



IBM Systems
ServeRAID Manager
Release Notes

Version 5.10

October 2005





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Chapter 1. About this release

This document contains the release notes for ServeRAID™ Manager that operates with IBM® Director Version 5.10.

See the IBM Director Web site for possible updates to these release notes and copies of the documents at:

www.ibm.com/servers/eserver/xseries/systems_management/ibm_director/

New in this release

This section describes new support for ServeRAID Manager with IBM Director Version 5.10.

ServeRAID hardware and software

IBM Director 5.10 improves support for IBM ServeRAID controllers:

- Configuration Management Station on Linux®
- Support for VMware ESX Server, versions 2.1, 2.5, and 2.51, Console
- Support for VMware ESX Server, versions 2.1, 2.5, and 2.51, guest operating systems
- Support for Red Hat Enterprise Linux AS, ES, and WS, version 4.0
- Support for ServeRAID Server and Console installations on EM64T and AMD64
- Hardware support for the IBM ServeRAID-8i controller
- Separate installation for the ServeRAID Manager extension

For complete support information, refer to the IBM ServerProven® page at: www.ibm.com/pc/us/compat/index.html

Chapter 2. Installation and upgrade information

This section provides information about installing and upgrading ServeRAID Manager for IBM Director Version 5.10. See the *ServeRAID Manager Installation and User's Guide* for more installation information. Access this document at the IBM Systems Software Information Center:
publib.boulder.ibm.com/infocenter/eserver/v1r2/topic/dirinfo/fqm0_main.html.

To manage DS400 and DS300 enclosures, see the following Web site to download and install the appropriate software, http://www-1.ibm.com/support/docview.wss?rs=0&q1=17002rd&uid=psg1MIGR-58619&loc=en_US&cs=utf-8&cc=us&lang=en.

Chapter 3. Known limitations, problems, and workarounds

This section provides information about known limitations, problems, and workarounds when using ServeRAID Manager for IBM Director Version 5.10.

Limitations

ServeRAID Manager for IBM Director 5.10 has the following limitations:

- **(Managed system with an IBM ServeRAID-6M or ServeRAID-4Mx controller installed) The level of ServeRAID Manager will not be synchronized with the ServeRAID BIOS, firmware and device driver.** If a managed system is running one of these operating systems, the level of ServeRAID Manager will not be synchronized with the levels of the ServeRAID BIOS, firmware, and device driver:
 - Red Hat Enterprise Linux AS, version 3.0, for Intel® Itanium
 - SUSE LINUX Enterprise Server 8 for Itanium Processor Family
 - Windows® Server 2003 (for Itanium systems)
- **Cannot display ServeRAID-7t controller in a Windows 2003 64-bit environment.** An attempt to display a ServeRAID-7t controller in a Windows 2003 64-bit environment will fail.
- **IBM Director 5.10 only supports ServeRAID Manager Standalone Edition versions 8.15 and later.** IBM Director 5.10 does not support versions of ServeRAID Manager Standalone Edition prior to version 8.15.
- **You might encounter screen reader errors in selectable lists.** If you use a screen reader to read the options in a selectable list, cancel the selectable list without making a selection, tab to another element in the window, and then return to the selectable list, the screen reader might repeat back the last item that was selected in the first reading, instead of the currently selected item. This is caused by a known problem in the Java™ Runtime Environment.
- **Keyboard navigations might not function correctly for links in help panels.** If you use keyboard functions to navigate to and activate a hyperlink on an IBM Director help panel, a small colored rectangle might appear on the newly loaded help panel. This does not affect navigation or hyperlink function, but might cause confusion. After you navigate to the next hyperlink, the rectangle will disappear. This is caused by a known problem in the Java Runtime Environment.
- **If you use a keyboard to navigate within IBM Director Console, table columns cannot be resized or reordered with a keyboard command.** When navigating IBM Director Console with a keyboard, you cannot resize or reorder columns. This is caused by a known problem in the Java Runtime Environment.
- **(Linux systems only) When you open a menu that is long enough to cause up and down scroll buttons to display, clicking more than once on a scroll button might close the menu.** This is caused by a known problem in the Java Runtime Environment. Workarounds include:
 - Click on the scroll button and hold it to show the rest of the menu items.
 - Using the keyboard, press the up and down arrow keys to navigate through the menu items.
- **(Systems running Red Hat Enterprise Linux with the Gnome desktop environment only) A new window does not automatically become the active window.** If you perform an action that causes a new window to display, the new window might not (by default) become the active window, even though it is the topmost window. This is caused by a known problem in the Java Runtime Environment. Workarounds include clicking on the new window to make it active,

or using the keyboard shortcut (Alt+Tab) to switch to the new window. This limitation does not apply to systems running the K Desktop Environment.

- **Windows MouseKeys feature does not perform as expected on the Help Index alphabet links.** When using the Windows MouseKeys accessibility feature in the Help Index, the first MouseKey "click" on one of the alphabet links at the top of the page will not initially scroll the page to the correct location in the Index. You must move the mouse pointer to that letter and click again, for the page to scroll to the correct location. (This problem does not occur when using the mouse.)
- **If you use the keyboard to navigate in a window that contains objects in a tree, the keyboard focus might not be immediately visible when you tab to the tree.** To see the keyboard focus when you tab to the tree, press the spacebar or downward arrow.
- **Objects in the Group Contents pane might not be read using a screen reader.** When using a screen reader with IBM Director Console, use the Tree view in the Group Contents pane. Otherwise, all objects in the pane might not be read.

Problems

ServeRAID Manager for IBM Director 5.10 has the following known problems:

- **Code fills the IBM Director Help window if you use a combination of keystrokes when navigating with the keyboard.** When using the keyboard to navigate to hyperlinks in IBM Director help text, the first hyperlink is invisible. When the first link is activated, it causes code to be displayed. Pressing the **Back** button returns you to the help text.

Workarounds

This section includes solutions to some problems you might encounter when using ServeRAID Manager for IBM Director 5.10.

Accessibility

Consider the following solutions to some accessibility problems you might encounter when using ServeRAID Manager for IBM Director 5.10.

Match KDE Keyboard Shortcut Actions to Java GUI Defaults

(Linux systems only) To use Java GUI keyboard shortcuts (such as Ctrl+Tab and Shift+Ctrl+Tab) on the KDE desktop, you must change the default keyboard shortcut settings for the desktop. For systems running KDE:

1. From the main menu, click **Control Center**.
2. In the Control Center window, click **Regional & Accessibility**, and then click **Keyboard Shortcuts**.
3. In the **Shortcut** fields, change the keyboard combinations for specified Actions, as desired.
4. Click **OK**.

Appendix A. Related information

This topic provides links to additional information related to IBM Director.

IBM Director resources on the World Wide Web

The following Web pages provide resources for understanding, using, and troubleshooting IBM Director and other systems-management tools.

IBM Director information center

publib.boulder.ibm.com/infocenter/eserver/v1r2/topic/dirinfo/fqm0_main.html

Updated periodically, the IBM Director information center contains the most up-to-date documentation available on a wide range of topics.

IBM Director Web site on ibm.com[®]

www.ibm.com/servers/eserver/xseries/systems_management/ibm_director/

The IBM Director Web site on ibm.com has links to downloads and documentation for all currently supported versions of IBM Director.

Information on this site includes:

- IBM Director 5.10 - downloads and documentation
- IBM Director 4.22 - downloads and documentation
- IBM Director 4.22 Upward Integration Modules (UIMs) - downloads and documentation
- IBM Director 4.21 - downloads and documentation
- IBM Director 4.20 - downloads and documentation
- IBM Director Hardware and Software Compatibility document - lists supported [@server](#) and IBM xSeries[®] systems, as well as all supported operating systems. It is updated every 6 to 8 weeks.
- Printable documentation for IBM Director - available in Portable Document Format (PDF) in several languages

IBM Systems Software information center

www.ibm.com/servers/library/infocenter/

This Web page provides information about IBM Virtualization Engine[™], IBM Director, and other topics.

IBM ServerProven page

www.ibm.com/pc/us/compat/index.html

This Web page provides information about IBM xSeries, BladeCenter[®], and IntelliStation[®] hardware compatibility with IBM Director.

IBM Systems Management Software: Download/Electronic Support page

www.ibm.com/servers/eserver/xseries/systems_management/ibm_director/

Use this Web page to download IBM systems-management software, including IBM Director. Check this Web page regularly for new IBM Director releases and updates.

IBM Servers

www.ibm.com/servers/

This Web page on ibm.com links to information, downloads, and IBM Director extensions such as Remote Deployment Manager, Capacity Manager, Systems Availability and Software Distribution (Premium Edition) for IBM servers:

- IBM BladeCenter
- IBM iSeries™
- IBM pSeries®
- IBM xSeries
- IBM zSeries®

IBM Redbooks™

www.ibm.com/redbooks/

You can download the following documents from the IBM Redbooks Web page. You also might want to search this Web page for documents that focus on specific IBM hardware; such documents often contain systems-management material.

Note: Be sure to note the date of publication and to determine the level of IBM Director software to which the Redbooks publication refers.

- *Creating a Report of the Tables in the IBM Director 4.1 Database* (TIPS0185)
- *IBM Director Security* (REDP-0417-00)
- *IBM eServer™ BladeCenter Systems Management with IBM Director V4.1 and Remote Deployment Manager V4.1* (REDP-3776-00)
- *Implementing Systems Management Solutions using IBM Director* (SG24-6188)
- *Integrating IBM Director with Enterprise Management Solutions* (SG24-5388)
- *Managing IBM TotalStorage® NAS with IBM Director* (SG24-6830)
- *Monitoring Redundant Uninterruptible Power Supplies Using IBM Director* (REDP-3827-00)

Remote Supervisor Adapter

Remote Supervisor Adapter overview

www.ibm.com/support/docview.wss?uid=psg1MIGR-4UKSML

This Web page includes links to the *Remote Supervisor Adapter User's Guide* and *Remote Supervisor Adapter Installation Guide*.

Remote Supervisor Adapter II overview

www.ibm.com/support/docview.wss?uid=psg1MIGR-50116

This Web page includes information about the Remote Supervisor Adapter II.

Other documents

For planning purposes, the following documents might be of interest:

- *Planning and installation guide - IBM eServer BladeCenter (Type 8677)*
- *IBM Management Processor Command-Line Utility User's Guide version 3.00*

Appendix B. Contacting customer support

If you need help, service, technical assistance, or just want more information about IBM products, you can find a wide variety of sources available from IBM to assist you. This section contains information about where to go for additional information about IBM and IBM products, what to do if you experience a problem with your system, and whom to call for service, if it is necessary.

Services available and telephone numbers listed are subject to change without notice.

Before you call for assistance

Some problems can be solved without outside assistance. You can use the online help by looking in the online or printed documentation that comes with IBM Director, or by consulting the IBM Support home Web site. Also, be sure to read the information in any release notes and README files that come with IBM Director.

You can solve many problems by following the troubleshooting procedures that IBM provides in the online help or in the publications that are provided with your system and software. The information that comes with your system also describes the diagnostic tests that you can perform. Most hardware systems, operating systems, and programs come with information that contains troubleshooting procedures and explanations of error messages and error codes. If you suspect a software problem, refer to the information for the operating system or program.

Getting help online

IBM maintains pages on the World Wide Web where you can get information about IBM products and services and find the latest technical information. Table 1 lists some of these pages.

Table 1. Support Web sites

www.ibm.com/	Main IBM home page
www.ibm.com/servers/	IBM eServer home page
www.ibm.com/pc/support/	IBM Support page
www.ibm.com/servers/eserver/xseries/systems_management/ibm_director/	IBM Director home page with links to user support and the technical forum
publib.boulder.ibm.com/infocenter/eserver/v1r2/topic/dirinfo/fqm0_main.html	IBM Director information center

Getting help by telephone

Through IBM Support Line, you can get telephone assistance, for a fee, with usage, configuration, and software problems with xSeries servers, IntelliStation workstations, and appliances. For information about which products are supported by Support Line in your country or region, go to www.ibm.com/services/sl/products/.

For more information about Support Line and other IBM services, go to www.ibm.com/services/, or go to www.ibm.com/planetwide/ for support telephone numbers. In the U.S. and Canada, call 1-800-IBM-SERV (1-800-426-7378).

Appendix C. Notices

This information was developed for products and services offered in the U.S.A. IBM may not offer the products, services, or features discussed in this document in other countries. Consult your local IBM representative for information on the products and services currently available in your area. Any reference to an IBM product, program, or service is not intended to state or imply that only that IBM product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any IBM intellectual property right may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any non-IBM product, program, or service.

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	Very Satisfied	Satisfied	Neutral	Dissatisfied	Very Dissatisfied
Overall satisfaction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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Easy to understand	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Well organized	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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