

IBM

@server

iSeries

iSeries Navigator

Version 5 Release 3





@server

iSeries

iSeries Navigator

Version 5 Release 3

Note

Before using this information and the product it supports, be sure to read the information in "Notices," on page 25.

Sixth Edition (August 2005)

This edition applies to Version 5, Release 3, Modification 0 of IBM Operating System/400 (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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Chapter 1. Getting to know iSeries Navigator

iSeries^(TM) Navigator is a powerful graphical interface for Windows^(R) clients. With iSeries Navigator, you can use your graphical interface skills to manage and administer your servers.

To learn more about iSeries Navigator, do the following:

Chapter 2, “What’s new for iSeries Navigator in V5R3,” on page 5

See a summary of the new and changed information in the V5R3 Information Center for iSeries Navigator.

Chapter 3, “Print this topic,” on page 7

Download and print a PDF of the iSeries Navigator topic.

Chapter 4, “iSeries Navigator - Functions by Release,” on page 9

When you are using V5R3 iSeries Navigator, you will find that the functions available for any iSeries server you are connected to are dependent on which version of OS/400^(R) is running on that server. See this table to find out which functions are available for each release of OS/400.

Chapter 5, “Requirements for installing iSeries Navigator,” on page 17

Review the PC hardware and software requirements to install iSeries Navigator.

Chapter 6, “Installing iSeries Navigator,” on page 19

Get started managing and administering your server from your PC. Once installation is complete, task-based information is available in the iSeries Navigator online help.

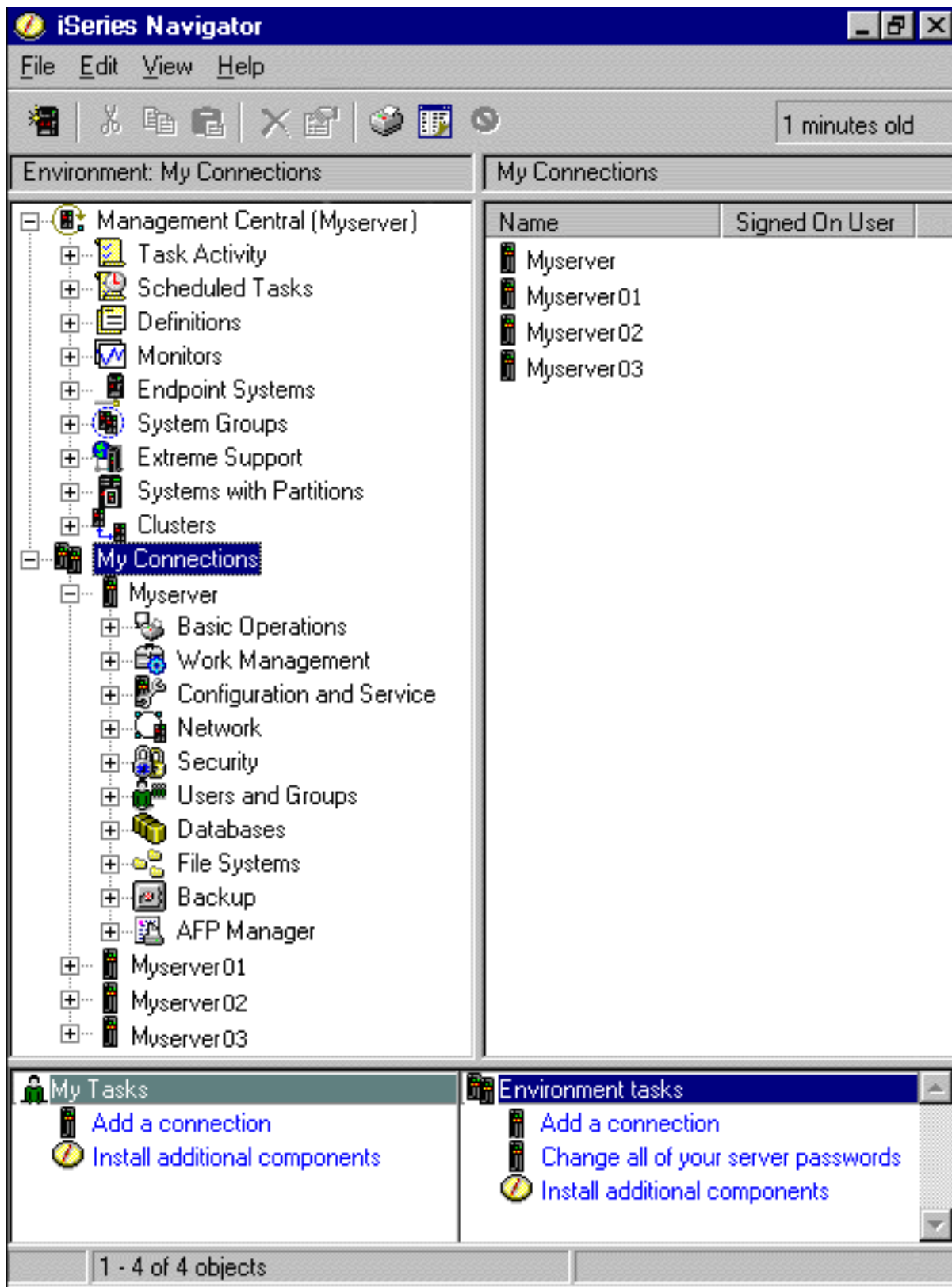
Chapter 7, “Working with iSeries Navigator,” on page 21

See an overview of the capabilities that iSeries Navigator provides, which are covered in the Information Center.

Chapter 8, “Related information for iSeries Navigator,” on page 23

Follow the links in this topic to find related technical information in IBM^R RedbooksTM, in other Information Center topics, and on IBM Web sites.

Here is an example of the iSeries Navigator main window:



From this example, you can see the iSeries Navigator hierarchical tree view in the left pane of the window. It provides a familiar user interface for those experienced in using graphical interfaces. It also decreases the need for users to learn the character-based interface. iSeries Navigator functionality includes system

navigation, configuration, systems management, and monitoring capabilities. For step-by-step instructions on how to perform tasks in iSeries Navigator, see the iSeries Navigator online help.

Chapter 2. What's new for iSeries Navigator in V5R3

New and changed information in the V5R3 Information Center for iSeries^(TM) Navigator includes:

- **Chapter 6, “Installing iSeries Navigator,” on page 19**
Updated PC hardware and software requirements.
- **Chapter 4, “iSeries Navigator - Functions by Release,” on page 9**
Formerly available from the iSeries Navigator Web page, this table (which shows what functions are available for each release of OS/400^(R)) is now part of the iSeries Information Center. When you are using iSeries Navigator, you will find that the functions available for any iSeries server you are connected to are dependent on which version of OS/400 is running on that server.
- **iSeries Navigator tasks on the Web**
You can now access and 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:
 - Messages, User Jobs, and Printer Output (in Basic Operations)
 - Active Jobs, Server Jobs, Output Queues, and Subsystems (in Work Management)
 - System Values and Time Management (in Configuration and Service)
 - Database Objects in (Databases)
- **Intelligent Agents console**
System administrators can now manage one or more ABLE (Agent Building and Learning Environment) agents running on a single system or across a distributed platform. This new topic in the iSeries Information Center provides more information about ABLE agents, setting up your agent environment, and using the Intelligent Agents console in iSeries Navigator.

In addition to the information in the Chapter 4, “iSeries Navigator - Functions by Release,” on page 9 table, see the following for more information about what new functions are available in V5R3 for iSeries Navigator:

- iSeries^(TM) Technical Support



Web site

Look under Library in the left navigation bar, and then under iSeries Technical Overviews, for a more technical description of the new functions in V5R3.



- **iSeries Navigator online help**
In iSeries Navigator, click **Help -> Help Topics -> What's new?** to review all the new functions available in iSeries Navigator this release.

See also the following topics:

- iSeries Navigator for Wireless — What's new for V5R3
- iSeries Navigator tasks on the Web — What's new for V5R3
- Management Central — What's new for V5R3?

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.

Chapter 3. Print this topic

To view or download the PDF version of this document, select Getting to know iSeries Navigator (about 322 KB).


Other information

You can also view or print any of the following Redbook PDFs:



- [» Managing OS/400 with Operations Navigator V5R1 Volume 1: Overview and More](#) 
- [Managing OS/400 with Operations Navigator V5R1 Volume 2: Security](#) 
- [Managing OS/400 with Operations Navigator V5R1 Volume 3: Configuration and Service](#) 
- [Managing OS/400 with Operations Navigator V5R1 Volume 4: Packages and Products](#) 
- [Managing OS/400 with Operations Navigator V5R1 Volume 5: Performance Management](#) 
- [Managing OS/400 with Operations Navigator V5R1 Volume 6: Networking](#)  

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2. [»](#) Click **Save Target As...** if you are using Internet Explorer. Click **Save Link As...** if you are using Netscape Communicator. 
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Chapter 4. iSeries Navigator - Functions by Release

» When you are using V5R3 iSeries^(TM) Navigator, you will find that the functions available for any iSeries server you are connected to are dependent on which version of OS/400^(R) is running on that server. The following table shows what functions are available for each release of OS/400.

Management Central	Description	V5R1	V5R2	V5R3
Management Central	Multiple iSeries systems management.			
Monitors	System Monitors - Monitor real-time performance of one or more iSeries servers.			
	Job Monitors - Monitor jobs on one ore more iSeries servers.			
	Message Monitors - Monitor messages on one or more iSeries servers.			
	B2B Activity Monitors - Monitors your B2B transactions.			
	File Monitors - Monitors files for any changes, or for specific text strings.			
	Graph History - Provides a graphical view of performance data collected over days, weeks, months, or years.			
Commands	Run and save commands.			
Packages	Create, save, and distribute objects.			
Hardware / Software Inventory	Collect and display inventory.			
Fixes Inventory	Manage software fixes (PTFs).			
Scheduling	Schedule Management Central tasks.			
Collection Services	Collect performance data.			
System Values	Display, change, and distribute system values.			
Distributed User and Group Administration	Create, change, and distribute users and groups.			
Licensed Program Installation	Create LPs and fixes, distribute and install.			

Management Central	Description	V5R1	V5R2	V5R3
Extreme Support	Secure, personalized service and electronic support.			
SSL Support	Secure transmissions between a central system and endpoint systems.			
	Enhanced SSL and Authentication - sign on to one system and be recognized by others.			
Synchronize Date and Time	Synchronize date and time system values across a network of iSeries servers using Compare and Update System Values.			
Cluster Proven	High availability for Management Central when running in a cluster environment.			
Synchronize EIM and Kerberos Configurations	Use the Synchronize Functions wizard to duplicate your EIM and Kerberos configurations from a model system to your endpoints.			
iSeries Navigator for Wireless	Description	V5R1	V5R2	V5R3
iSeries Navigator for Wireless	Remotely monitor system performance and status.			
iSeries Navigator Tasks on the Web	Description	V5R1	V5R2	V5R3
iSeries Navigator Tasks on the Web	Select iSeries Navigator tasks directly accessible from a web browser.			
Intelligent Agents	Description	V5R1	V5R2	V5R3
Intelligent Agent Support	Create and manage autonomic Java™ agents to maintain your iSeries servers.			
Application Administration	Description	V5R1	V5R2	V5R3
Application Administration	Control user's access to functions.			
Administration of Plug-ins	Control user's access to iSeries Navigator plug-ins.			
Centralized Administration	Define an administration system to centralize your Application Administration settings.			
Basic Operations	Description	V5R1	V5R2	V5R3
Basic Operations	Manage lists of messages, printer output, and printers.			
Messages	Work with messages.			
Printers	Manage printers.			
Printer Output	Work with printer output.			

Management Central	Description	V5R1	V5R2	V5R3
	Cut, copy, paste, drag & drop, printer output.			
AFP Workbench Viewer	Displays printer output.			
Jobs	Work with user jobs.			
Job logs	Display job log for a job.			
Command Prompter Graphical CL Command Prompter	Description Prompt for CL commands within iSeries Navigator.	V5R1 	V5R2 	V5R3
Work Management Work Management	Description Manage system operation and the daily workload on the system.	V5R1 	V5R2 	V5R3
Active Jobs	Work with active jobs.			
	Call Stack - View the call stack for an active job.			
	Library List - View the library list for an active job.			
	Locked Objects - Work with the object locks for an active job.			
	Open Library Objects - View and work with the open library objects for an active job.			
	Open File System Objects - View and work with the open file system objects for an active job.			
	Elapsed Performance Statistics - Monitor job performance using Elapsed Performance Statistics.			
	Threads - Work with threads running under an active job.			
	Transactions - Work with transactions attached to an active job.			
	Last SQL Statement - Work with last SQL statement that was run by an active job.			
Server Jobs	Work with server jobs.			
Job Queues	Work with active and all job queues.			

Management Central Subsystems	Description	V5R1	V5R2	V5R3
	Work with active subsystems.			
Memory Pools	Work with memory pools.			
Output Queues	Work with all output queues on the system.			
System Status	Quickly and easily check the status of a system.			
Hardware Configuration and Service	Description	V5R1	V5R2	V5R3
	Manage hardware and software on your system.			
	System Values - Work with all system values.			
	Time Management - Adjust time and manage time zones.			
	Hardware Inventory - Display the hardware for the system.			
	Software Inventory - Display the software for the system.			
Disk Management	Manage the disk units on your system.			
	Work with disk unit balancing, status, and capacity.			
	Manage disk units, HSM, and compression. Add, move, and remove disk units.			
	Set up and manage independent disk pools.			
	Graphical View - Displays all disk units in a parity set, mirrored pairs, active, and more.			
	Print the graphical view.			
	Parity Sets - Start, stop, and resynchronize parity.			
	Parity Sets - Change parity optimization.			
	Geographic Mirroring - Mirror independent disk pools to systems at other sites.			
LPAR Configuration	Configure and manage local partitions.			

Management Central	Description	V5R1	V5R2	V5R3
Simple Cluster Configuration	Configure and manage two-node clusters.			
Tape Devices	Support for stand-alone tape devices and tape libraries.			
Network Network Functions	Description	V5R1	V5R2	V5R3
	Manage your OS/400 TCP/IP configuration and other communications interfaces using wizards, configure new servers, and start servers in one step when TCP/IP starts.			
	Access iSeries Internet applications like IBM ^R Web Administration for iSeries.			
	Manage point-to-point communications.			
	Set up and manage TCP/IP interfaces.			
	Set up and manage server applications, which includes: DNS, DHCP, iSeries NetServer, NFS, DCE, Directory server (LDAP).			
	Set up and manage IP security.			
	Set up virtual private networking (VPN).			
	Manage additional IP interface and line types (PPP for example) over L2TP and ISDN, WAN and Circuitless IP.			
	Manage TCP/IP quality of service.			
	NetStat - Detailed information for interfaces, routes, connections, physical interface activity.			
Windows ^R Administration	Manage your Windows server on an Integrated xSeries TM Server.			
	Windows Server Management - Start and stop integrated Windows servers, status.			
	Manage users and disk storage for your integrated Windows servers.			
Enterprise Identity Mapping (EIM)	Inexpensive cross-platform single sign-on.			
	Create and manage mapping policies.			

Management Central	Description	V5R1	V5R2	V5R3
	Test EIM mappings.			
	Support for x.509 and Digital Certificates.			
Security	Description	V5R1	V5R2	V5R3
Security	Object authority and security system values.			
Permissions	Manage object authority.			
Security Policies	Maintain security and auditing policies.			
Security Configuration Wizard	Configure security.			
Users and Groups	Manage OS/400 users and groups.			
SSL Support	Use SSL to secure iSeries server applications.			
Network Authentication Service	Easily create and manage Kerberos tickets to authenticate users			
	Create and manage keytab entries.			
Object Signing and Signature Verification				
Database	Description	V5R1	V5R2	V5R3
Database	Administration of DB2(R) Universal Database(TM) (UDB) for iSeries.			
Multiple Databases	Multiple databases now supported using independent disk pools.			
Manage DB2 UDB Objects	Work with complex objects, procedures, and functions.			
	Tables, views, journals, indexes, and aliases.			
	Sequence objects, partitioned tables, check pending constraints, materialized query tables and more.			
	Objects organized by container.			
Reorganize Tables	Stop, resume, and view progress of table reorganization.			

Management Central	Description	V5R1	V5R2	V5R3
SQL	Create, save, and run SQL scripts.			
	Collect and view SQL performance data using SQL performance monitors.			
	View the SQL statements used to perform database actions using Show SQL.			
	Library support enhanced to support SQL object schema.			
Visual Explain	Visual description of queries.			
Database Navigator	Visual description of your database.			
iSeries Graphical Debugger	Launch and run from SQL scripts.			
Integrated File System (IFS)	Description	V5R1	V5R2	V5R3
Integrated File System	Work with the iSeries integrated file system.			
	Cut, copy, paste, create, and Rename IFS files.			
	Drag and drop, cut, copy, and paste QSYS objects.			
File Shares	List and work with NetServer File Shares.			
Additional Attributes	Display object attributes.			
Virus Scanning	Provides support for scanning files using third-party virus scanning software.			
Advanced Function Printing™ (AFP™)	Description	V5R1	V5R2	V5R3
AFP Manager	AFP resources, font mapping tables, PSF.			
Intelligent Routing	Specify any combination of stream file, spooled file, or e-mail for PDF output file.			
Backup	Description	V5R1	V5R2	V5R3
Backup	Schedule backups.			
BRMS	Description	V5R1	V5R2	V5R3
Backup, Recovery and Media Services (BRMS)	BRMS Licensed Program (iSeries Navigator plug-in).			

Management Central	Description	V5R1	V5R2	V5R3
	Global policy properties			
	View and save HTML-based reports.			
	Reclaim media			
	Manage devices			
	Backup policy omits of folders, libraries, and library objects.			
	Restore printer output and archive objects			
Application Development	Description	V5R1	V5R2	V5R3
Application Development	Work with application development tools.			
Plug-in Support	Description	V5R1	V5R2	V5R3
Java	Create plug-ins using Java.			
C++	Create plug-ins using C++.			
Visual Basic	Create plug-ins using Visual Basic.			



Chapter 5. Requirements for installing iSeries Navigator

➤ To install and use iSeries^(TM) Navigator, your PC must be running one of the following Windows^(R) operating systems:

- Windows NT^R 4.0
- Windows 2000
- Windows XP
- Windows Server 2003 (32-bit PC)
- Windows Server 2003 (64-bit PC).

See Prerequisites to set up the PC for iSeries Access for Windows for the processor, memory, and service pack level requirements for each operating system. ◀

Chapter 6. Installing iSeries Navigator

All iSeries^(TM) Navigator components are packaged with iSeries Access for Windows. Assuming that your PC meets the Chapter 5, “Requirements for installing iSeries Navigator,” on page 17, your first step is to install the iSeries Navigator components when you install iSeries Access for Windows on your PC.

Note: You need to have iSeries Access for Windows installed on the system from which you **install** iSeries Navigator. However, iSeries Access for Windows is not required on the systems that you **connect to** with iSeries Navigator. The only software requirement for these systems is the OS/400 host servers option (Option 12 when you install the OS/400^(R) operating system).

» To install iSeries Navigator on your PC, follow the instructions to install iSeries Access for Windows on your PC. « If you are installing iSeries Navigator for the first time, be sure to make these selections:

1. Select the **Custom** installation option during iSeries Access for Windows installation.
2. In the **Component Selection** window, only some of the subcomponents of iSeries Navigator are preselected to be installed. Click the gray box next to **iSeries Navigator** to remove the default selections.
3. Click the box next to **iSeries Navigator** again. This selects all of the individual iSeries Navigator subcomponents.
4. Deselect any subcomponent that you do not want installed.

If you have a previous release of iSeries Navigator installed on your PC, you can choose the **Basic Upgrade** installation option to upgrade your previously installed components to the new release. To add or remove components, choose **Selective Upgrade**.

Installation tips:

- If you select the **Typical** installation option, only the following iSeries Navigator components will be installed:
 - iSeries Navigator base support
 - Basic operations (messages, printer output, printers, and jobs)
- To install additional components after you install iSeries Navigator, use iSeries Access **Selective Setup**.
- If you are having trouble reading the fonts on some windows, try using a screen resolution of 1024x768 or higher.

Once you have completed installing iSeries Navigator, you will need to add server connections. To add connections to iSeries Navigator:

1. Double-click the **iSeries Navigator** icon on your Windows desktop.
2. Click **Yes** to create a connection.
3. Follow the instructions in the Add Connection wizard.
4. To add another server connection, click **File -> Connection to Servers -> Add Connection** in the iSeries Navigator main window.

Once you have iSeries Navigator up and running, refer to the iSeries Navigator online help for specific task-based information.

Chapter 7. Working with iSeries Navigator

iSeries^(TM) Navigator provides a powerful suite of functions to handle your system administration tasks. Once you have Chapter 6, “Installing iSeries Navigator,” on page 19, use the online help for step-by-step instructions for all the individual tasks that you can do “the GUI way” in iSeries Navigator. In the main iSeries Navigator window, just click **Help -> Help Topics -> What can I do with...?**

For links to related conceptual information in the Information Center, keep reading!

iSeries Navigator concepts

Manage multiple systems

The Management Central technology, which is an integral part of iSeries Navigator, allows you to manage tasks across one or more servers simultaneously. Simplify your systems management with task scheduling, real-time performance monitoring, managing fixes (or PTFs), distributing objects, managing users and groups, running commands from a central system, and much much more.

Manage logical partitions

Use iSeries Navigator to access your logical partition information, change logical partition configuration, manage security, and change processing resources without requiring a system restart. On an iSeries server, you can use iSeries Navigator, DST, and SST to manage your logical partitions. >> If you are working with partitions on an @server^R 5xxx, see Partitioning the server for more information. <<

>> Manage your hardware

Use iSeries Navigator to configure, protect, and manage all of your disk units and disk pools, as well as work with mirroring and parity protection. iSeries Navigator also allows you to view all stand-alone devices as well as all the tape resources and cartridges within your tape libraries. Using iSeries Navigator, you can duplicate tapes, display or print volume labels, eject a tape from a tape library, format a tape, make a tape cartridge or device (vary it on), make a tape device unavailable (vary it off), print save-or-restore-tape information, print volume contents, and reset tape resources. <<

Secure your network

Network security means that your customers, employees, and business partners can obtain the information that they need to do business with you in a secure environment. iSeries Navigator has several integrated features that will help build a strong defense against the security risks you may encounter along the way. Use iSeries Navigator to configure everything from your basic system security policy to secure end-to-end VPN connections, filter rules, address translation, SSL, enterprise identity mapping, and much more.

Work with database records

You can perform many of your database tasks using iSeries Navigator. These tasks include creating and maintaining database objects, inserting or changing data, monitoring and analyzing query performance, and creating a map of your database. See Getting started with iSeries Navigator Database for more details.

Connect your network

Use the Network component of iSeries Navigator to configure and manage network communications on your server. Find wizards to easily configure the interfaces, routes, and servers that are necessary for network communications. Verify connectivity using the PING and trace route utilities. Then, choose from a variety of functions to customize the network; for example, you may select IP policies to control and secure your network traffic using QoS or VPN, or choose Remote Access Services to create point-to-point connections. See Networking for detailed information about various networking technologies that you can use on the iSeries.

Manage your system workload

System jobs are created by the operating system to control system resources and perform system functions. System jobs run when the iSeries server starts, without user input. These jobs perform a variety of tasks from starting the operating system, to starting and ending subsystems, to scheduling jobs. See job actions for information about managing jobs.








Limit application availability

Application Administration allows administrators to limit or grant access to functions, including several iSeries Navigator functions, and other applications for the users and groups on a specific iSeries server. Administrators can also centrally manage many of the properties used by iSeries Access for Windows clients and use the advanced Application Administration settings to centrally control environment, password, connection, service, and language settings.

Chapter 8. Related information for iSeries Navigator

Listed below are the IBM^(R) Redbooks^(TM) (in PDF format), Web sites, and Information Center topics that relate to the iSeries^(TM) Navigator topic. You can view or print any of the PDFs.

Redbooks

- [▶▶ Managing OS/400 with Operations Navigator V5R1 Volume 1: Overview and More](#) 
- [Managing OS/400 with Operations Navigator V5R1 Volume 2: Security](#) 
- [Managing OS/400 with Operations Navigator V5R1 Volume 3: Configuration and Service](#) 
- [Managing OS/400 with Operations Navigator V5R1 Volume 4: Packages and Products](#) 
- [Managing OS/400 with Operations Navigator V5R1 Volume 5: Performance Management](#) 
- [Managing OS/400 with Operations Navigator V5R1 Volume 6: Networking](#)  

Web sites


- [iSeries Navigator home page](#)  .

Other Information Center topics



- [iSeries Navigator for Wireless](#) (about 650 KB)
- [iSeries Navigator tasks on the Web](#) (about 150 KB)
- [Application Administration](#) (about 200 KB)
- [Management Central](#) (about 250 KB)
 - [Performance](#) (about 1100 KB)
 - [Software and licensed programs](#) (about 350 KB)
- [Developing iSeries Navigator plug-ins](#) (about 360 KB)

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