



System i

Connecting to System i Getting to know iSeries Navigator

Version 5 Release 4





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Note

Before using this information and the product it supports, read the information in “Notices,” on page 23.

Seventh Edition (February 2006)

This edition applies to version 5, release 4, modification 0 of IBM 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 CISC models.

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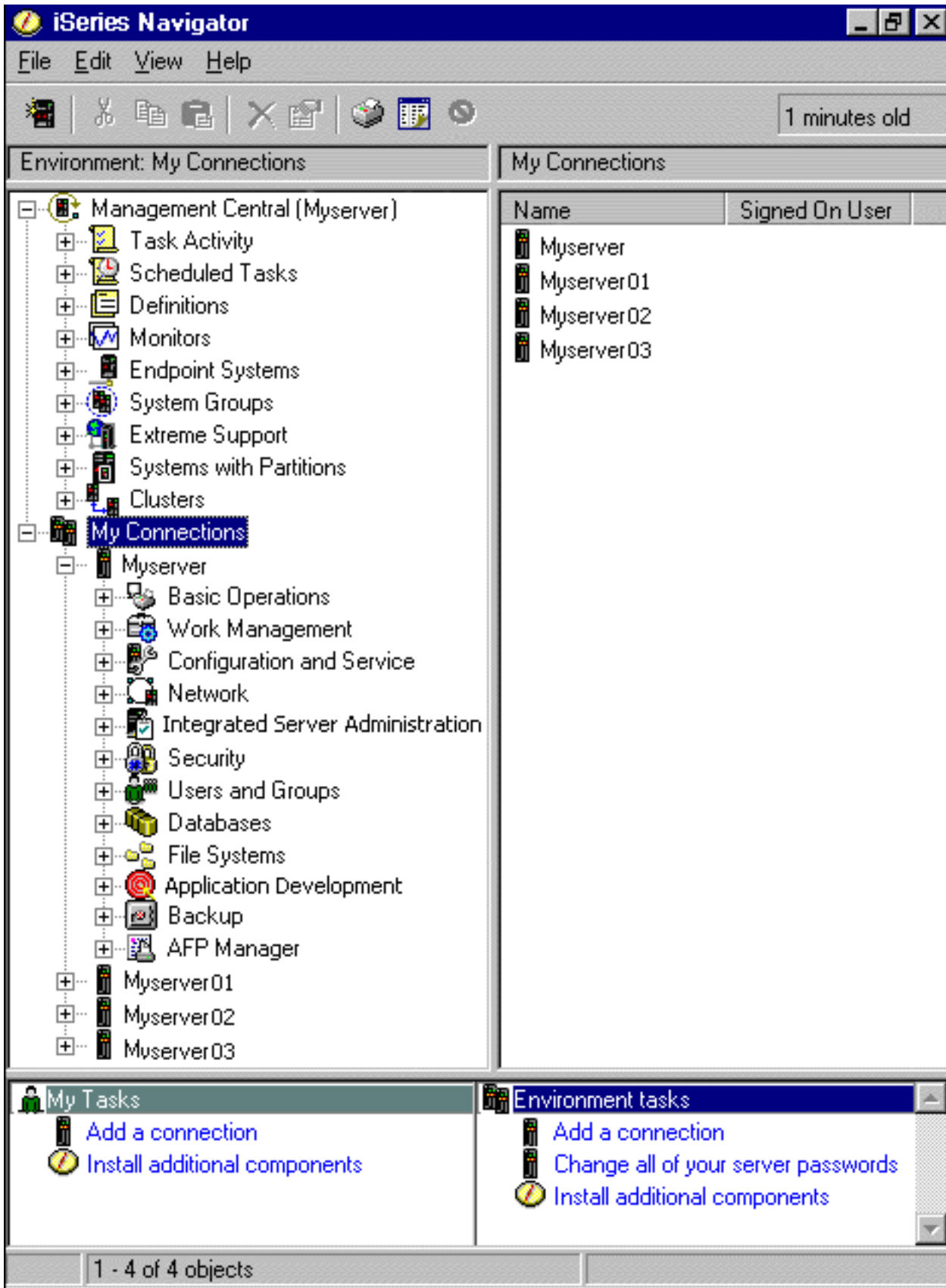
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Getting to know iSeries Navigator

iSeries™ Navigator is a graphical interface for Windows® clients. With iSeries Navigator, you can use a graphical interface to manage and administer your systems.

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.

What's new for iSeries Navigator in V5R4

See a summary of the new and changed information in the V5R4 Information Center for iSeries Navigator.

New and changed information in the V5R4 Information Center for iSeries Navigator includes:

"Installing iSeries Navigator" on page 17

Updated PC hardware and software requirements.

"iSeries Navigator functions by release" on page 4

Formerly available from the iSeries Navigator Web page, a table shows what functions are available for each release of i5/OS®. When you are using iSeries Navigator, the functions available for any system to which you are connected depend on which version of i5/OS is running on that system.

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

System administrators can now manage one or more Agent Building and Learning Environment (ABLE) agents running on a single system or across a distributed platform. This new topic in the i5/OS 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 Functions by release table, see the following for more information about what new functions are available in V5R4 for iSeries Navigator:

Support for IBM® System i™ Web site

Look under i5/OS Technical Overview, for a more technical description of the new functions in V5R4.

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 V5R4
- iSeries Navigator tasks on the Web -- What's new for V5R4
- Management Central -- What's new for V5R4?

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.

Printable PDF

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


To view or download the PDF version of this document, select Getting to know iSeries Navigator (about 422 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 the option that saves the PDF locally.
3. Navigate to the directory in which you want to save the PDF.
4. Click **Save**.

Downloading Adobe Reader

1. You need Adobe Reader installed on your system to view or print these PDFs. You can download a free copy from the Adobe Web site (www.adobe.com/products/acrobat/readstep.html) .

iSeries Navigator functions by release

The iSeries Navigator functions that are available for the system to which you are connected depend on which version of the operating system is running on that system.

The following table lists which functions are available for each release of the i5/OS operating system.



Note: In the table, the check sign () indicates that the function is supported in this release, and the check plus sign () indicates that the function has been enhanced in this release.

Table 1. iSeries Navigator functions










Function	Description	V5R2	V5R3	V5R4
Management Central				
Management Central	Manage multiple System i platforms.			
Monitors				
	System Monitors - Monitor real-time performance of one or more systems.			
	Job Monitors - Monitor jobs on one or more systems.			

Table 1. iSeries Navigator functions (continued)

Function	Description	V5R2	V5R3	V5R4
	Message Monitors - Monitor messages on one or more systems.			
	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 and 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.			
Extreme Support	Secure, personalized service and electronic support.			

Table 1. iSeries Navigator functions (continued)
































Function	Description	V5R2	V5R3	V5R4	
Secure Sockets Layer (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 systems 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					
iSeries Navigator for Wireless	Remotely monitor system performance and status.				
iSeries Navigator Tasks on the Web	Select iSeries Navigator tasks directly accessible from a Web browser.				
Basic Operations	Manage i5/OS messages, printer output, printers, and jobs.				
	Messages				
	Printers				
	Printer output				
	Jobs				
	Command Prompter	Prompt for CL commands from the Web.			
	Work Management	Manage daily system operations and workload.			

Table 1. iSeries Navigator functions (continued)

Function	Description	V5R2	V5R3	V5R4
	Active jobs			
	Server jobs			
	Job queues			
	Subsystems			
	Output queues			
	Memory pools			
	System status			
Database	Administer DB2 [®] UDB for iSeries from the Web.			
	Tables, objects, views, journals, and indexes			
	Constraints			
	Sequences			
	SQL procedures and packages			
	Schemas			
	Database performance monitors			

Table 1. iSeries Navigator functions (continued)

Function	Description	V5R2	V5R3	V5R4
	Import and export data			
Hardware	Manage your System i hardware from the Web.			
	Configuration and service			
Network	Manage your i5/OS TCP/IP configuration and other communications from the Web.			
	TCP/IP servers			
	Universal connection wizard			
Intelligent Agents Intelligent Agent Support	Create and manage autonomic Java™ agents to maintain your systems.			
Application Administration 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 Basic Operations	Manage lists of messages, printer output, and printers.			
Messages	Work with messages.			
Printers	Manage printers.			
Printer Output	Work with printer output.			

Table 1. iSeries Navigator functions (continued)

Function	Description	V5R2	V5R3	V5R4
	Cut, copy, paste, drag and 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	Prompt for CL commands within iSeries Navigator.			
Work Management Work Management	Manage system operation and the daily workload on the system.			
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.			

Table 1. iSeries Navigator functions (continued)

Function	Description	V5R2	V5R3	V5R4
	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.			
Subsystems	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	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.			
	History Log - Display messages in the system history log.			

Table 1. iSeries Navigator functions (continued)



































Function	Description	V5R2	V5R3	V5R4
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.		
Simple Cluster Configuration	Configure and manage two-node clusters.			
Tape Devices	Support for stand-alone tape devices and tape libraries.			
	Tape image catalogs.			
	Virtual tape devices.			
Network				

Table 1. iSeries Navigator functions (continued)

Function	Description	V5R2	V5R3	V5R4
Network Functions	Manage your i5/OS TCP/IP configuration and other communication interfaces using wizards, configure new systems, and start systems in one step when TCP/IP starts.			
	Access i5/OS Internet applications like IBM Web Administration for i5/OS.			
	Manage point-to-point communications.			
	Set up and manage TCP/IP interfaces.			
	Set up and manage applications including Domain Name System (DNS), Dynamic Host Configuration Protocol (DHCP), iSeries Support for Windows Network Neighborhood (iSeries NetServer™), Network File System (NFS), data communication equipment (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.			
Enterprise Identity Mapping (EIM)	Inexpensive cross-platform single sign-on.			
	Create and manage mapping policies.			

Table 1. iSeries Navigator functions (continued)

Function	Description	V5R2	V5R3	V5R4
	Test EIM mappings.			
	Support for x.509 and Digital Certificates.			
Integrated Operating Environments				
Integrated operating systems and environments	Manage your Windows server on an Integrated xSeries® Server.			
	Support for Integrated xSeries Servers.			
	Integrated server management - start and stop integrated servers, status.			
	Manage users and disk storage for your integrated servers.			
	Manage integrated AIX® and Linux® servers.			
	Support for xSeries servers and BladeCenters with iSCSI technology.			
Security				
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 i5/OS users and groups.			
SSL Support	Use SSL to secure System i applications.			
































Table 1. iSeries Navigator functions (continued)

Function	Description	V5R2	V5R3	V5R4
Network Authentication Service	Easily create and manage Kerberos tickets to authenticate users			
	Create and manage keytab entries.			
Object Signing and Signature Verification				
Database Database Support	Administration of DB2 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.			
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.			

Table 1. iSeries Navigator functions (continued)

Function	Description	V5R2	V5R3	V5R4
	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.			
Health Center	Use SQL schemas to test table size limits.			
Index Advisor	Display index advised information from CQE and SQE.			
Integrated File System	Work with the integrated file system.			
	Cut, copy, paste, create, and Rename integrated file system files.			
	Drag, 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) AFP Manager	Manage AFP resources, font mapping tables, and Print Services Facility™ (PSF).			
Intelligent Routing	Specify any combination of stream file, spooled file, or e-mail for PDF output file.			
Backup				

Table 1. iSeries Navigator functions (continued)

Function	Description	V5R2	V5R3	V5R4
Backup	Schedule backups.			
Backup, Recovery, and Media Services (BRMS)	BRMS Licensed Program (iSeries Navigator plug-in).			
	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	Work with application development tools.			
Plug-in Support	Create plug-ins using Java.			
Java	Create plug-ins using C++.			
C++	Create plug-ins using Visual Basic.			
Visual Basic				

Requirements for installing iSeries Navigator

Your PC hardware and software must meet certain requirements before you can install iSeries Navigator.

To install and use iSeries Navigator, your PC must be running one of the following Windows operating systems:

Windows N 4.0
Windows 2000
Windows XP
Windows Server 2003 (32-bit PC)
Windows Server 2003 (64-bit 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 i5/OS host servers option (Option 12 when you install the i5/OS operating system).

Related tasks

“Installing iSeries Navigator”

Because all iSeries Navigator components are packaged with iSeries Access for Windows, you install iSeries Navigator during the iSeries Access for Windows installation.

Related information

Prerequisites to set up the PC for iSeries Access for Windows

Installing iSeries Navigator

Because all iSeries Navigator components are packaged with iSeries Access for Windows, you install iSeries Navigator during the iSeries Access for Windows installation.

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 i5/OS host servers option (Option 12 when you install the i5/OS operating system).

Installing iSeries Navigator for the first time

If you are installing iSeries Navigator for the first time, be sure to make the following selections when installing iSeries Access for Windows on your PC:

1. Select the **Custom** installation option during the iSeries Access for Windows installation.
2. In the **Component Selection** window, 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 iSeries Navigator subcomponents.
4. Deselect any subcomponents that you do not want installed.

Upgrading iSeries Navigator

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**.

Installing iSeries Navigator after iSeries Access for Windows has been installed

If you do not have iSeries Navigator installed during the iSeries Access for Windows installation, you can install the iSeries Navigator component later by using iSeries Access for Windows Selective Setup.

Installation tips:

- If you select the **Typical** installation option, only the following iSeries Navigator components are 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.

Related concepts

“Requirements for installing iSeries Navigator” on page 16

Your PC hardware and software must meet certain requirements before you can install iSeries Navigator.

“Working with iSeries Navigator”

With iSeries Navigator, you can perform many system administration tasks.

Related tasks

“Adding system connections to iSeries Navigator”

After you have installed iSeries Navigator, you need to add connections to iSeries Navigator.

Related information

iSeries Access for Windows

Setting up the PC

Adding system connections to iSeries Navigator

After you have installed iSeries Navigator, you need to add connections to iSeries Navigator.

To add connections to iSeries Navigator, follow these steps:

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 system connection, click **File** → **Connection to Servers** → **Add Connection** in the iSeries Navigator main window.

After you have iSeries Navigator running, refer to the iSeries Navigator online help for instructions to perform tasks.

Related tasks

“Installing iSeries Navigator” on page 17

Because all iSeries Navigator components are packaged with iSeries Access for Windows, you install iSeries Navigator during the iSeries Access for Windows installation.

Working with iSeries Navigator

With iSeries Navigator, you can perform many system administration tasks.

After you have installed iSeries Navigator, use the online help for step-by-step instructions for all the individual tasks that you can do in iSeries Navigator. In the main iSeries Navigator window, click **Help** → **Help Topics**, and then use “What can I do with ...?” as a search string to find the tasks you can perform in iSeries Navigator.

iSeries Navigator concepts

Connect your network

Use the Network component of iSeries Navigator to configure and manage network communications on your system. Use wizards to configure the interfaces, routes, and systems 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 can select IP policies to control and secure your network traffic using quality of service (QoS) or virtual private network (VPN), or choose Remote Access Services to create point-to-point connections.

iSeries Navigator concepts

Limit application availability

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

Manage logical partitions

Use iSeries Navigator to access your logical partition information, change logical partition configuration, manage security, and change processing resources without restarting a system. On a System i platform, you can use iSeries Navigator, dedicated service tools (DST), and system service tools (SST) to manage your logical partitions. If you are working with logical partitions on IBM systems and hardware, or models such as 5xx, see Partitioning the system for more information.

Manage multiple systems

With Management Central, you can manage tasks across one or more systems 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 more.

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.

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 system starts, without user input. These jobs perform a variety of tasks, such as starting the operating system, starting and ending subsystems, and scheduling jobs.

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 can help build a strong defense against the security risks you might 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, Secure Sockets Layer (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.

Related tasks

“Installing iSeries Navigator” on page 17

Because all iSeries Navigator components are packaged with iSeries Access for Windows, you install iSeries Navigator during the iSeries Access for Windows installation.

Related information

Management Central

Managing logical partitions by using iSeries Navigator, DST, and SST

 Partitioning the system

Disk management

Tape

Network security

Getting started with iSeries Navigator Database

Quality of service

Virtual Private Networking (VPN)

Remote Access Services: PPP connections

Networking

System jobs







Managing jobs

Application Administration

Related information for iSeries Navigator

Listed here are the IBM Redbooks™ (in PDF format), Web sites, and information center topics that relate to the iSeries Navigator topic collection. You can view or print any of the PDFs.

IBM 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
- iSeries Navigator tasks on the Web
- Application Administration
- Management Central
- Performance
- Maintaining and managing i5/OS and related software
- Developing iSeries Navigator plug-ins


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- | copy from the Adobe Web site (www.adobe.com/products/acrobat/readstep.html)  .

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