



IBM Systems  
IBM Director ServeRAID Manager  
Release Notes

*V8.25*

February 2006







IBM Systems

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## Chapter 1. About this release

This document contains the release notes for IBM® Director ServeRAID™ Manager V8.25.

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/](http://www.ibm.com/servers/eserver/xseries/systems_management/ibm_director/)

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### New in this release

#### **Additional hardware support**

IBM Director ServeRAID Manager V8.25 adds support for the following hardware:

- IBM xSeries 206m
- IBM xSeries 306m

#### **Support for IBM Director version 5.10 and higher**

IBM Director ServeRAID Manager V8.25 can be installed for IBM Director versions 5.10 or 5.10.1.





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## Chapter 2. Installation and upgrade information

This section provides information about installing and upgrading IBM Director ServeRAID Manager V8.25. 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](http://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](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).



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## Chapter 3. Known limitations, problems, and workarounds

This section provides information about known limitations, problems, and workarounds when using IBM Director ServeRAID Manager V8.25.

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### Limitations

IBM Director ServeRAID Manager V8.25 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<sup>®</sup> AS, version 3.0, for Intel<sup>®</sup> Itanium
  - SUSE LINUX Enterprise Server 8 for Itanium Processor Family
  - Windows<sup>®</sup> 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<sup>™</sup> 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.

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## Problems

IBM Director ServeRAID Manager V8.25 has the following known problem:

- **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.

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## Workarounds

Consider the following solution to an accessibility problem you might encounter when using IBM Director ServeRAID Manager V8.25.

(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**.

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## 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 system-management tools.

#### IBM Director information center

[publib.boulder.ibm.com/infocenter/eserver/v1r2/topic/dirinfo/fqm0\\_main.html](http://publib.boulder.ibm.com/infocenter/eserver/v1r2/topic/dirinfo/fqm0_main.html)

Updated periodically, the IBM Director information center contains the most recent documentation on a wide range of topics.

#### IBM Director Web site on [ibm.com](http://ibm.com)<sup>®</sup>

[www.ibm.com/servers/eserver/xseries/systems\\_management/ibm\\_director/](http://www.ibm.com/servers/eserver/xseries/systems_management/ibm_director/)

The IBM Director Web site on [ibm.com](http://ibm.com) has links to downloads and documentation for all currently supported versions of IBM Director. Information on this site includes:

- Downloads and documentation for the following IBM Director releases:
  - IBM Director 5.10 Update 1
  - IBM Director 5.10
  - IBM Director 4.22
  - IBM Director 4.22 Upward Integration Modules (UIMs)
  - IBM Director 4.21
  - IBM Director 4.20
- IBM Director Hardware and Software Compatibility document, which lists supported and IBM xSeries<sup>®</sup> 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/](http://www.ibm.com/servers/library/infocenter/)

This Web page provides information about IBM Virtualization Engine<sup>™</sup>, IBM Director, and other topics.

#### IBM ServerProven<sup>®</sup> page

[www.ibm.com/pc/us/compat/index.html](http://www.ibm.com/pc/us/compat/index.html)

This Web page provides information about IBM xSeries, BladeCenter<sup>®</sup>, and IntelliStation<sup>®</sup> hardware compatibility with IBM Director.

#### IBM Systems Management Software: Download/Electronic Support page

[www.ibm.com/servers/eserver/xseries/systems\\_management/ibm\\_director/](http://www.ibm.com/servers/eserver/xseries/systems_management/ibm_director/)

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

#### IBM Servers

[www.ibm.com/servers/](http://www.ibm.com/servers/)

This Web page on [ibm.com](http://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 the following IBM servers:

- IBM BladeCenter
- IBM iSeries™
- IBM pSeries®
- IBM xSeries
- IBM System z9 and zSeries®

### **IBM Virtualization Engine systems services fixes**

[techsupport.services.ibm.com/server/VirtualizationEngine](http://techsupport.services.ibm.com/server/VirtualizationEngine)

This Web page provides information about the required fixes for the Virtualization Engine system services. The fixes include operating system fixes that are required for each system service as well as application-level fixes that are required for each system service to function properly.

### **IBM forums**

[www.ibm.com/developerworks/forums/dw\\_esforums.jsp](http://www.ibm.com/developerworks/forums/dw_esforums.jsp)

This Web page on [ibm.com](http://ibm.com) links to several forums, available as Web pages or using rich site summary (RSS) feeds, in which users can discuss technology issues relating to IBM servers.

Two of these forums are of particular interest to IBM Director users:

#### **xSeries IBM Director forum**

[www.ibm.com/developerworks/forums/dw\\_forum.jsp?forum=759&cat=53](http://www.ibm.com/developerworks/forums/dw_forum.jsp?forum=759&cat=53)

A forum for discussing any IBM Director topics. This Web page includes link for obtaining the forum using an RSS feed.

#### **xSeries Server forum**

[www.ibm.com/developerworks/forums/dw\\_forum.jsp?forum=740&cat=53](http://www.ibm.com/developerworks/forums/dw_forum.jsp?forum=740&cat=53)

A forum for discussing xSeries server topics, including questions related to drivers, firmware, operating systems, clustering, and storage. The Web page includes a link for obtaining forum using an RSS feed.

### **IBM Redbooks™**

[www.ibm.com/redbooks/](http://www.ibm.com/redbooks/)

You can download the following documents from the IBM Redbooks Web page. You can also search this Web page for documents that focus on specific IBM hardware; such documents often contain system-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)
- *IBM eServer™ BladeCenter Systems Management with IBM Director V4.1 and Remote Deployment Manager V4.1* (REDP-3776)
- *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)*

## **Remote Supervisor Adapter**

### **Remote Supervisor Adapter overview**

[www.ibm.com/support/docview.wss?uid=psg1MIGR-4UKSML](http://www.ibm.com/support/docview.wss?uid=psg1MIGR-4UKSML)

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

### **Remote Supervisor Adapter II overview**

[www.ibm.com/support/docview.wss?uid=psg1MIGR-50116](http://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*





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## 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.

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### 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.

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### Getting help online

IBM maintains pages on the World Wide Web containing information about IBM products and services. These pages also provide the most recent technical information. Table 1 lists some of these pages.

*Table 1. Support Web sites*

<a href="http://www.ibm.com/">www.ibm.com/</a>	Main IBM home page
<a href="http://www.ibm.com/servers/">www.ibm.com/servers/</a>	IBM eServer home page
<a href="http://www.ibm.com/pc/support/">www.ibm.com/pc/support/</a>	IBM Support page
<a href="http://www.ibm.com/servers/eserver/xseries/systems_management/ibm_director/">www.ibm.com/servers/eserver/xseries/systems_management/ibm_director/</a>	IBM Director ServeRAID Manager home page with links to user support and the technical forum
<a href="http://publib.boulder.ibm.com/infocenter/eserver/v1r2/topic/dirinfo/fqm0_main.html">publib.boulder.ibm.com/infocenter/eserver/v1r2/topic/dirinfo/fqm0_main.html</a>	IBM Director ServeRAID Manager information center

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### Getting help by telephone

Through IBMSupport Line, you can obtain telephone assistance, for a fee, with usage, configuration, and software problems with xSeries servers, IntelliStation workstations, and appliances. For information about the products supported by Support Line in your country or region, go to [www.ibm.com/services/sl/products/](http://www.ibm.com/services/sl/products/).

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



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## Appendix C. Notices and Trademarks

This section provides legal notices and trademark information.

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Overall satisfaction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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Easy to find	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Thank you for your responses. May we contact you?  Yes  No

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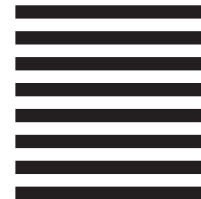
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