



IBM Systems - iSeries  
Connecting to iSeries  
Navigator tasks on the Web

*Version 5 Release 4*







IBM Systems - iSeries

# Connecting to iSeries Navigator tasks on the Web

*Version 5 Release 4*

**Note**

Before using this information and the product it supports, read the information in "Notices," on page 19 and the manual *IBM eServer Safety Information*, G229-9054.

**Third Edition (February 2006)**

This edition applies to version 5, release 4, modification 0 of IBM i5/OS licensed program (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 CISC models.

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## iSeries Navigator tasks on the Web

Perform a subset of iSeries™ Navigator tasks through an Internet Web browser. The interface may look slightly different, but the tasks you can perform are the same.

The following iSeries Navigator functions are available to work with on the Web: >>

- **Basic Operations** (Messages, User Jobs, Printers, Printer Output\*, and more.)
- **Work Management** (Active Jobs, Server Jobs, Output Queues, Subsystems, and more.)
- **Network** (TCP/IP Servers)
- **Configuration and Service** (System Values, Time Management, Disk Status, History Log, and Change Password)
- **Database** (Database objects)

\* **Note:** To view printer output contents on the web, you will need to download the IBM® AFP™ Viewer browser plug-in to your PC. The AFP Viewer plug-in lets you view AFP and SCS output from your web browser. You can download this plug-in by going to the following web site: <http://www-1.ibm.com/support/docview.wss?rs=203&q=afp+plugin&uid=psd1P4000233> <<

See the following topic, [iSeries Navigator Tasks Available on the Web](#), to jump to a list of tasks you can perform on the Web.

After you start the HTTP server Administration instance on your system, all you need is a Web browser that can connect to your iSeries, and you can begin working with iSeries Navigator tasks on the Web. You can gain access to iSeries Navigator tasks on the Web from the iSeries Tasks page by visiting the following URL from a Web browser where **hostA** is your iSeries system:

**<http://hostA:2001>**

After you connect to iSeries Navigator tasks on the Web, you can add the Web address of any available iSeries Navigator function you want to regularly view and work with to your Web browser's list of favorite Web pages. Then, you can access these iSeries Navigator tasks like you access any of your favorite or bookmarked Web pages.

This information is intended to help you start using iSeries Navigator tasks on the Web by providing tips on how to set up and configure your server to run securely, and by giving you an overview of the functions available.

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## What's new for V5R4

iSeries Navigator tasks on the Web is a new way to work with iSeries Navigator functions from an Internet Web browser.

iSeries Navigator tasks on the Web is even easier to work with in V5R4:

- Click **View All Tasks** from the home page to display a list of all available tasks
- Click **Create Favorites** from the home page, to save all iSeries Navigator task URLs to an HTML file that can be easily imported into your browser
- Configure your preferences and security by selecting the **iSeries Navigator Tasks configuration page** link.

The list below displays iSeries Navigator tasks on the Web that are new in V5R4. For more information about these and other tasks, see: [iSeries Navigator Tasks Available on the Web](#)

- **Basic Operations:**

- qsysmsg
- dspprtout
- rpyprtout
- hldprtout
- rlsprtout
- movprtout
- dltprtout
- cnvprtout
- prtoutprop
- prt
- rpyprt
- hldprt
- rlsprt
- startprt
- stopprt
- restartprt
- prtprop
- availprt
- unavailprt
- runcmd

- **Work Management:**

- clROUTQ
- hldoutq
- rlsoutq
- alljobq
- actjobq
- hldjobq
- rlsjobq
- clrjobq
- actpool
- shrpool
- syssts

- **Configuration and Service**

- dsksts
- dsplog
- chgpwd

- **Database**



- db.tblpart
- db.schema
- db.database
- db.tblidx
- db.perfmon
- db.crtmon
- db.import



- db.export
- db.idxadv

## How to see what's new or changed

To help you see where technical changes have been made, this information uses:

- The  image to mark where new or changed information begins.
- The  image to mark where new or changed information ends.

To find other information about what's new or changed this release, see the Memo to Users.

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## Printable PDF

Use this to view and print a PDF of this information.


To view or download the PDF version of this document, select iSeries Navigator tasks on the Web (about 151 KB).

## Saving PDF files

To save a PDF on your workstation for viewing or printing:

1. Right-click the PDF in your browser (right-click the link above).
2. Click **Save Target As** if you are using Internet Explorer. Click **Save Link As** if you are using Netscape Communicator.
3. Navigate to the directory in which you would like to save the PDF.
4. Click **Save**.

## Downloading Adobe Acrobat Reader

You need Adobe Acrobat Reader to view or print these PDFs. You can download a copy from the Adobe Web site ([www.adobe.com/products/acrobat/readstep.html](http://www.adobe.com/products/acrobat/readstep.html)) .

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## Set up iSeries Navigator tasks on the Web

Working with iSeries Navigator tasks on the Web is easy, but first make sure your HTTP Server Administration instance is running and that you have properly configured security to meet your needs. Also, learn how to grant and limit access to iSeries Navigator with Application Administration.

Before you begin working with iSeries Navigator function from an Internet Web browser, you need to make sure that the iSeries Tasks page on the 2001 port is active, and that you have set up security to meet your needs.

### Related concepts

“Work with iSeries Navigator tasks on the Web” on page 8

Find out how to work with iSeries Navigator tasks from a Web browser, and find out more about the subset of iSeries Navigator functions that are available on the Web.

## Set up iSeries Navigator tasks on the Web: Prerequisites

View this topic for more details on starting the Administration instance. The Administration instance of the HTTP Server must be running on your system in order to connect to the iSeries Navigator tasks on the Web interface.

Before you begin working with iSeries Navigator functions from an Internet Web browser, the Administration instance of the HTTP Server must be running on your system. Check to see if you can connect to the 2001 port by visiting the following URL from a Web browser, where **hostA** is the system name:

**http://hostA:2001**

If you can connect to the 2001 port on your system and view the iSeries Tasks page, then the Administration instance is already running and you can begin configuring security.

If you cannot connect to the 2001 port, start the HTTP Server Administration instance on your system by performing the following steps:

#### **Start the HTTP Server Administration instance**

1. Verify that you have an active connection from the computer with the browser to the iSeries server.
2. In iSeries Navigator, expand **My Connections** and expand your system.
3. Expand **Network** → **Servers** → **TCP/IP** and right-click **HTTP Administration**.
4. Click **Start Instance** → **APACHEDFT**.
5. Open a Web browser, and confirm that the Administration instance is running by visiting **http://hostA:2001**, where **hostA** is the name of your system.

#### **Set the WebSphere® system instance to start when the ADMIN HTTP Server starts**

After you start the HTTP Server Administration instance, you need to configure the WebSphere system instance to start with it. See the following topic for more details: [Manage WebSphere Application Servers](#).

**Note:** After you complete the above task, you will need to stop and restart the HTTP Server Administration instance.

#### **Related concepts**

[Manage WebSphere Application Servers](#)

#### **Related tasks**

[“Configure security for iSeries Navigator tasks on the Web”](#)

If you are accessing the iSeries Navigator tasks on the Web interface over an external network, such as the Internet, it is recommended that you connect using a secure HTTP connection. Additionally, if the server hosting the iSeries Navigator Tasks on the Web interface resides outside of a firewall, or if you are managing a secondary system outside of a firewall, it is recommended that you also configure the IBM Toolbox for Java™ to establish secure socket connections for data access.

## **Configure security for iSeries Navigator tasks on the Web**

If you are accessing the iSeries Navigator tasks on the Web interface over an external network, such as the Internet, it is recommended that you connect using a secure HTTP connection. Additionally, if the server hosting the iSeries Navigator Tasks on the Web interface resides outside of a firewall, or if you are managing a secondary system outside of a firewall, it is recommended that you also configure the IBM Toolbox for Java to establish secure socket connections for data access.

It is important to consider the security configuration needed to adequately ensure protection of sensitive data such as userIDs and passwords. The iSeries Navigator tasks on the Web interface can be configured to require secure connections, not use secure connections, or somewhere in between. As shipped, the iSeries Navigator tasks on the Web interface is configured to send warning messages to the user if secure connections are not used. You should evaluate the security needs for your environment and either change the security configuration for the iSeries Navigator tasks on the Web interface, or configure secure connections.

There are two kinds of Secure Socket Layer (SSL) connections that you need to consider configuring in order to run iSeries Navigator tasks on the Web securely:

1. The first type of SSL connection is used in a connection between a Web browser and the iSeries system that is hosting iSeries Navigator tasks on the Web.
2. The second type of SSL connection is used by the iSeries Navigator tasks on the Web interface to retrieve data from the local iSeries and any managed secondary systems.

By default, iSeries Navigator tasks on the Web is configured to warn users if SSL is not used for all connections. You should evaluate your security requirements, and do one or both of the following:

- Configure and use one or both kinds of SSL connections.
- Change the iSeries Navigator tasks on the Web configuration parameters to treat non-secure connections differently. Options include making SSL connections required, not required, not used, or give a warning.

See the following topics for more information about each type of connection and options for using them:

#### **Related tasks**

“Set up iSeries Navigator tasks on the Web: Prerequisites” on page 3

View this topic for more details on starting the Administration instance. The Administration instance of the HTTP Server must be running on your system in order to connect to the iSeries Navigator tasks on the Web interface.

## **Configure Web browser connections to iSeries Navigator tasks on the Web**

Ensure that iSeries Navigator Tasks on the Web is configured with the desired behavior for handling SSL or non-secure connections from browsers. Also, if you want to allow or require browser communications to run across a secure connection, you will need to configure SSL for the Administration instance of the HTTP Server.

If you do not use secure connections from Internet Web browsers to the iSeries Navigator tasks on the Web interface, your OS/400<sup>®</sup> userID and password could be easily accessed by someone else on the network. If an external network, such as the Internet, can be used for browser connections to the iSeries Navigator tasks on the Web interface, you should use SSL. If you want to allow secure connections from Internet Web browsers to the iSeries Navigator tasks on the Web interface, you need to set up SSL for the Administration instance of the HTTP Server.

## **Configure how iSeries Navigator tasks on the Web handles HTTP SSL connections**

iSeries Navigator tasks on the Web gives you the ability to require SSL connections from Internet Web browsers to the HTTP Server, or gives you the option to warn users if an SSL connection is not used. If your system is connected to the Internet, it is strongly recommended that you use SSL. In this case, you might want to just warn users if an SSL connection is not use, or require all browsers to use secure connections. If you are behind a firewall, you may choose to run without SSL. In this case, you can turn off the SSL warnings displayed, and SSL checking performed by the iSeries Navigator tasks on the Web user interface. If you want iSeries Navigator tasks on the Web to do something other than warn users if SSL connections are not used by Internet Web browsers, you need to modify the iSeries Navigator tasks configuration.

From the iSeries Navigator Tasks on the Web home page (task=home), click the **iSeries Navigator Tasks Configuration page** link. Select the desired SSL settings on the Configuration panel, then click **OK**

Use the following values to change how SSL is used:

#### **warning:**

This is the default setting. When httpSSL is set to warning, the iSeries Navigator tasks on the Web interface will determine if SSL is being used during the current session. If not, it will display

a warning message for several seconds, but it will still allow the user to connect. If SSL has been used by the browser for the connection to the ADMIN server, no warning will be displayed.

**required:**

When **httpSSL** is set to **required**, the iSeries Navigator tasks on the Web interface will determine if SSL is being used during the current session. If not, it will deny the user access to the application.

**notrequired:**

When **httpSSL** is set to **notrequired**, both secure or non-secure connections to the iSeries Navigator tasks on the Web interface will be accepted. The application will not check to see if SSL is being used during the current session.

**Related tasks**

Set up SSL for the Administration instance of the HTTP Server

## **Configure data-retrieval connections to the local system and managed secondary systems**

Any time iSeries Navigator tasks on the Web retrieves data from OS/400, either on the local iSeries or any managed secondary systems, the IBM Toolbox for Java is used to create a socket connection for data retrieval.

These types of connections are always established between the iSeries Navigator tasks on the Web application and OS/400 on the local iSeries. They will also be established to any managed secondary systems. If the local system running the iSeries Navigator tasks on the Web interface is not behind a firewall, or if any managed secondary systems you want to access are not behind a firewall, you should configure and use SSL for the Java Toolbox socket connections. Also, ensure that iSeries Navigator Tasks on the Web is configured with the desired behavior for creating and using SSL or non-secure IBM Toolbox for Java connections.

iSeries Navigator tasks on the Web works with the IBM Toolbox for Java to establish connections for communicating between OS/400 and the iSeries Navigator tasks on the Web interface. These connections are used to access data on the local iSeries, as well as any managed secondary systems. If your iSeries running the iSeries Navigator tasks on the Web interface or any of your managed secondary systems are not behind a firewall or on an isolated network, you should use SSL for your IBM Toolbox for Java connections. To use SSL for data-access connections, you will need to Configure the Java Toolbox to establish a secure socket connection.

## **Configure how iSeries Navigator tasks on the Web uses SSL connections with the IBM Toolbox for Java**

iSeries Navigator tasks on the Web gives you the ability to require SSL connections for communicating between the iSeries Navigator tasks on the Web interface and OS/400, to attempt to use SSL if possible, to not use SSL, and to warn users if SSL is not used. The configuration of your network will determine which setting is right for you. These connections are only used to send data between the iSeries Navigator tasks on the Web application and OS/400 on the local and any managed secondary systems. If your local iSeries and any managed secondary iSeries systems are behind a firewall, you may choose to not use SSL connections. If you are in a mixed environment with some managed secondary systems behind a firewall and some not, you may want to attempt SSL connections if possible. If you want iSeries Navigator tasks on the Web to do something other than always attempt to make SSL connections and warn users if SSL connections are not used, you need to modify the **SocketConnectionSSL** parameter in the following file:

```
\QIBM\UserData\WebASE\ASE5\SYSINST\config\cells\LOCAL\applications  
\iSeriesNavigatorforWeb.ear\deployments\iSeriesNavigatorforWeb  
\iSeriesNavigator.war\WEB-INF\web.xml
```

Open **web.xml**, and change the contents inside the **<param-value>** tags to modify how SSL is used:

```

<!-- ===== -->
<!-- Socket Connection SSL Configuration pparameter -->
<!-- Indicates whether SSL should be used, must -->
<!-- be used, or will not be used for the socket -->
<!-- connections used to retrieve data from the -->
<!-- target iSeries system for an iSeries Navigator -->
<!-- Task. -->
<!-- possible values: -->
<!-- warning, required, attemptbutnotrequired, notused. -->
<!-- ===== -->
<init-param>
  <param-name>SocketConnectionSSL</param-name>
  <param-value>warning</param-value>
  <description>Whether SSL socket connections with the target iSeries are required.</description>
</init-param>

```

If you make changes to **web.xml**, you need to end and restart the WebSphere system instance in order for your changes to take effect. Use the following values to change how SSL is used in the above code example:

**warning:**

This is the default setting. When **SocketConnectionSSL** is set to **warning**, iSeries Navigator tasks on the Web uses the Java Toolbox to establish a secure socket connection. If a secure connection is established, no warning message displays. If a secure connection cannot be made, a warning message will appear for several seconds, but it will still allow the user to connect. This setting will display one warning per session per managed system that a user connects to. A user must log out and log back in to see the warning message again.

**required:**

When **SocketConnectionSSL** is set to **required**, iSeries Navigator tasks on the Web uses the Java Toolbox to establish a secure socket connection. If a secure connection is established, no warning message displays. If a secure connection cannot be made, an error message will appear and the connection will be denied. The user will not be allowed to continue with the requested task.

**attemptbutnotrequired:**

When **SocketConnectionSSL** is set to **attemptbutnotrequired**, no warning message will be displayed, but iSeries Navigator tasks on the Web will still attempt to establish a secure socket connection using the IBM Toolbox for Java. If a secure connection cannot be established, a non-secure connection will be made.

**notrequired:**

When **SocketConnectionSSL** is set to **notrequired**, a secure connection is not required and iSeries Navigator tasks on the Web will **not** attempt to establish a secure socket connection using the IBM Toolbox for Java. A non-secure connection will be made.

**Related tasks**

Configure the JavaToolbox to establish a secure socket connection

## Configure Application Administration

Use Application Administration to grant and limit user access to the iSeries Navigator tasks on the Web application, and control access to servers managed from the Web interface. By default, only users with All Object (ALLOBJ) system privilege can access the iSeries Navigator Tasks on the Web application or manage this iSeries through a Web task.

You can grant and limit access to iSeries Navigator tasks on the Web with Application Administration by following these steps:

1. In iSeries Navigator, expand **My Connections**.
2. Right-click your system and select **Application Administration** → **Local Settings**.
3. Select the **Host Applications** tab and expand **iSeries Navigator tasks on the Web**.

Under iSeries Navigator tasks on the Web, you can grant or limit access for the following:

#### **Manage Server Through Web Interface**

Specifies that this system can be managed through any iSeries Navigator task performed from the Web, regardless of which system is hosting the iSeries Navigator Tasks on the Web application. The default is set to All Object Access.

#### **Use of iSeries Navigator Web Interface**

Specify to grant or limit access to the iSeries Navigator Web application. The default is set to All Object Access.

#### **Configure iSeries Navigator Web Interface**

Specify to grant or limit access to the iSeries Navigator Web configuration (task=config, or click the Configuration link on the home page). The default is set to All Object Access.

For more detailed information about how to grant and limit user access to iSeries Navigator functions, see Application Administration.

#### **Related concepts**

Application Administration

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## **Work with iSeries Navigator tasks on the Web**

Find out how to work with iSeries Navigator tasks from a Web browser, and find out more about the subset of iSeries Navigator functions that are available on the Web.

After you set up iSeries Navigator tasks on the Web you can begin working with a subset of iSeries Navigator function from a Web browser. ➤ To begin working with iSeries Navigator tasks on the web, click **View All Tasks** from the home page. From the tasks page specify the system and optionally specify a database and schema if you will be using database objects. Click **OK** to open the tasks page. From the tasks page you can select the tab associated with the category you want to work with, and then click the on list or action you want to work with.

Once you create the URL, you can add it to your Web browser's list of favorites and access this iSeries Navigator task like you access any of your favorite/saved Web pages. Or, simply click **Create Favorites...** from the Home page, and a wizard will generate an HTML file that contains all the iSeries Navigator tasks for your iSeries system. By clicking the "Save Favorites HTML" button at the end of the wizard, you can store the HTML file in the directory of your choice. Import this file into your Web browser, and it will create a list of favorites for every iSeries Navigator task on the Web. To import a file in Internet Explorer, select **File --> Import and Export...**, and then follow the wizard's instructions. ⏪

If you are familiar with iSeries Navigator, then you will recognize that the functions available to work with on the web are the same functions available on the installed PC client. While the function is the same, there are differences between navigating and performing actions on the Web, and navigating and performing actions on the installed PC client. For more information about how to use the graphical interface on the Web, see the following concept articles:

- iSeries Navigator URL parameters and available Web tasks
- Performing actions on the Web

If you want more information about the iSeries Navigator functions available on the Web, see the following Information Center topics:

#### **Basic Operations**

- Messages
- Work with printer output
- Jobs



## Work Management

- Manage jobs and threads
- Manage output queues
- Manage subsystems

## Configuration and Service

- System Values
- Time Management

## Database

You can access the following database objects and most of their associated iSeries Navigator - Database functions using the Web interface:

- Schemas
- Tables
- Table partitions
- Aliases
- Indexes
- Journals
- Journal Receivers
- Sequences
- Distinct types
- Functions
- Packages
- SQL Procedures
- Triggers
- Constraints

For more information about these objects, see Database administration.

### Related concepts

“Set up iSeries Navigator tasks on the Web” on page 3

Working with iSeries Navigator tasks on the Web is easy, but first make sure your HTTP Server Administration instance is running and that you have properly configured security to meet your needs. Also, learn how to grant and limit access to iSeries Navigator with Application Administration.

“iSeries Navigator URL parameters and available Web tasks” on page 10

Each iSeries Navigator task that you work with has its own unique URL that displays in your Internet browser’s Address field. Each URL is created by following a predefined set of conventions that includes the host system name, the port, the application name, and the name of the task you want to work with.

“Working with iSeries Navigator lists on the Web” on page 16

While you can work with the same function on the Web as you can on the installed client, the interface used to work with iSeries navigator tasks on the Web is different than the interface you are familiar with on the installed client.

Messages

Work with printer output

Jobs

Manage jobs and threads

Manage output queues

Manage subsystems

## iSeries Navigator tasks on the Web concepts

While the tasks you can work with from the web are the same, the Web interface is different. Learn how predefined URL parameters and URL abbreviations can help you use the iSeries Navigator tasks on the Web interface more efficiently, and find out how to perform actions on iSeries Navigator functions from the Web.

### iSeries Navigator URL parameters and available Web tasks

Each iSeries Navigator task that you work with has its own unique URL that displays in your Internet browser's Address field. Each URL is created by following a predefined set of conventions that includes the host system name, the port, the application name, and the name of the task you want to work with.

- "URL Parameters"
- "iSeries Navigator tasks available on the Web" on page 11

### URL Parameters

Parameter name	Parameter ID	Description	Example
Task	task	The URL task you want to perform	If you wanted to work with <b>active jobs</b> on hostA: http://hostA:2001/webnav/WnServlet? <b>task=act.job</b>
System	&system	Specifies the system you want to manage. This parameter is optional, and needs to be specified only if you want to work with tasks on a secondary host.	If you want to use iSeries Navigator tasks on the Web on hostA but work with active jobs on hostB: http://hostA:2001/webnav/WnServlet? task=act.job& <b>system=hostB</b>
User	&user	Allows you to specify a different user ID if you are working on a secondary host system.	If you want to use a different user ID on a secondary host system: http://hostA:2001/webnav/WnServlet? task=act.job& <b>system=hostB&amp;user=userB</b>
Filter and sort	&filter and sort	You can specify to allow or cancel both filter and sort on a selected task	If you want to turn off the capability to filter and sort: http://hostA:2001/webnav/WnServlet? task=act.job& <b>filter-allowed=false&amp;sort-allowed=false</b>
Table size	&table-size	Specifies the number of items per page you want to display in an online table	If you want to change the number of active jobs displayed per page from 20 to 100: http://hostA:2001/webnav/WnServlet? task=act.job& <b>table-size=100</b>
Column sorting	&column-sort=x-A/D Where x = column ID. A=Ascending D=Descending	Allows you to pre-sort an iSeries Navigator list.	For example, you may want to display the list of active jobs sorted by CPU% in descending order. This allows you to quickly see which jobs are using the most CPU. The parameters on your URL would look like this: <b>&amp;task=act.job&amp;column-sort=8-D.</b>  To view the column IDs for a specific list, display the list on the web, then select the Columns action for the list and click the <b>Show Column IDs</b> to show the ID for each column.
Single TaskMode	&WnSTM	Specifies whether or not a new URL request in the same browser session closes the previous request automatically. The Default setting is WnSTM=True	If you want to use a Web browser that shares the same session (e.g., Netscape), this parameter must be set to false to launch more than one task at a time: http://hostA:2001/webnav/WnServlet? task=act.job& <b>WnSTM=false</b>



## iSeries Navigator tasks available on the Web

The iSeries Navigator Tasks home page is a starting place for users who are just learning about how to use these tasks on the web. From the home page, users can:

- View all available iSeries Navigator tasks
- Start a wizard that will help them select the desired iSeries Navigator task
- Create the html for favorites for all of the iSeries Navigator tasks
- Change their configuration settings
- Learn more about iSeries Navigator tasks on the web by linking into iSeries Information Center

The trace levels page allows the user to customize their log file and adjust their trace levels. The user preferences page allows the user to select default values for iSeries Navigator tasks.

The task abbreviations that are used in the URLs listed below were selected with the goal of keeping them similar to OS/400 commands. The following table shows the URL abbreviations for the iSeries Navigator tasks that are available on the Web:

General iSeries Navigator Tasks		
Name of task	Task ID (task=xxxx)	Additional Parameters
View All Tasks	list	system=system name, userid=user id dbname=database name schema=schema name
Trace Levels	trace	error, warning, diag, info, comp, level, create, entryExit, perf
iSeries Navigator Tasks Home Page	home	
User Preferences	pref	
Configuration Options	config	
Work with Jobs	wrkjobs	
Work with Messages	wrkmsgs	
Work with Printer Output	wrkprtout	

The task abbreviations that are used in the URLs were selected with the goal of keeping them similar to OS/400 commands. The following table shows the URL abbreviations for the iSeries Navigator tasks that are available on the Web in V5R3:

Basic Operations		
Name of task	Task ID (task=xxxx)	Additional Parameters
Messages	msg	msgq, severity, type, foruser
Send a Message	sndmsg	
QSYSMSG Messages	qsysmsg	severity, type
System Operator Messages	sysoprmsg	severity, type
Printer Output	prtout	printer, outq (1), users (3) form, userdata, job, jobsystem, created (8), fromdate, fromtime, todate, totime, status (7)
Hold printer output	hldprtout	file, job, splnbr, jobsysname, crtdate, crttime (5)
Release printer output	rlsprtout	file, job, splnbr, jobsysname, crtdate, crttime (5)

Basic Operations		
Name of task	Task ID (task=xxxx)	Additional Parameters
Display printer output	dspprtout	file, job, splnbr, jobsysname, crtdate, crttime (5)
Printer output properties	prtoutprop	file, job, splnbr, jobsysname, crtdate, crttime (5)
Convert printer output to PDF	cnvprtout	file, job, splnbr, jobsysname, crtdate, crttime (5)
Reply to a message for printer output	rpyprtout	file, job, splnbr, jobsysname, crtdate, crttime (5)
Printers	prt	printer (4)
Hold a printer	hldprt	printer
Release a printer	rlsprt	printer
Start a printer	startprt	printer
Stop a printer	stopprt	printer
Restart a printer	restartprt	printer
Printer Properties	prtprop	printer
Make a printer available	availprt	printer
Make a printer unavailable	unavailprt	printer
Display printer output for a printer	openprt	printer
Reply to a message for a printer	rpyprt	printer
User Jobs	usrjob	jobname, jobuser, jobnbr, type (2), status (6), jobq
Run an iSeries command	runcmd	

Basic Operations		
Name of task	Task ID (task=xxxx)	Additional Parameters
Table Notes <sup>®</sup> :		
1. outq value must be entered as "library/queue". Example: outq=qursys/qezjoblog		
2. Valid types for the user jobs list are: A (Autostart), B (Batch), I (Interactive), M (Subsystem), R (Reader), S (System), W (Writer), X (SCPF System), and * (All)		
3. *current, *all, or up to 20 individual users separated by commas		
4. an individual printer name, or a wild card (name*)		
5. crtdate format is YYYYMMDD and the crttime format is HHMMSS.		
6. Valid values for the "status" parameter for task=usrjob are: *ALL, *ACTIVE, *JOBQ, *OUTQ		
7. Valid values for the "status" parameter for task=prtout are:		
8. Valid values for the "created" parameter are *ALL, and *SPECIFIC. If *SPECIFIC is specified, the from/to date and times are retrieved. Fromdate and todate format is YYYYMMDD. Fromtime and totime format is HHMMSS.		
<ul style="list-style-type: none"> <li>• MSGW Message waiting</li> <li>• HLD Held</li> <li>• CLO Not ready</li> <li>• DFR Deferred</li> <li>• SND Sending</li> <li>• OPN Being created</li> <li>• RDY Ready to print</li> <li>• PND Preparing to print</li> <li>• WTR Sending to printer</li> <li>• PRT Sent to printer</li> <li>• FIN Finished printing</li> <li>• SAV Printed and kept</li> <li>• *ALL All</li> </ul>		
<p><b>* Note:</b> To view printer output contents on the web, you will need to download the IBM AFP Viewer browser plug-in to your PC. The AFP Viewer plug-in lets you view AFP and SCS output from your web browser. You can download this plug-in by going to the following web site: <a href="http://www-1.ibm.com/support/docview.wss?rs=203&amp;q=afp+plugin&amp;uid=psd1P4000233">http://www-1.ibm.com/support/docview.wss?rs=203&amp;q=afp+plugin&amp;uid=psd1P4000233</a></p>		

Work Management		
Name of task	Task ID (task=xxxx)	Additional Parameters
Active Jobs	actjob	jobname, jobuser, jobnbr, curuser, subsystem, type (1)
Server Jobs	actjob	jobname, jobuser, jobnbr, status (3), curuser
Delete a job	dltjob	job jobNbr/jobUser/jobName
Job Properties	jobprop	job jobNbr/jobUser/jobName
Display job log for a job	joblog	job jobNbr/jobUser/jobName
Display locked objects for a job	lockobj	job jobNbr/jobUser/jobName
Display call stack for a job	callstack	job jobNbr/jobUser/jobName
Display open files for a job	openfiles	job jobNbr/jobUser/jobName
Display library list for a job	liblist	job jobNbr/jobUser/jobName
Display performance statistics for a job	perfstats	job jobNbr/jobUser/jobName

Work Management		
Name of task	Task ID (task=xxxx)	Additional Parameters
Display threads for a job	threads	job
Hold a job	hldjob	job jobNbr/jobUser/jobName
Release a job	rlsjob	job jobNbr/jobUser/jobName
Move a job	movjob	job job=jobNbr/jobUser/jobName
Work with a job	wrkjob	job jobNbr/jobUser/jobName
Active Subsystems	sbs	
Active Job Queues	actjobq	
All Job Queues	alljobq	jobq (2)
Hold a job queue	hldjobq	jobq
Release a job queue	rlsjobq	jobq
Clear a job queue	clrjobq	jobq
Output Queues	outq	outq (4)
Hold an output queue	hldoutq	outq (5)
Release an output queue	rlsoutq	outq (5)
Clear an output queue	clroutq	outq (5)
Active Memory Pools	actpool	
Shared Memory Pools	shrpool	
System Status	syssts	
<b>Table Notes:</b>		
1. Valid types for the active jobs list are: A (Autostart), B (Batch), C (Communications), I (Interactive), P (Prestart), M (Subsystem), R (Reader), S (System), W (Writer), and * (All)		
2. jobq value must be entered as "library/queue". Example: jobq=tlk/tlkjobq, jobq=*all/t*		
3. Valid values for the "status" parameter are: *ALL, *ACTIVE, *OUTQ		
4. outq value for the "outq" task must be entered as "library/queue". Example: outq=qursys/qezjoblog. Also, a wildcard value can be entered for the queue name. Example: outq=*ALL/s* to show all output queues that start with the letter "s".		
5. outq value must be entered as "library/queue". Example: outq=qursys/qezjoblog		

Configuration and Service		
Name of task	Task ID (task=xxxx)	Additional Parameters
System Values	sysval	
History Log	dsplog	strdate, strtime, enddate, endtime, jobs, msgids (1)
Disk Status	dsksts	
Time Management	timemgmt	
Change Password	chgpwd	

Configuration and Service		
Name of task	Task ID (task=xxxx)	Additional Parameters
<b>Table Notes:</b>		
1. sample parameter values for dsplog task:		
<ul style="list-style-type: none"> <li>• strdate=*BEGIN, strdate=*CURRENT, strdate=20040525</li> <li>• strtime=*AVAIL, strtime=100000, strtime=153000</li> <li>• enddate=*END, strdate=*CURRENT, strdate=20040525</li> <li>• endtime=*AVAIL, endtime=100000, endtime=153000</li> <li>• jobs=*ALL, jobs=QPADEV0006, jobs=QPADEV0006,QPADEV0004</li> <li>• jobs=TLK/QDFTJOB, jobs=145678/TLK/QDFTJOB</li> <li>• jobs=145678/TLK/QPDEFJOB,222555/TLK/QPADEV0007</li> <li>• msgids=*ALL, msgids=CPF3345, msgids=CPF1124, CPF1164</li> </ul>		
strdate format is YYYYMMDD and the strtime format is HHMMSS		
enddate format is YYYYMMDD and the endtime format is HHMMSS		

Network		
Name of task	Task ID (task=xxxx)	Additional Parameters
TCP/IP Servers	tcpsvr	
Universal Connection Wizard	ucw	

Database		
Name of task	Task ID (task=xxxx)	Additional Parameters
Database: Work with all objects in a schema	db.allobj	dbname=database name, schema=schema name
Database: Work with aliases in a schema	db.alias	dbname=database name, schema=schema name
Database: Work with constraints in a schema	db.cst	dbname=database name, schema=schema name
Database: Work with distinct types in a schema	db.typ	dbname=database name, schema=schema name
Database: Work with functions in a schema	db.func	dbname=database name, schema=schema name
Database: Work with indexes in a schema	db.idx	dbname=database name, schema=schema name
Database: Work with journals in a schema	db.jrn	dbname=database name, schema=schema name
Database: Work with journal receivers in a schema	db.jrnrcv	dbname=database name, schema=schema name
Database: Work with SQL procedures in a schema	db.proc	dbname=database name, schema=schema name
Database: Work with sequences in a schema	db.seq	dbname=database name, schema=schema name
Database: Work with SQL packages in a schema	db.pkg	dbname=database name, schema=schema name
Database: Work with tables in a schema	db.tbl	dbname=database name, schema=schema name

Database		
Name of task	Task ID (task=xxxx)	Additional Parameters
Database: Work with triggers in a schema	db.trg	dbname=database name, schema=schema name
Database: Work with views in a schema	db.view	dbname=database name, schema=schema name
Database: Create alias	db.crtalias	dbname=database name, schema=schema name
Database: Create distinct type	db.crttyp	dbname=database name, schema=schema name
Database: Create index	db.crtidx	dbname=database name, schema=schema name
Database: Create schema	db.crtschema	dbname=database name, schema=schema name
Database: Create sequence	db.crtseq	dbname=database name, schema=schema name
Database: Create table	db.crttbl	dbname=database name, schema=schema name
Database: Select which schemas to work with	db.selschema	dbname=database name, schema=schema name
Work with all partitions in a table	db.tblpart	
Work with schemas in user list	db.schema	
Work with a list of Databases on the system	db.database	
Work with all indexes for a table	db.tblidx	
Work with a list of the system performance monitors	db.perfmon	
Create a new performance monitor	db.crtmon	
Import data onto the system	db.import	
Export data from the system	db.export	
Work with a list of the objects that have an index advised	db.idxadv	

### Related concepts

“Work with iSeries Navigator tasks on the Web” on page 8

Find out how to work with iSeries Navigator tasks from a Web browser, and find out more about the subset of iSeries Navigator functions that are available on the Web.

“Working with iSeries Navigator lists on the Web”

While you can work with the same function on the Web as you can on the installed client, the interface used to work with iSeries navigator tasks on the Web is different than the interface you are familiar with on the installed client.

## Working with iSeries Navigator lists on the Web

While you can work with the same function on the Web as you can on the installed client, the interface used to work with iSeries navigator tasks on the Web is different than the interface you are familiar with on the installed client.

The following information describes how to take action on an iSeries Navigator task or function from a Web browser, and also provides tips for how to change the way iSeries Navigator items are displayed in the online list view.

**Note:** It is important to logout after you are finished using iSeries Navigator tasks on the Web. When you logout, the system has a chance to close connections and free resources, which will make more memory available to other applications.

## Performing actions on an iSeries Navigator list

Take action on:

### The entire list

Actions that apply to the entire iSeries Navigator list, such as **Include** and **Columns**, can be found in the **Select Action** menu at the top of the list. Select the action and click **Go** to perform the action. No selection of items in the list is needed prior to performing these types of actions.

### A single item

To perform an action on a single item in the list, click the menu icon that is located next to the item name. This will display a context menu, where you can select the desired action.

### Multiple items

To perform an action on multiple items in the list, select the items by clicking in the selection box to the left of the item names. The items you want to work with are now highlighted. To perform the action, do one of the following:

1. Select the desired action from the **Select Action** field at the top of the list. Select the action you want to perform and click **Go**.
2. Alternatively, click the menu icon that is located next to the item name of one of the selected items. This will display a context menu, where you can select the desired action

### Every item in the list

To perform an action on every item in the list, click the **Select All** icon at the top of the list, then click the menu icon that is located next to one of the item names. This will display a context menu, where you can select the desired action

## Table functions available on the Web

**Find** The web table also supports a "Find" function, but it is far more powerful than the Find supported within the iSeries Navigator client. On the web, you can:

- Specify four different conditions: Contains, Starts with, Ends with, Exact match
- Limit the search to a specific column, or search across all columns
- Search up or down in the list
- Specify whether to "Match case" or not
- Specify to display the Find toolbar or to hide the Find toolbar

**Filter** List filtering is provided for all iSeries Navigator lists on the web, regardless of whether the component that provides the list supports an "Include" function. It should be noted that, unlike the Include function, list filtering built into the web table is not persistent: filter settings will not be remembered for subsequent uses of the list. This powerful filtering function:

- Supports filtering on one or more columns in the list
- Supports the following filter conditions for text columns (a "Match case" option can be applied to all three conditions) :
  - Contains
  - Starts with
  - Ends with
- Supports the following filter conditions for numerical columns:

- All numbers
- Numbers less than xxx
- Numbers less than or equal to xxx
- Numbers greater than xxx
- Numbers greater than or equal to xxx
- Numbers equal to xxx
- Numbers not equal to xxx
- Numbers between xxx and yyy
- Numbers between and including xxx and yyy

**Sort** The built-in data sorting provided by the web table allows you to:

- Specify up to 3 columns from the list to sort the list by
- Specify ascending or descending sorting for each of the columns

### List Navigation

The web table allows easy navigation throughout the list by supporting:

- Next and previous buttons for moving through the list
- Going to a specific page in the list
- Collapsing or expanding the entire list

**Note: Note:** If you want to modify the number of entries per page that will display in a list, you can use the Table size parameter (&table-size) described in Using URL parameters and URL abbreviations

### Add or remove selections for all items in the list

You can easily add a selection to all items in the list, or remove selections from all items in the list by clicking on a toolbar icon at the top of the web table.



### Related concepts

“Work with iSeries Navigator tasks on the Web” on page 8

Find out how to work with iSeries Navigator tasks from a Web browser, and find out more about the subset of iSeries Navigator functions that are available on the Web.

“iSeries Navigator URL parameters and available Web tasks” on page 10

Each iSeries Navigator task that you work with has its own unique URL that displays in your Internet browser’s Address field. Each URL is created by following a predefined set of conventions that includes the host system name, the port, the application name, and the name of the task you want to work with.



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