IBM

IBM Systems

IBM Director z/VM Center
Release Notes

Version 5.10

December 2005

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Contents

Chapter 1. About this release

This document contains the release notes for the z/VM® Center extension that operates with IBM® Director Version 5.10.

About possible updates to these release notes, visit the IBM Virtualization Engine™ support site for IBM Director 5.10 at www.ibm.com/servers/eserver/about/virtualization/enterprise/director.html or the IBM Director Web site at www.ibm.com/servers/eserver/xseries/systems_management/ibm_director/.

The z/VM Center extension provides a user interface for deploying and configuring Linux systems on virtual hardware that is based on real IBM System z9™ and @server zSeries® hardware and the z/VM hypervisor. For details see the following topic in the IBM Director information center publib.boulder.ibm.com/infocenter/eserver/v1r2/topic/diricinfo/ vsd0_c_vsd_and_sc.html.

New in this release

z/VM Center extension has been introduced with IBM Director 5.10.

Chapter 2. Installation and upgrade information

This section provides information about installing the z/VM Center extension for IBM Director Version 5.10.

Also refer to the following topics in the IBM Director information center:

- For information on preparing your z/VM environment for z/VM Center, including setting up a z/VM manageability access point, see publib.boulder.ibm.com/infocenter/eserver/v1r2/topic/diricinfo/vsd0_t_prepare.html
- For information on installing the z/VM Center server and console extensions see publib.boulder.ibm.com/infocenter/eserver/v1r2/topic/diricinfo/vsd0_t_installing_zvmctr.html
- For information on installing the required license key see publib.boulder.ibm.com/infocenter/eserver/v1r2/topic/diricinfo/vsd0_t_install_key.html
- For installing the z/VM CIM instrumentation on the z/VM manageability access point, see publib.boulder.ibm.com/infocenter/eserver/v1r2/topic/diricinfo/vsd0_t_install_map_rpm.html. You install the z/VM CIM instrumentation with an RPM that is available on the *IBM Director 5.10 for Linux on System z9 and zSeries* CD. You can obtain an ISO image of this CD from the ShopzSeries site at www14.software.ibm.com/webapp/ShopzSeries/ShopzSeries.jsp.

Because the z/VM Center extension is new in this release of IBM Director, there is no upgrade information.

Installation notes

This section provides additional information about installing z/VM Center extension components for IBM Director 5.10 on the management server and the management console.

You can run z/VM Center extension components on Linux®, AIX®, Windows®, and i5/OS™.

i5/OS You install any z/VM Center extension components on i5/OS with IBM Director 5.10. No separate installation of z/VM Center extension components is required.

You can obtain the z/VM Center extension components for

Linux and AIX
> from the IBM Virtualization Engine support site for IBM Director 5.10 at www.ibm.com/servers/eserver/about/virtualization/enterprise/director.html

Linux and Windows
> from the IBM Director Web site at www.ibm.com/servers/eserver/xseries/systems_management/ibm_director/

The z/VM Center extension components for Linux from either site can be installed on Linux on System z9 and zSeries, Linux on pSeries®, or Linux on xSeries®.

There is a separate package for each operating system. Each package contains the installation files for both the server extension and the console extension for that operating system. Table 1 on page 4 provides an overview of the available download packages:

Table 1. Download packages and content

Target operating system	Name of the download package	Contained z/VM Center extension for • IBM Director Server • IBM Director Console
Linux	Dir5.10_zVMCenterExt_Linux.zip	• zVMCenterServerExt-*version*.noarch.rpm • zVMCenterConsoleExt-*version*.noarch.rpm
AIX	Dir5.10_zVMCenterExt_AIX.tar	• IBM.Director.zVMCenterServerExt • IBM.Director.zVMCenterConsoleExt
Windows	Dir5.10_zVMCenterExt_Windows.zip	• zVMCenterServerExt_*version*_windows.exe • zVMCenterConsoleExt_*version*_windows.exe

In the file names, *version* indicates a version string.

You can download the z/VM Center extension code for free. However, to be able to use z/VM Center, you must purchase the "IBM Director Extensions, V5.10 feature of IBM Virtualization Engine and Infrastructure Services for Linux on System z9 and zSeries, V2.1" and install a license key. For details see the following topic in the IBM Director information center publib.boulder.ibm.com/infocenter/eserver/v1r2/topic/diricinfo/vsd0_t_install_key.html.

The following sections provide separate installation information for the z/VM Center server and console extensions. You can, but need not, install the server and console extension on the same system.

Management server

Consider the following information when installing z/VM Center extension components for IBM Director 5.10 on your management server.

You must have installed IBM Director Server before you start installing the z/VM Center server extension. Perform these steps:

1. Download the installation package to a temporary directory on the system where you want to install the extension. Refer to Table 1 to identify the correct package for your operating system.
2. Extract the installation files from the installation package.

   Table 2. Commands for extracting the installation files from the installation package

For	Type the following command and press Enter
Linux	unzip -xf Dir5.10_zVMCenterExt_Linux.zip
AIX	tar -xf Dir5.10_zVMCenterExt_AIX.tar
Windows	unzip Dir5.10_zVMCenterExt_Windows.zip

3. Proceed with the installation according to the instructions in the following topic in the IBM Director information center publib.boulder.ibm.com/infocenter/eserver/v1r2/topic/diricinfo/vsd0_t_installing_zvmctr.html.

   Windows only:
   • Reboot Windows after installing or uninstalling z/VM Center.
   • Uninstall z/VM Center before you uninstall IBM Director Server.

Management console

Consider the following information when installing z/VM Center components for IBM Director 5.10 on your management console.

You must have installed IBM Director Console before you start installing the z/VM Center console extension. Perform these steps:

1. Download the installation package to a temporary directory on the system where you want to install the extension. Refer to Table 1 on page 4 to identify the correct package for your operating system.
2. Extract the installation files from the installation package.

Table 3. Commands for extracting the installation files from the installation package

For	Type the following command and press Enter
Linux	unzip -xf Dir5.10_zVMCenterExt_Linux.zip
AIX	tar -xf Dir5.10_zVMCenterExt_AIX.tar
Windows	unzip Dir5.10_zVMCenterExt_Windows.zip

3. Proceed with the installation according to the instructions in the following topic in the IBM Director information center publib.boulder.ibm.com/infocenter/eserver/v1r2/topic/diricinfo/ vsd0_t_installing_zvmctr.html.

Chapter 3. Known limitations

For known limitations, problems, and workarounds pertaining to the z/VM Center extension see the *IBM Director Release Notes*.

You can obtain the latest version of this document from the IBM Director Web site at www.ibm.com/servers/eserver/xseries/ systems_management/ibm_director/resources/

Chapter 4. Documentation updates

For documentation updates pertaining to the z/VM Center extension see the *IBM Director Release Notes*.

You can obtain the latest version of this document from the IBM Director Web site at www.ibm.com/servers/eserver/xseries/ systems_management/ibm_director/resources/

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/diricinfo/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:

- Downloads and documentation for the following IBM Director releases:
  - 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 - 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 system-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 the following IBM servers:

- IBM BladeCenter
- IBM iSeries™
- IBM pSeries
- IBM xSeries
- IBM System z9 and *@server* zSeries

IBM Virtualization Engine systems services fixes

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 *@server* 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, for users to discuss technology issues relating to IBM *@server* 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

A forum for discussing any IBM Director topics. This web page includes link for obtaining the forum via RSS feed.

xSeries Server forum

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. Web page includes a link for obtaining forum via RSS feed.

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 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 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 4 lists some of these pages.

Table 4. 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/diricinfo/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 towww.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

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

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

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Easy to understand	☐	☐	☐	☐	☐
Well organized	☐	☐	☐	☐	☐
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