



System i

Connecting to System i

Getting to know System i Navigator

Version 6 Release 1





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Note

Before using this information and the product it supports, read the information in “Notices,” on page 19.

This edition applies to version 6, release 1, modification 0 of IBM i5/OS (product number 5761-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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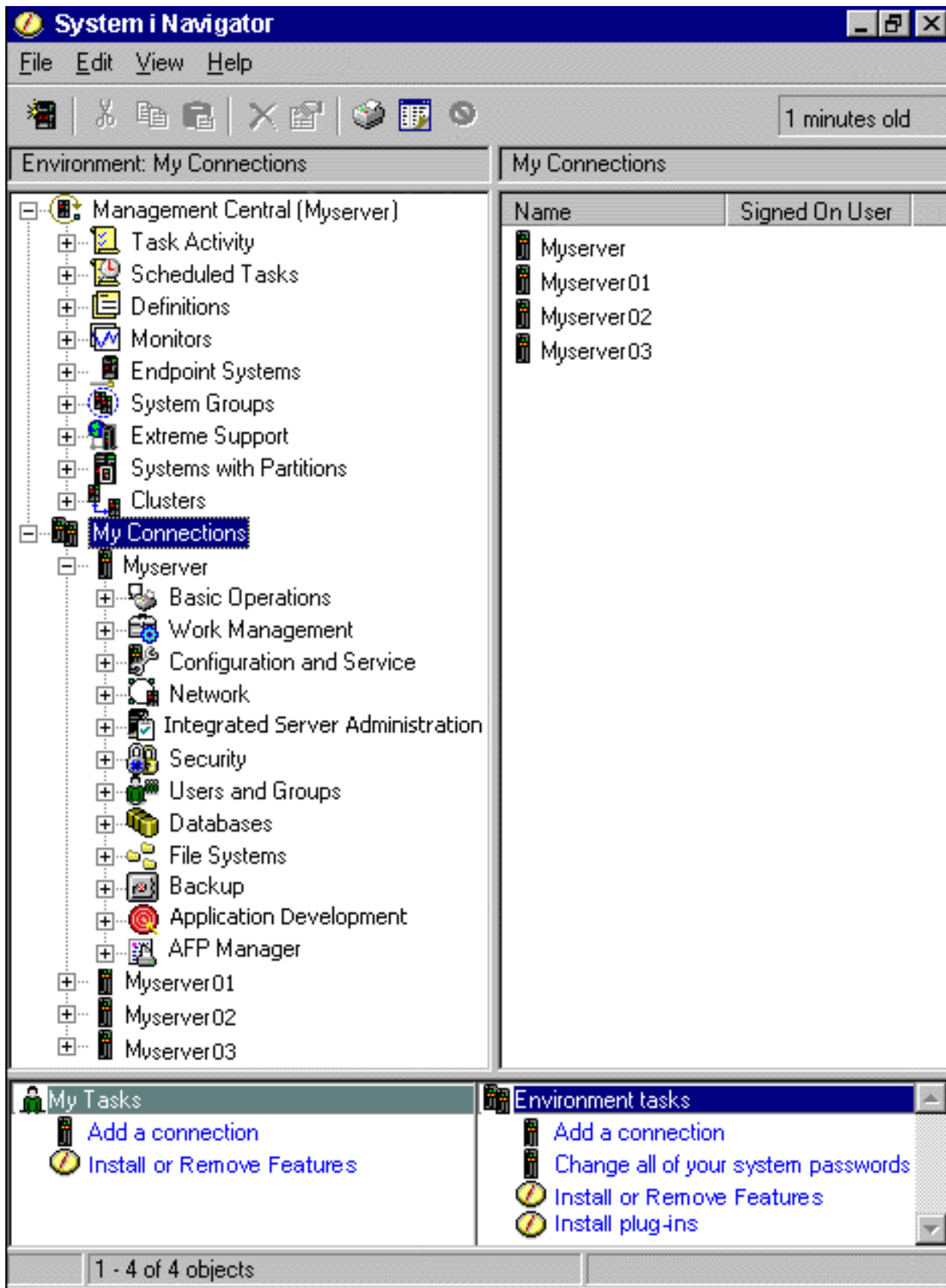
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Getting to know System i Navigator

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

Here is an example of the System i Navigator main window.



From this example, you can see the System i 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. System i Navigator functionality includes system navigation, configuration, systems management, and monitoring capabilities. For step-by-step instructions on how to perform tasks in System i Navigator, see the System i Navigator online help.

What's new for V6R1

Read about new or enhanced System i Navigator functions in this release.



To see a summary of new or enhanced System i Navigator functions in V6R1, go to the IBM® System i Navigator: What's New Web page .

See also the following topics:

- System i Navigator for Wireless: What's new for V6R1
- System i Navigator tasks on the Web: What's new for V6R1
- Application Administration: What's new for V6R1

How to see what's new or changed

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

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

In PDF files, you might see revision bars (|) in the left margin of new and changed information.

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

PDF file for Getting to know System i Navigator

You can view and print a PDF file of this information.


To view or download the PDF version of this document, select Getting to know System i Navigator (about 422 KB).

Saving PDF files

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

1. Right-click the PDF link in your browser.
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**.

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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) .

Related reference

“Related information for System i Navigator” on page 18

IBM Redbooks™ publications, Web sites, and other information center topic collections contain information that relates to System i Navigator. You can view or print any of the PDF files.

System i Navigator functions by release

The System i 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. System i Navigator functions

Function	Description	V5R3	V5R4	V6R1
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.	✓+	✓+	✓
	Message Monitors - Monitor messages on one or more systems.	✓+	✓+	✓
	B2B Activity Monitors - Monitor your B2B transactions.	✓+	✓+	✓
	File Monitors - Monitor files for any changes or for specific text strings.	✓+	✓+	✓
	Graph History - Provide 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.	✓+	✓+	✓

Table 1. System i Navigator functions (continued)

















































Function	Description	V5R3	V5R4	V6R1
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.			
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.			
System i Navigator for Wireless				
System i Navigator for Wireless	Remotely monitor system performance and status.			
System i Navigator Tasks on the Web				
System i Navigator Tasks on the Web	Select System i Navigator tasks directly accessible from a Web browser.			
Basic Operations	Manage i5/OS messages, printer output, printers, and jobs.			
	Messages			
	Printers			
	Printer output			
	Jobs			

Table 1. System i Navigator functions (continued)










































Function	Description	V5R3	V5R4	V6R1
Command Prompter	Prompt for CL commands from the Web.			
Work Management	Manage daily system operations and workload.			
	Active jobs			
	Server jobs			
	Job queues			
	Subsystems			
	Output queues			
	Memory pools			
	System status			
Database	Administer DB2® for i5/OS from the Web.			
	Tables, objects, views, journals, and indexes			
	Constraints			
	Sequences			
	SQL procedures and packages			
	Schemas			
	Database performance monitors			
	Import and export data			
Hardware	Manage your System i hardware from the Web.			
	Configuration and service			

Table 1. System i Navigator functions (continued)


Function	Description	V5R3	V5R4	V6R1
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 System i 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.			
	Cut, copy, paste, and drag printer output.			
AFP™ Workbench Viewer	Display 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 System i Navigator.			
Work Management				

Table 1. System i Navigator functions (continued)




















































Function	Description	V5R3	V5R4	V6R1
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.			
	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.			

Table 1. System i Navigator functions (continued)

















































Function	Description	V5R3	V5R4	V6R1
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.			
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.			

Table 1. System i Navigator functions (continued)












































Function	Description	V5R3	V5R4	V6R1
Tape Devices	Support for stand-alone tape devices and tape libraries.			
	Tape image catalogs.			
	Virtual tape devices.			
Network 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), i5/OS Support for Windows Network Neighborhood (i5/OS NetServer™), Network File System (NFS), data communication equipment (DCE), and 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. System i Navigator functions (continued)









































Function	Description	V5R3	V5R4	V6R1
	Test EIM mappings.			
	Support for x.509 and Digital Certificates.			
Integrated Server Administration Integrated operating systems and environments	Manage integrated Windows servers.			
	Support for integrated servers that use Integrated xSeries® Server (IXS), Integrated xSeries Adapter (IXA), and internet SCSI host bus adapter (iSCSI HBA) hardware.			
	Start and stop integrated servers, view server status.			
	Manage users and disk storage for your integrated servers.			
	Manage integrated AIX® and Linux® servers.			
Security Security	Object authority and security system values.			
Cryptographic Services Key Management	Manage cryptographic master keys and key stores.			
Intrusion Detection	Configure, manage, and monitor intrusion detection on the system.			
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.			
Secure Sockets Layer (SSL) Support	Use SSL to secure System i applications.			

Table 1. System i Navigator functions (continued)










































Function	Description	V5R3	V5R4	V6R1
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 for i5/OS.			
Multiple Databases	Multiple databases now supported using independent disk pools.			
Manage DB2 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.			
	Collect and view SQL performance data using SQL Plan Cache.			
	Collect and view SQL performance data using SQL Plan Cache Event Monitors.			
	Save SQL performance data to a spreadsheet.			
	Save SQL scripts to a host physical file, or open SQL scripts from a host physical file.			

Table 1. System i Navigator functions (continued)




















































































Function	Description	V5R3	V5R4	V6R1
	View the SQL statements used to perform database actions using Show SQL.			
	Library support enhanced to support SQL object schema.			
	Visual Explain			
	Refresh visual description of queries that are actively running.			
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.			
	View environmental limits and database object activity counts.			
Index Advisor	Display index advised information from CQE and SQE.			
Integrated File System	Work with the integrated file system.			
Integrated File System	Cut, copy, paste, create, and rename integrated file system files.			
	Drag, cut, copy, and paste QSYS objects.			
Dynamic Mount Information	Display the properties of the system's mounted file systems like User-Defined File Systems (UDFS) and Network File Systems (NFS).			
File Shares	List and work with NetServer File Shares.			
Folder Attributes Information	Collect the attributes of the folder and its contents, and allow users to work with the collected data and to display customized reports.			
Additional Attributes	Display object attributes.			
Virus Scanning	Provide support for scanning files using third-party virus scanning software.			

Table 1. System i Navigator functions (continued)

Function	Description	V5R3	V5R4	V6R1
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 Backup	Schedule backups.			
Backup, Recovery, and Media Services (BRMS)				
Backup, Recovery, and Media Services (BRMS)	BRMS licensed program (System i 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 Application Development	Work with application development tools.			
Plug-in Support Java	Create plug-ins using Java.			
C++	Create plug-ins using C++.			
Visual Basic	Create plug-ins using Visual Basic.			

Requirements for installing System i Navigator

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

- | You need to have System i Access for Windows installed on the system from which you install System i Navigator. For information about requirements to install System i Access for Windows, see Prerequisites to set up the PC for System i Access for Windows.

However, System i Access for Windows is not required on the systems that you connect to with System i 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).

- | **Note:** System i Navigator does not support the Itanium® processor.

Related tasks

“Installing System i Navigator”

All System i Navigator features are packaged with System i Access for Windows. Assuming that your PC meets the hardware and software requirements, you need to install the System i Navigator features when you install System i Access for Windows.

Installing System i Navigator

All System i Navigator features are packaged with System i Access for Windows. Assuming that your PC meets the hardware and software requirements, you need to install the System i Navigator features when you install System i Access for Windows.

Prerequisites

You need to have System i Access for Windows installed on the system from which you install System i Navigator. However, System i Access for Windows is not required on the systems that you connect to with System i 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).

To install System i Navigator on your PC, follow the instructions to install System i Access for Windows on your PC. To install all of the System i Navigator and System i Access for Windows features, select the **Complete installation** option.

If you do not use the **Complete installation** option, follow these steps to install System i Navigator features:

1. During the installation of System i Access for Windows, select the **Custom** installation option.
2. In the **Custom Setup** window, expand the System i Navigator feature to see all of the subfeatures. When you install System i Access for Windows for the first time, only some of the System i Navigator subfeatures are preselected. The icon next to each feature shows the installation state of the feature.
3. Click the icon next to System i Navigator and change the installation state to install all subfeatures.
4. To deselect the subfeatures that you do not want installed, click the icon next to these subfeatures and change the installation state to not be available.

If you have a previous release of System i Navigator installed on your PC, the default action on an upgrade to this release is to install the same System i Navigator features that are currently installed. To add or remove features, choose **Custom installation** and follow the steps above to select the features you want to install.

Related concepts

“Requirements for installing System i Navigator” on page 14

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

“Working with System i Navigator” on page 16

With System i Navigator, you can perform many system administration tasks.

Related tasks

“Adding system connections to System i Navigator”

After you have installed System i Navigator, you need to add connections to System i Navigator.

Related information

System i Access for Windows

System i Access for Windows: Installation and setup

Setting up the PC

Adding system connections to System i Navigator

After you have installed System i Navigator, you need to add connections to System i Navigator.

To add connections to System i Navigator, follow these steps:

1. Double-click the **System i 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 System i Navigator main window.

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

Related tasks

“Installing System i Navigator” on page 15

All System i Navigator features are packaged with System i Access for Windows. Assuming that your PC meets the hardware and software requirements, you need to install the System i Navigator features when you install System i Access for Windows.

Working with System i Navigator

With System i Navigator, you can perform many system administration tasks.

After you have installed System i Navigator, use the online help for step-by-step instructions for all the individual tasks that you can do in System i Navigator. In the main System i 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 System i Navigator.

System i Navigator concepts

Connect your network

Use the Network component of System i 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.

Limit application availability

With Application Administration, administrators can limit or grant access to functions, including several System i 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 System i Access for Windows clients and centrally control environment, password, connection, service, and language settings.

System i Navigator concepts

Manage logical partitions

Use System i 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 System i 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 System i Navigator to configure, protect, and manage all of your disk units and disk pools, as well as work with mirroring and parity protection. You can view all stand-alone devices as well as all the tape resources and cartridges within your tape libraries. Using System i 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. System i Navigator has several integrated features that can help build a strong defense against the security risks you might encounter along the way. Use System i 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 System i 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 System i Navigator Database* for more details.

Related tasks

“Installing System i Navigator” on page 15

All System i Navigator features are packaged with System i Access for Windows. Assuming that your PC meets the hardware and software requirements, you need to install the System i Navigator features when you install System i Access for Windows.

Related information

Management Central

Managing logical partitions by using System i Navigator, DST, and SST



Partitioning the system

Disk management

Tape







Network security

Getting started with System i Navigator Database
Quality of service
Virtual Private Networking (VPN)
Remote Access Services: PPP connections
Networking
System jobs
Managing jobs
Application Administration


Related information for System i Navigator

IBM Redbooks publications, Web sites, and other information center topic collections contain information that relates to System i Navigator. You can view or print any of the PDF files.

IBM Redbooks

- Managing OS/400® with Operations Navigator V5R1 Volume 1: Overview and More  (10.5 MB)
- Managing OS/400 with Operations Navigator V5R1 Volume 2: Security  (3.9 MB)
- Managing OS/400 with Operations Navigator V5R1 Volume 3: Configuration and Service  (3.2 MB)
- Managing OS/400 with Operations Navigator V5R1 Volume 4: Packages and Products  (1.8 MB)
- Managing OS/400 with Operations Navigator V5R1 Volume 5: Performance Management  (5.7 MB)
- Managing OS/400 with Operations Navigator V5R1 Volume 6: Networking  (3.6 MB)

Web sites

- System i Navigator home page 
The System i Navigator home page includes functional release overviews, news about technical conferences, and other topics.

Other information

- System i Navigator for Wireless
- System i Navigator tasks on the Web
- Application Administration
- Management Central
- Performance
- Maintaining and managing i5/OS and related software
- Developing System i Navigator plug-ins

Related reference

“PDF file for Getting to know System i Navigator” on page 3
You can view and print a PDF file of this information.

Appendix. Notices

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