information for these printers), or the detailed status of a specific writer. The status of the writers may change while the command is running.

### Parameters

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Description</th>
<th>Choices</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>WTR</td>
<td>Writer</td>
<td>Generic name, name, *PRT, *ALL</td>
<td>Optional, Positional 1</td>
</tr>
<tr>
<td>OUTQ</td>
<td>Output queue</td>
<td>Single values: *ALL, Other values: Qualified object name</td>
<td>Optional, Positional 2</td>
</tr>
<tr>
<td>OUTPUT</td>
<td>Output</td>
<td>*, *PRINT</td>
<td>Optional</td>
</tr>
<tr>
<td>DSPFMT</td>
<td>Display format</td>
<td>*INLENV, *S36FMT, *NORMAL</td>
<td>Optional</td>
</tr>
<tr>
<td>ASTLVL</td>
<td>Assistance level</td>
<td>*PRV, *USRPRF, *BASIC, *INTERMED</td>
<td>Optional</td>
</tr>
</tbody>
</table>

### Writer (WTR)

Specifies the spooling writer for which detailed information is displayed, or specifies that the main attributes and status of all spooling writers or all printers are to be displayed.

- **PRT** A list of all printers is displayed along with information about the writers started to the printers.
- **ALL** The attributes and the current status of all spooling writers are displayed.
- **name** Specify the name of the spooled writer for which the detailed information is shown.

### Output queue (OUTQ)

Specifies the output queue from which writers have been started. Writers that are started from this output queue are shown.

This parameter is valid only if WTR(*ALL) is specified.

**Single values**

- **ALL** Work with writers started to all output queues.
Qualifier 1: Output queue

*name Specify the name of the output queue from which writers have been started. Writers that are started from this output queue are shown.

Qualifier 2: Library

*LIBL All libraries in the library list for the current thread are searched until the first match is found.

*CURLIB The current library for the thread is searched. If no library is specified as the current library for the thread, the QGPL library is searched.

*name Specify the name of the library to be searched.

Output (OUTPUT)

Specifies whether the output from the command is displayed at the requesting work station or printed with the job’s spooled output on a printer. If the System/36 display format is selected through the Display format (DSPFMT) parameter, this parameter is ignored. The data is presented at your terminal.

* The output is displayed (if requested by an interactive job) or printed with the job’s spooled output (if requested by a batch job).

*PRINT The output is printed with the job’s spooled output.

Note: *PRINT cannot be specified if you are using an S/36 environment. If the command is run interactively, the output will be displayed but not printed. If the command is run in batch, an error message will be sent and no output will be produced.

Display format (DSPFMT)

Specifies the format and terminology to be used on the displays that result from entering this command. This parameter is valid only if *PRT was specified on the Writer prompt (WTR parameter).

*INLENV The format and terminology to be used is determined by the SPCENV (special environment) value specified in your user profile. If the SPCENV value is *S36, the System/36 terminology is used. All other values will result in this system’s terminology being used.

*S36FMT System/36 terminology is used to present the information.

*NORMAL This system’s terminology is used to present the information.

Assistance level (ASTLVL)

Specifies which user interface to use.

*PRV The previous user interface used is shown.
*USRPRF
The user interface specified on the Assistance level (ASTLVL) parameter of your user profile is used.

*BASIC
The Operational Assistant user interface is used.

*INTERMED
The system user interface is used.

---

**Examples**

**Example 1: Working With the Status of All Printers and Writers**

WRKWTR  WTR(*ALL)

This command displays the Work with All Printers panel. From this panel, you can work with the status of all printers and writers.

**Example 2: Working With the Status of One Writer**

WRKWTR  WTR(*DISKWRITE)

This command allows you to work with detailed information about writer DISKWRITE.

---

**Error messages**

***ESCAPE Messages**

CPF0941
Job &3/&2/&1 no longer in system.

CPF1E99
Unexpected error occurred.

CPF1070
Job &3/&2/&1 not found.

CPF1071
No authority to job &3/&2/&1.

CPF3302
Override of print file &1 to file &2 not valid.

CPF3313
Writer &1 not active nor on job queue.

CPF3330
Necessary resource not available.

CPF3336
Job &5/&4/&3 no longer in the system.

CPF3388
System/36 display format not allowed in batch.

CPF3357
Output queue &1 in library &2 not found.
CPF34B6
More than one printer was selected

CPF34B7
Printer must be selected from list of printers.

CPF9845
Error occurred while opening file &1.

CPF9846
Error while processing file &1 in library &2.

CPF9871
Error occurred while processing.
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