IBM

IBM Systems

IBM Director ServeRAID Manager
Release Notes

V8.30

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V8.30

Contents

Chapter 1. About this release

This document contains the release notes for IBM® Director ServeRAID™ Manager V8.30.

See the IBM Director Web site for possible updates to these release notes and other documents at: www.ibm.com/servers/eserver/xseries/systems_management/ibm_director/resources/

New in this release

Additional hardware support

IBM Director ServeRAID Manager V8.30 adds support for the following hardware:

- IBM ServeRAID-8k SAS controller
- IBM ServeRAID-8k-l SAS controller

Additional operating system support

IBM Director ServeRAID Manager V8.30 adds support for the following operating systems:

- SUSE Linux Enterprise Server 9.3 for Intel x86 and EM64T
- Red Hat Enterprise Linux 4 Quarterly Update 3
- Red Hat Enterprise Linux 3 Quarterly Update 7
- Novell NetWare 6.5 with Service Pack 5

Updated firmware levels

IBM Director ServeRAID Manager V8.30 contains the following firmware levels:

- Firmware level 5.1 for the ServeRAID-8i SAS controller
- Firmware level 5.1 for the ServeRAID-8k and 8k-l SAS controllers

Chapter 2. Installation and upgrade information

This section provides additional information about installing and upgrading IBM Director ServeRAID Manager V8.30 that might not be contained in the *ServeRAID Manager Installation and User's Guide*. See the *ServeRAID Manager Installation and User's Guide* for installation instructions. Access this document at the IBM Systems Software Information Center: publib.boulder.ibm.com/infocenter/eserver/v1r2/topic/diricinfo/fqm0_main.html.

The following notes are in addition to any information contained in the *ServeRAID Manager Installation and User's Guide*:

* IBM Director ServeRAID Manager V8.30 can be installed for IBM Director versions 5.10, 5.10.1, 5.10.2, or 5.10.3.

  Note: IBM Director ServeRAID Manager versions earlier than V8.25 cannot be installed for IBM Director versions 5.10.1, 5.10.2, or 5.10.3.

* 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.

* Creating logical drives prior to installing IBM Director ServeRAID Manager V8.30 requires the *IBM ServeRAID Support* CD. This CD comes with your ServeRAID controller, or you can download an ISO image from the IBM Support Web site. Refer to the documentation that comes with your CD-ROM writer for details on how to create a CD from an ISO image. If a CD writer is not available and the CD is lost, defective, or destroyed, contact the IBM HelpCenter for a replacement *IBM ServeRAID Support* CD.

Complete the following steps to download the upgrade packages for IBM Director ServeRAID Manager V8.30:

1. Navigate to the IBM Director Downloads Web Site at www.ibm.com/servers/eserver/xseries/systems_management/xseries_sm/dwnl.html.
2. Select **IBM Director 5.10 for xSeries® and BladeCenter®** from the list, complete the requested information, and click **Submit**.
3. Under the **Current version** heading, click **IBM Director 5.10 Update 3**.
4. Click the link for the package you want to download.

Table 1. IBM Director ServeRAID Manager V8.30 upgrade packages

Operating system	Component	Package file name
Linux	IBM Director ServeRAID Manager V8.30 - Agent	serveraid_8.30_agent_linux.tar
	IBM Director ServeRAID Manager V8.30 - Console	serveraid_8.30_console_linux.tar
	IBM Director ServeRAID Manager V8.30 - Management Server	serveraid_8.30_server_linux.tar
NetWare	IBM Director ServeRAID Manager V8.30 - Agent	serveraid_8.30_agent_netware.exe

Table 1. IBM Director ServeRAID Manager V8.30 upgrade packages (continued)

Operating system	Component	Package file name
Windows®	IBM Director ServeRAID Manager V8.30 - Agent	serveraid_8.30_agent_windows.zip
	IBM Director ServeRAID Manager V8.30 - Console	serveraid_8.30_console_windows.exe
	IBM Director ServeRAID Manager V8.30 - Management Server	serveraid_8.30_server_windows.exe

Chapter 3. Known limitations, problems, and workarounds

This section provides information about known limitations, problems, and workarounds when using IBM Director ServeRAID Manager V8.30.

Limitations

IBM Director ServeRAID Manager V8.30 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

IBM Director ServeRAID Manager V8.30 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.

Workarounds

Consider the following solution to an accessibility problem you might encounter when using IBM Director ServeRAID Manager V8.30.

(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

Besides this documentation, there is 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/diricinfo/fqm0_main.html

Updated periodically, the IBM Director information center contains the most recent 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:

- Downloads and documentation for the following IBM Director releases:
  - IBM Director 5.10 Update 3 (5.10.3)
  - IBM Director 5.10 Update 2 (5.10.2)
  - IBM Director 5.10 Update 1 (5.10.1)
  - 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 Support Guide* document, which lists supported IBM systems and 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 Director Software Developers Kit information center

publib.boulder.ibm.com/infocenter/dirinfo/toolkit/index.jsp

The IBM Director Software Developers Kit (SDK) information center provides information about the IBM Director SDK – a set of tools and documentation to help extend the capabilities of IBM Director by using the APIs and CLIs, creating tasks, and launching tools from the IBM Director user interface.

IBM Systems Software information center

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

This Web page provides information about IBM Virtualization Engine™, IBM Director, External Application Launch Wizard, Virtual System Manager, and other topics.

IBM ServerProven® page

www.ibm.com/servers/eserver/serverproven/compat/us/

This Web page provides information about IBM System x™, BladeCenter, and IntelliStation® hardware compatibility with IBM Director.

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 the following IBM products:

- IBM BladeCenter
- IBM System i™
- IBM System p™
- IBM System x
- IBM System z™

IBM Virtualization Engine systems services fixes

www14.software.ibm.com/webapp/set2/sas/f/VirtualizationEngine/home2.html

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 correctly.

IBM forums

www.ibm.com/developerworks/forums/dw_esforums.jsp

This Web page on 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.

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

System x IBM Director forum

www.ibm.com/developerworks/forums/dw_forum.jsp?forum=759&cat=53

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

System x Server forum

www.ibm.com/developerworks/forums/dw_forum.jsp?forum=740&cat=53

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

IBM Director SDK forum

www.ibm.com/developerworks/forums/dw_forum.jsp?forum=849&cat=53

A forum for discussing how to use the IBM Director SDK to extend the functionality of IBM Director to meet your specific needs. This Web page includes a link for obtaining the forum using an RSS feed.

IBM Redbooks™ publications

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 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)
- *IBM BladeCenter Systems Management with IBM Director V4.1 and Remote Deployment Manager V4.1* (REDP-3776)
- *Implementing IBM Director 5.10* (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

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

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 BladeCenter (Type 8677)*
- *IBM Management Processor Command-Line Interface (MPCLI) User's Guide version 5.10*

Appendix B. Contacting customer support

If you need help, service, or technical assistance or just want more information about IBM products, you will 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 x or IntelliStation system, and whom to call for service, if it is necessary.

Before you call

Before you call, make sure that you have taken these steps to try to solve the problem yourself.

- Check all cables to make sure that they are connected.
- Check the power switches to make sure that the system is turned on.
- Use the troubleshooting information in your system documentation, and use the diagnostic tools that are included with your system. You can find information about diagnostic tools for BladeCenter and System x systems in the *Problem Determination Service Guide* on the IBM *System x Documentation* CD. You can find information about diagnostic tools for IntelliStation in the IntelliStation *Hardware Maintenance Manual* at the IBM Support Web site.
- Go to the IBM Support Web site at www.ibm.com/support/us to check for technical information, hints, tips, and new device drivers or to submit a request for information.

You can solve many problems without outside assistance 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 BladeCenter, System x, and IntelliStation 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, see the information for the operating system or program.

Using the documentation

Information about your IBM BladeCenter, System x, or IntelliStation system and preinstalled software, if any, is available in the documentation that is included with your system. That documentation includes printed books, online books, readme files, and help files.

See the troubleshooting information in your system documentation for instructions for using the diagnostic programs. The troubleshooting information or the diagnostic programs might tell you that you need additional or updated device drivers or other software. IBM maintains pages on the World Wide Web where you can get the latest technical information and download device drivers and updates. To access these pages, go to www.ibm.com/support/us and follow the instructions. Also, you can order publications through the IBM Publications Ordering System at www.elink.ibmlink.ibm.com/public/applications/publications/cgibin/pbi.cgi.

Getting help and information from the World Wide Web

On the World Wide Web, the IBM Web site has up-to-date information about IBM BladeCenter, System x, and IntelliStation products, services, and support.

Use the following Web addresses for the applicable product information:

IBM product	Web address
BladeCenter products	www.ibm.com/servers/eserver/support/bladecenter/
IntelliStation workstations	www.ibm.com/servers/intellistation/pro/already.html
System x servers	www.ibm.com/servers/eserver/support/xseries/index.html

You can find service information for your IBM products, including supported options, at www.ibm.com/support/us .

Also, you can find information about IBM Director in the IBM Systems forum at www.ibm.com/developerworks/forums/dw_forum.jsp?forum=759&cat=53 .

Software service and support

Through IBM Support Line, you can get telephone assistance, for a fee, with usage, configuration, and software problems with IBM System x servers, IntelliStation workstations, and other products.

Through IBM Software Maintenance (SWMA), you can get telephone or electronic assistance, for a fee, with usage, configuration, and software problems with IBM System i technology, System p servers, and System x. Fixes and updates are part of the Warranty of the product and are included in your license for that product.

Through IBM Service and Subscription (S&S), you can get telephone or electronic assistance, for a fee, for defect software problems with System z mainframes. Fixes and updates are part of the Warranty of the product and are included in your license for that product.

Notes:

1. If you install and use IBM Director Server on IBM hardware, you can purchase the Implementation Services ServicePac® for BladeCenter and xSeries for service and support of IBM Director Server.

2. If you want to install and run IBM Director Server on non-IBM hardware, you must purchase a license for IBM Director Server. However, this license does not entitle you to service and support of IBM Director Server. You can purchase service and support separately from Support Line. You also can purchase Enhanced Technical Support (ETS), which is a proactive support option to Support Line for System x and non-IBM x86 systems.

For information about which products are supported by Support Line in your country or region, go to www.ibm.com/services/us/its/pdf/remotesupportxseries.pdf.

For more information about Support Line and other IBM services, go to
www.ibm.com/services/us/index.wss, 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 and Trademarks

This section provides legal notices and trademark information.

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IBM Corporation
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5600 Cottle Road
San Jose, CA 95193
U.S.A.

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Readers' Comments — We'd Like to Hear from You

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Overall, how satisfied are you with the information in this book?

	Very Satisfied	Satisfied	Neutral	Dissatisfied	Very Dissatisfied
Overall satisfaction	☐	☐	☐	☐	☐

How satisfied are you that the information in this book is:

	Very Satisfied	Satisfied	Neutral	Dissatisfied	Very Dissatisfied
Accurate	☐	☐	☐	☐	☐
Complete	☐	☐	☐	☐	☐
Easy to find	☐	☐	☐	☐	☐
Easy to understand	☐	☐	☐	☐	☐
Well organized	☐	☐	☐	☐	☐
Applicable to your tasks	☐	☐	☐	☐	☐

Please tell us how we can improve this book:

Thank you for your responses. May we contact you?   ☐ Yes   ☐ No

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Name _____   Address _____

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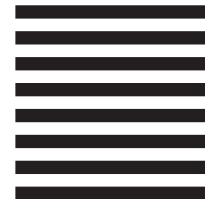Fold and Tape   **Please do not staple**   Fold and Tape

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