IBM

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iSeries

Management Central

Version 5 Release 3

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> **Note**
>
> Before using this information and the product it supports, be sure to read the information in
> "Notices," on page 11.

Contents

Management Central

Are you interested in making your system administration tasks simpler, easier, less time-consuming, and much less repetitive? Are you looking to lower your overall total cost of server ownership? iSeries$^{(TM)}$ Navigator provides the technology you need to do systems management tasks across one or more servers simultaneously.

Click Management Central in iSeries Navigator to find easy-to-use systems management functions that come to you as part of your base operating system. Management Central in iSeries Navigator allows you to manage one or more systems through a single central system. Simply select a server to use as your central system, then add endpoint systems to your Management Central network. You can create groups of similar or related endpoint systems to make managing and monitoring your systems even easier. Your central system will handle the communications for you. You can even take advantage of such options as scheduling and unattended operations. You'll find that Management Central is flexible and easily manipulated to suit your needs.

With iSeries Navigator for Wireless, administrators have even more flexibility in how they access and interact with Management Central. See the iSeries Navigator for Wireless overview for tips on which devices to use, how to install and configure the required elements, and a comprehensive overview of the functions.

To make the most of Management Central's flexibility and function, read about the overview of the functions, and see what's new:

> **"What's new in Management Central for V5R3"**
> Find out what's new for the current release!
>
> **"Print this topic" on page 2**
> Download and print a PDF of this topic and other related topics.
>
> **"Get started with Management Central" on page 3**
> Start using Management Central! To get the most out of Management Central, set up your central system and endpoint systems in a way that makes sense for your business environment.
>
> **"Working with Management Central" on page 6**
> Find out about all the ways Management Central can help you streamline your server administration tasks, such as managing fixes, monitoring performance, and administering users and groups on one or more servers in your network.

What's new in Management Central for V5R3

The Management Central topic contains information specific to the systems management functions of iSeries$^{(TM)}$ Navigator — information you need to effectively manage multiple iSeries servers.

To find out what functions are available for each OS/400$^{(R)}$ release, see the Functions available by release topic.

Synchronize functions

You can now synchronize key functions, such as EIM and Kerberos, across a group of endpoint systems. You specify the model system and then use the new Synchronize Functions wizard to duplicate the model system's Kerberos or EIM configuration on the endpoint systems you specify.

Synchronize date and time

Management Central now uses the new time zone (QTIMZON) system value when synchronizing the date and time values on target systems with a model system. This means that it is no longer necessary to manually update the GMT offset (QUTCOFFSET) system value on the target systems when the source system changes to or from Daylight Saving Time (DST).

Use Kerberos authentication

You can now choose either profile and password authentication or Kerberos authentication to authenticate the Management Central server on the remote systems. When you select to use Kerberos authentication, Management Central will use Kerberos authentication to authenticate the Management Central server on any remote system that is running OS/400 V5R3 or later and has Kerberos configured. When connecting to other systems, Management Central will use profile and password authentication. If you select to use Kerberos authentication, you may also select to use Enterprise Identity Mapping (EIM) to associate users.

You can use Kerberos and EIM together to implement a single signon solution that will simplify the task of managing user profiles, while reducing the number of signons that a user must perform to access multiple applications and servers. See Scenario: Configure the Management Central server to learn how to configure an entire system group to participate in a single signon environment. After administrators complete the scenario for propagating a single signon configuration across multiple systems, they can do the necessary configuration so that the entire system group can participate in the single signon environment.

Of course, you must have SSL, Kerberos, and EIM all properly configured on a system before they can be turned on for Management Central or any other application to use.

Automatically reset thresholds for monitors

Now you can select to have thresholds for file monitors and message monitors automatically reset when your trigger command is run. When you define a threshold and specify a command to be run when the threshold is triggered, you just select **Automatically reset after trigger command has run**.

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.

Print this topic

To view or download the PDF version of this document, select **Management Central** (about 250 KB)

These topics tell you how to set up your network of endpoint systems and system groups as well as perform a variety of tasks. They also include information about all the ways iSeries(TM) Navigator can help you streamline your server administration tasks, such as:
- Manage users and groups
- Collect inventory and performance data
- Manage system values
- ≫Synchronize functions≪
- Package and send objects

- Run commands
- Schedule your tasks or jobs

You can view or download these related topics:
- Performance (about 1100 KB) contains the following topics:
  - Collection Services
  - System monitors, job monitors, message monitors, B2B monitors, file monitors
- Software and licensed programs (about 350 KB) contains the following topics:
  - Fixes
  - Product packaging
  - Licensing

Other information

You can also view or print any of the "Related information for Management Central" on page 8.

Saving PDF files

To save a PDF on your workstation for viewing or printing:
1. Right-click the PDF in your browser (right-click any of the PDF links 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) . ≪

Get started with Management Central

Start clicking Management Central in iSeries^(TM) Navigator to manage all your systems! Follow a few simple steps to set up your systems for Management Central:

1. **"Install and access Management Central" on page 4**
   Some of the systems management functions that you will want to use are optionally installable components of iSeries Navigator. Be sure you choose to install them when you install iSeries Navigator. Find and open Management Central in your iSeries Navigator window.
2. **"Set up your central system" on page 4**
   You choose your central system when you first start iSeries Navigator. You can also change your central system easily at any time.
3. **"Add endpoint systems to your Management Central network" on page 5**
   Endpoint systems are the systems in your network that you manage with your single central system. Find out how to add the endpoint systems that you want to manage.
4. **"Create system groups in your Management Central network" on page 6**
   Make the most of iSeries Navigator's ability to manage groups of systems. If you are working with multiple systems or multiple logical partitions, creating a system group allows you to perform tasks on all the systems without selecting each endpoint system. Just select the system group you created and start your task!

When you have finished these preliminary steps, you're ready to start "Working with Management Central" on page 6.

Install and access Management Central

Some systems management functions are optionally installable components of iSeries^(TM) Navigator, the graphical user interface (GUI) for iSeries servers. When you install iSeries Access for Windows^(R), be sure to select iSeries Navigator in the Component Selection window. When you select iSeries Navigator, iSeries Navigator Base Support is automatically selected. iSeries Navigator Base Support includes some of the systems management functions. To get all of the systems management functions, be sure you also select Configuration and Service, Users and Groups, Commands, Packages and Products, and Monitors.

If you did not install all the components you need when you installed iSeries Navigator, do the following:

1. From the menu bar in iSeries Navigator, select **File** -> **Install Options** -> **Selective Setup**.
2. Use the Selective Setup wizard to install the additional components that you need for systems management functions. To get all the systems management functions, select Configuration and Service, Users and Groups, Commands, Packages and Products, and Monitors.

   When you use the Selective Setup wizard, the components you select will be installed. Any components you deselect during the selective setup will be uninstalled. Be careful not to accidentally uninstall anything while you use the Selective Setup wizard.

When iSeries Navigator has been installed, just double-click the desktop icon to start iSeries Navigator. Now you're ready to "Set up your central system."

Set up your central system

iSeries^(TM) Navigator allows you to manage multiple servers from a single system in a TCP/IP network environment. Some aspects of your TCP/IP environment may require changes to your Management Central server configuration. For example, if you are using a firewall or if you want to use SSL encryption for Management Central server communications, you may need to change some of your Management Central server settings. » For more information about using firewalls, see Configuring Management Central Connections for Firewall Environments. For more information about using SSL encryption, see SSL scenarios. «

To manage multiple servers from a single system, you need to have a central system. The servers in your network are called **endpoint systems**. You select one of these endpoint systems as your central system. Once you "Add endpoint systems to your Management Central network" on page 5 to your network and select your central system, you only need to do your system administration tasks once. Your central system will initiate your tasks and store the necessary systems management data.

Setting up your central system for the first time

To start using iSeries Navigator, double-click the desktop icon and select an iSeries server to connect to. The first server you connect to is assigned as your central system. Management Central appears automatically at the top of the list in the left pane of your iSeries Navigator window. The Management Central server is automatically started on the central system. All you need to do is expand **Management Central** to access the iSeries Navigator systems management functions.

If your central system is running OS/400^(R) V5R2 or later » (or even V5R1 with PTR SI06917), « you can simply right-click **Management Central** and select **Verify Connection** to verify that the central system connection is configured properly. To see detailed information about any Failed message, you can select the message and click **Details** (or just double-click the message).

Changing your central system

You can select a different system as your central system at any time. The central system must be a system that you are directly connected to. For the latest iSeries Navigator functions, your central system should be running OS/400 Version 5, Release 3 (V5R3).

If your PC is running V5R2 or V5R3 iSeries Navigator, and you want to select a central system that is running OS/400 V5R1, you must have the following fixes (also known as PTFs) installed on the V5R1 system: SI01375, SI01376, SI01377, SI01378, and SI01838. Without these fixes, you will not be able to connect to the V5R1 system as a central system.

To change your central system, do this:
1. Right-click Management Central and select **Change Central System**.
2. Use the **Change Central System** dialog to choose a system from your list of connected systems.
3. If the system you want to use as your central system is not currently connected to your iSeries Navigator network, right-click **My Connections** and select **Connection to Servers —> Add connection**. When the new system is connected, you may change your central system to the new system.

After you have "Add endpoint systems to your Management Central network" and "Create system groups in your Management Central network" on page 6, those endpoint systems and system groups will appear under Management Central as well. For more information about these and other Management Central tasks and topics, refer to the detailed task help that is available from the iSeries Navigator window. Just click **Help** from the menu bar and select **Help Topics**. Select **What can I do with . . .?** to find out what you can do and where you need to be in the iSeries Navigator window to make it happen. Once you have set up your central system, you are ready to do the other tasks necessary for "Get started with Management Central" on page 3.

Add endpoint systems to your Management Central network

An endpoint system is any system or logical partition in your TCP/IP network that you choose to manage through your "Set up your central system" on page 4.

≫ Adding endpoint systems is basically different from adding connections. When you add a connection to a system from iSeries(TM) Navigator (by clicking File -> Connection to Servers -> Add connection), the system is added to the list under your current active environment (usually named My Connections). On the other hand, when you add a new endpoint system, the system name is added to the list of Endpoint Systems under Management Central. When you perform an action on a system under My Connections, a direct connection from the client (your PC) to the system is required, and actions are performed on one system at a time. In contrast, Management Central allows systems management tasks to be performed on multiple systems (in the Endpoint Systems list) and only one client connection (to the central system) is required. The central system handles the connections to the endpoint systems. ≪

If you are adding endpoint systems that are running OS/400(R) V5R1, you must have the following fixes (also known as PTFs) installed on the V5R1 system: SI01375, SI01376, SI01377, SI01378, and SI01838. Without these fixes, you will not be able to use all the systems management functions on the endpoint system.

To manually add one or more endpoint systems, do the following:
1. Right-click **Endpoint Systems** and select **New Endpoint System**.
2. Enter the name of the system and click **OK**.

That is all there is to it. The endpoint systems that you added appear automatically under **Endpoint Systems** in your iSeries(TM) Navigator window. Once you have added an endpoint system, you can view its properties, and you can change the description ≫ or the IP address ≪ as needed.

Next, you can "Create system groups in your Management Central network" to help you manage different sets of endpoint systems. The new system groups will appear inder Management Central in iSeries Navigator. For more information about these and other systems management tasks and topics, refer to the detailed task help that is available from the iSeries Navigator window. Just click **Help** from the menu bar and select **Help Topics**. Select **What can I do with . . .?** to find out what you can do and where you need to be in the iSeries Navigator window to make it happen.

Create system groups in your Management Central network

A system group is a collection of endpoint systems that you define. Remember, an endpoint system is any system or logical partition in your TCP/IP network that you choose to manage through your central system.

Endpoint systems can belong to several system groups at the same time. Once you have created a system group, you can manage the entire group from your central system as if it were a single system.

To create a system group, follow these quick steps:

1. Open **Management Central** from your **iSeries**(TM) **Navigator** window.
2. Right-click **System Groups** and select **New System Group**.
3. On the **New System Group** dialog, specify a unique name for the new system group. You can also enter a brief description that will help you later identify this group in a list of system groups.
4. From the **Available systems** list, select the endpoint systems that you want to include in this new group. Click the **Add** button to add the systems to the **Selected systems** list.
5. If you want to give other users the ability to view or change this system group, use sharing. Click the **Sharing** tab and specify **Read-only** or **Full** sharing. If you specify **None**, other users will not be able to view or change this system group ≫ unless they have special authority, which is administered under Host Applications in Application Administration. Users with this special authority, called Management Central Administration Access, can view all tasks, definitions, job monitors, message monitors, and system groups under Management Central in the iSeries Navigator window.≪
6. Click **OK** to create the new system group.

The system group you create will include all the endpoint systems you entered. You may decide later that you want to edit that list of endpoint systems. You can always add more endpoint systems or remove endpoint systems from your system group. You can even delete system groups from Management Central. When you delete a system group or remove endpoint systems from a system group, only the system group is changed. The endpoint systems that were in the system group are still listed under **Endpoint Systems** in the iSeries Navigator window. ≫ Of course, if you delete an endpoint system from the **Endpoint Systems** list, that endpoint system is removed from all system groups. ≪

For more information about these and other systems management tasks and topics, refer to the detailed task help that is available from the iSeries Navigator window. Just click **Help** from the menu bar and select **Help Topics**. Select **What can I do with . . .?** to find out what you can do and where you need to be in the iSeries Navigator window to make it happen.

Working with Management Central

Click Management Central in the iSeries(TM) Navigator window to streamline your system administration tasks. To make the most of Management Central, first set up your systems for Management Central. Then you can efficiently complete the tasks required to manage your systems. To learn about setting up your systems for Management Central, see the "Get started with Management Central" on page 3 topic. To learn how iSeries Navigator can help you manage your system administration tasks easily and efficiently, keep reading.

≫ You can use EIM and Kerberos authentication together to eliminate the need to provide multiple user names and passwords for distributed applications. For more information on using EIM and Kerberos authentication together in this way (also known as "single signon"), see Single signon. ≪

You can use iSeries Navigator's powerful suite of systems management functions to handle all your system administration tasks.

Run commands	You can use iSeries Navigator to run commands on multiple systems. For commands that you want to run on a regular basis, simply create a command definition and schedule it to run on any endpoint systems in your network. For assistance anytime you are entering or selecting an OS/400(R) command, just click the **Prompt** button to see a complete list of the parameters and values for the command.
Manage users and groups	Keep track of the users, groups, and their privileges on multiple systems using iSeries Navigator's user administration function. You can also create, send, edit, and delete users across multiple systems.
Collect inventory	You can collect and manage various inventories on a regular basis and store the data on a designated central system. For example, you can collect the inventory for users and groups, fixes, system values, hardware resources, software resources, service attributes, contact information, or network attributes. You may have other applications installed that allow you to collect lists of other types of resources.
	You can search the hardware, software, fixes, and users and groups inventories based on criteria that you specify. You can export the results of the search or an entire inventory to a PC file to use with PC applications and to perform other queries.
Monitor system performance and resources	In iSeries Navigator, you can use monitors to track what your systems are doing. You can monitor jobs, messages, files, B2B activity, and system performance. Using the event log, you can also track events created by these monitors. You can view all your monitors, as well as all your systems management tasks, remotely with iSeries Navigator for Wireless.
Manage fixes	Keep your fixes (or program temporary fixes, PTFs) current across multiple systems. Use iSeries Navigator to efficiently manage fixes on one or more endpoint systems. You can send, install, and compare and update fixes. Use fix groups to manage multiple fixes as a single item. A fix group simply defines a list of fixes and related fix groups.
Collect performance data	Use Collection Services to collect system performance data that you can use for later analysis (for example, using Performance Tools for iSeries). See a graphical view of the metrics that you collected for an extended period of time with the Graph History window. You can use the Graph History function as long as you collect data with Collection Services; you do not need to have a system monitor running.

Maintain consistency across multiple systems	iSeries Navigator lets you view, compare, and update system values—everything required to efficiently manage system values across multiple systems in your network.
	» Choose a model system that has the most accurate date and time values, and then synchronize the date and time values on selected endpoint systems or system groups with the values on the model system. You can choose to synchronize the time without changing the time zone, or synchronize both the time and the time zone with those on the model system. «
	» Save time by synchronizing key functions from a model system across multiple systems in your network instead of individually configuring each function on each target system. «
Manage software products	You can use iSeries Navigator to package and send software products to the systems in your network. You simply create a product definition to identify your application as a product to the iSeries server. The product definition contains all the information that you need to send and install a product across multiple systems, just like you would install an IBM(R) licensed program. You can also generate fixes for these user-defined software products.
	You can also send any software product from the software inventory.
Package and send objects	You can package and send objects to systems in your network using iSeries Navigator. You can create snapshots of your data to preserve more than one version of the data.
Schedule unattended tasks or jobs	Use iSeries Navigator's integrated scheduler to automate recurring tasks. You can choose to run a task immediately, or you can use the scheduler to select a later time. You can schedule a task to run just once, or you can schedule it to run daily, weekly, or monthly at a convenient time. You can also use the Advanced Job Scheduler, a separate licensed program that provides more calendar features and offers greater control over scheduled events.

Finally, iSeries Navigator makes system administration even easier by allowing you to share certain resources with other users. Do not forget to use the online help available to you in iSeries Navigator. The online help offers tips and techniques for making the most of the iSeries Navigator systems management functions, including "What's This?" help, how-to information, and extended examples.

Related information for Management Central

Listed below are the IBM(R) Redbooks(TM), Web sites, and Information Center topics that relate to the Management Central topic. In addition to these resources, you can find more information about Management Central tasks and topics in the detailed task help in iSeries(TM) Navigator. Just click **Help** from the menu bar and select **Help Topics**. Select **What can I do with . . .?** to find out what you can do and where you need to be in the iSeries Navigator window to make it happen.

Redbooks

You can view the following Redbooks published by the IBM International Technical Support Organization (ITSO) to find out more information about Management Central:

• » 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

There are a variety of Web sites you can use to find more information about Management Central. These include:

- iSeries Navigator

  iSeries Navigator provides a wide variety of tools to simplify iSeries management. Go to the iSeries Navigator home page to find information about iSeries Navigator, including functional release overviews, news about technical conferences, and other hot topics. You'll find links to a variety of information including release updates, functional overviews, FAQs, and more. For information about installing and getting started with iSeries Navigator, be sure to see the iSeries Navigator topic in the Information Center.

- iSeries Navigator for Wireless

  Access systems management functions on the go! The iSeries Navigator for Wireless Web page gives you more information about this exciting solution for pervasive computing. See the Web page for information on the V4R5 and V5R1 releases. For V5R2 and later information, see the iSeries Navigator for Wireless topic in the Information Center.

Other information

You will find links from various places in the Management Central topic to other Information Center topics that relate to Management Central. The following Information Center topics are especially significant for V5R3:

- Single signon
  If you have been looking for a way to simplify the task of managing user profiles on the iSeries server, single signon may be the answer for you. This information presents a single signon solution for the iSeries server, which uses the technology of Enterprise Identity Mapping (EIM), paired with the iSeries network authentication service. The single signon solution simplifies the task of managing user profiles, while reducing the number of signons that a user must perform to access multiple applications and servers.

  This topic includes a scenario that demonstrates how to configure an entire system group to participate in a single signon environment. After administrators complete the scenario for propagating a single signon configuration across multiple systems, they can do the necessary configuration so that the entire system group can participate in the single signon environment.

- Configuring Management Central Connections for Firewall Environments
  This report details Management Central connections and the configurations required to enable Management Central to operate within a variety of firewall environments. As a distributed management application, Management Central requires numerous incoming and outgoing TCP/IP socket connections. In contrast, the basic premise of a firewall is to restrict/modify incoming and outgoing connections.

Appendix. Notices

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