

# Novell ZENworks 7.3 Linux Management with Interim Release 4

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## 1 Overview

The issues included in this document were identified in Novell ZENworks 7.3 Linux Management with Interim Release 4 (IR4).

For installation instructions, see the *Novell ZENworks 7.3 Linux Management Installation Guide* (<http://www.novell.com/documentation/zlm73/lm7install/data/front.html>).

For administration concepts and tasks, see the *Novell ZENworks 7.3 Linux Management Administration Guide* (<http://www.novell.com/documentation/zlm73/lm7admin/data/front.html>).

This product contains undocumented utilities that Novell Support might use to diagnose or correct problems.

## 2 Issues Resolved by Version 7.3 IR4

Some of the issues identified in the initial version of ZENworks Linux Management 7.3 have been resolved with this release. For a list of the resolved issues, see TID 7003346 in the *Novell Support Knowledgebase* ([http://support.novell.com/search/kb\\_index.html](http://support.novell.com/search/kb_index.html)).

## 3 Known Issues

This section contains information about the issues that might occur when you install and use ZENworks 7.3 Linux Management with IR4:

- ♦ [Section 3.1, “Installation,” on page 1](#)
- ♦ [Section 3.2, “Upgrade,” on page 3](#)
- ♦ [Section 3.3, “Package Management,” on page 6](#)
- ♦ [Section 3.4, “Policy Management,” on page 6](#)
- ♦ [Section 3.5, “Imaging,” on page 7](#)
- ♦ [Section 3.6, “Inventory,” on page 9](#)
- ♦ [Section 3.7, “Remote Management,” on page 10](#)
- ♦ [Section 3.8, “Software Updater, Installer, and Remover,” on page 11](#)

### 3.1 Installation

This section contains information about the issues that might occur when you install ZENworks 7.3 Linux Management with IR4.

- ♦ [Section 3.1.1, “An incorrect message is displayed on a SUSE Linux Enterprise Server 11 device while configuring the ZENworks Server,” on page 2](#)

- ♦ Section 3.1.2, “ZENworks 7.3 Linux Management with IR2 installation might fail on RHEL 5.3 (64-bit) and RHEL 5.4 (64-bit) platforms,” on page 2
- ♦ Section 3.1.3, “Unable to launch ZENworks Control Center after successfully configuring the ZENworks Linux Management Server on a SLES 11 device,” on page 2
- ♦ Section 3.1.4, “Unable to capture or restore image of RHEL 6 devices on ext4 type file system,” on page 3
- ♦ Section 3.1.5, “New installation of ZENworks Linux Management 7.3 Server fails on SLES 11 SP1 device with SP1 Updates or Patches applied from Novell Customer Center update channel,” on page 3

### 3.1.1 An incorrect message is displayed on a SUSE Linux Enterprise Server 11 device while configuring the ZENworks Server

The following incorrect error message is displayed on a SUSE Linux Enterprise Server (SLES) 11 device while configuring the ZENworks Server:

```
Failed to activate service https://srm-test-srv.labs.blr.novell.com: []
```

Workaround: Ignore the message. However, you can confirm the ZENworks Service status of the device by using the `rug sl` command.

### 3.1.2 ZENworks 7.3 Linux Management with IR2 installation might fail on RHEL 5.3 (64-bit) and RHEL 5.4 (64-bit) platforms

![[04/20/11: bug 561556![[Rvwd by Carol]]] The ZENworks Linux Management server installation might fail while installing components. The following is one of the error messages that is displayed:

```
Installing Component 9 of 10: ZENworks Agent
Installing ZENworks Agent |
0%Traceback (most recent call last):
File "/mnt/zlm73ir2/Server/data/zlminstall.py", line 568, in ?
main()
File "/mnt/zlm73ir2/Server/data/zlminstall.py", line 441, in main
downloadID, transactID = zmd.transact(packages, None)
```

Workaround: Do the following on the device where you want to install ZENworks Linux Management:

- 1 Ensure that the ISO image to install ZENworks Linux Management server is locally available on the device.
- 2 Restart the ZENworks Linux Management installation program by running the `./zlm-install` command.

### 3.1.3 Unable to launch ZENworks Control Center after successfully configuring the ZENworks Linux Management Server on a SLES 11 device

![[added this section for IR3: Rvwd by Carol]]

The following error occurs when you launch ZENworks Control Center after configuring the ZENworks Linux Management Server on a SLES 11 device:

```
Error : LifecycleException: Exception opening directory server connection:
javax.naming.CommunicationException: localhost:389 [Root exception is
java.net.ConnectException: Connection refused]
```

This issue occurs because the loopback IP address 127.0.0.2 in the `/etc/hosts` file precedes the network IP address that was configured during the SLES 11 installation. Because of this, the ZENworks Linux Management Server tries to communicate with eDirectory by using the default port 389 instead of the actual port 10389.

Workaround:

- 1 In the `/etc/hosts` file, do one of the following:
  - ♦ Comment or remove the loopback IP address 127.0.0.2
  - ♦ Move the Loopback IP address 127.0.0.2 to come after the configured IP address.  
If you select the *Write hostname to etc/host* option in YaST, the loopback IP address 127.0.0.2 is added after the configured IP address.
- 2 Restart the ZENworks Linux Management services by using the `zlm-config --restart` command.
- 3 Run the `zlm-config` command again on the device where the ZENworks Linux Management Server is installed.

### 3.1.4 Unable to capture or restore image of RHEL 6 devices on ext4 type file system

**[Bug 666572: Akshatha]** By default, RHEL 6 installation creates partition with ext4 type file system. The Imaging component of ZENworks Linux Management Agent is not supported on ext4 type file system.

Workaround: You have to perform a customized installation of RHEL 6 with ext3 file system, so that you can capture or restore the images.

### 3.1.5 New installation of ZENworks Linux Management 7.3 Server fails on SLES 11 SP1 device with SP1 Updates or Patches applied from Novell Customer Center update channel

**[04/20/11: Bug 674205: Akshatha]** During ZENworks Linux Management Server installation, configuration of the new eDirectory instance fails due to SP1 kernel update packages.

Workaround: Devices should be either at SLES 11 SP1 level or updated without the SP1 kernel updates/patches and, then apply these updates only after ZENworks Linux Management Server is installed successfully.

## 3.2 Upgrade

This section contains information about the issues that might occur when you upgrade to ZENworks 7.3 Linux Management with IR3 from a previous release:

- ♦ Section 3.2.1, “Upgrading from SLES 10 to SLES 11 or SLED 10 to SLED 11 by using ZENworks 7.3 Linux Management is not supported,” on page 4
- ♦ Section 3.2.2, “Upgrading to ZENworks 7.3 Linux Management fails if the system language is French or German,” on page 4
- ♦ Section 3.2.3, “Unable to manually upgrade from ZENworks 7.3 Linux Management or ZENworks 7.3 Linux Management with Hot Patch 1 to ZENworks 7.3 Linux Management with IR2,” on page 4

- Section 3.2.4, “The Event based schedule for bundles becomes uneditable after upgrading from an earlier version of ZENworks Linux Management to ZENworks 7.3 Linux Management,” on page 5
- Section 3.2.5, “Unable to patch the RHEL devices if you assign the bundles that are mirrored from the RHN repository or from the RES catalogs in the NU repository,” on page 5
- Section 3.2.6, “Unable to register the SLES or SLED 11 managed device to the ZENworks 7.3 Linux Management Secondary Server with IR1, IR2, or IR3 installed,” on page 5

### 3.2.1 Upgrading from SLES 10 to SLES 11 or SLED 10 to SLED 11 by using ZENworks 7.3 Linux Management is not supported

An online upgrade from SLES 10 to SLES 11 or from SUSE Linux Enterprise Desktop (SLED) 10 to SLED 11 is currently not supported by SUSE Linux Enterprise. Therefore, upgrading SLES 10 or SLED 10 by using ZENworks Linux Management to SLES 11 or SLED 11 is also not supported. To upgrade SLES 10 or SLED 10 that has ZENworks Linux Management installed to SLES 11 or SLED 11, see the TID 7002790 at [Novell Support \(http://www.novell.com/support/\)](http://www.novell.com/support/).

### 3.2.2 Upgrading to ZENworks 7.3 Linux Management fails if the system language is French or German

Workaround: Before upgrading to ZENworks 7.3 Linux Management, change the system language to either English, Spanish, or Portugal. For more information on how to upgrade to ZENworks 7.3 Linux Management, see “[Upgrading to ZENworks 7.3 Linux Management](#)” in the *Novell ZENworks 7.2 7.3 Linux Management Installation Guide*.

### 3.2.3 Unable to manually upgrade from ZENworks 7.3 Linux Management or ZENworks 7.3 Linux Management with Hot Patch 1 to ZENworks 7.3 Linux Management with IR2

**! [bug 577218: Rvwd by Carol]** When you try to manually upgrade a ZENworks 7.3 Linux Management or ZENworks 7.3 Linux Management with Hot Patch 1 server to ZENworks 7.3 Linux Management with IR2, the upgrade fails with the following error message if the server was originally upgraded from ZENworks 7.2 Linux Management:

```
IOError: [Errno 2] No such file or directory: '/etc/nds.conf'
```

The failure occurs because the default path of the eDirectory 8.8 configuration file, `nds.conf`, is changed from `/etc` to `/etc/opt/novell/eDirectory/conf` when you upgrade from ZENworks 7.2 Linux Management to ZENworks 7.3 Linux Management.

Workaround: Do the following on the ZENworks 7.3 Linux Management server:

- 1 Run the following as a bash script:

```
/etc/init.d/ndsd stop
mv /etc/opt/novell/eDirectory/conf/nds.conf /etc
sed -i "s~/etc/opt/novell/eDirectory/conf~/etc~g" /etc/opt/novell/
eDirectory/conf/.edir/instances.0
/etc/init.d/ndsd start
```

- 2 Run the `./zlm-upgrade` command to manually upgrade to ZENworks 7.3 Linux Management with IR2.

### 3.2.4 The Event based schedule for bundles becomes uneditable after upgrading from an earlier version of ZENworks Linux Management to ZENworks 7.3 Linux Management

![[bug 473212; Updated for 7.3]]

The Event based schedule is not supported in ZENworks 7.3 Linux Management.

Workaround: After upgrading to ZENworks 7.3 Linux Management, manually change the schedule to *Date Specific* or *Relative to Refresh*. For more information on how to edit the schedule, see “Editing Bundles” in the *Novell ZENworks 7.27.3 Linux Management Administration Guide*.

### 3.2.5 Unable to patch the RHEL devices if you assign the bundles that are mirrored from the RHN repository or from the RES catalogs in the NU repository

![Rvwd by Carol]

The following error message is displayed during the installation of bundles that are mirrored from the RHN repository or from the RES catalogs in the NU repository:

```
error: %postun(rhnsd-4.6.1-1.el5.i386) scriptlet failed, exit status
```

During the bundle install, the existing version of the rhnsd package cannot be removed because the RPM uninstall script fails. Therefore the rhnsd package cannot update to the newer version that is available in the bundle.

Workaround: Do the following to successfully patch the RHEL devices:

- 1 From ZENworks Control Center, manually remove the new version of the rhnsd package from the assigned bundle.
- 2 Deploy the newer version of the bundle. This skips the installation of the newer version of the rhnsd package on the device.

For more information on how to upgrade the rhnsd package on the device to the new version, see the Red Hat Knowledgebase (<http://kbase.redhat.com/faq/docs/DOC-19442>).

### 3.2.6 Unable to register the SLES or SLED 11 managed device to the ZENworks 7.3 Linux Management Secondary Server with IR1, IR2, or IR3 installed

![Akshatha: Added for IR4]

On the ZENworks Linux Management Secondary Server, the file containing the Operating System target platform definition (ostargets.xml) is not automatically generated after its configuration. On upgrade, the ostargets.xml file should be available in the /var/opt/novell/zenworks/lib/www directory on the ZENworks Linux Management Secondary Servers.

Workaround: Do the following:

- 1 Manually copy ostargets.xml from /var/opt/novell/zenworks/lib/www/ on the ZENworks Primary Server to /var/opt/novell/zenworks/lib/www/ on the Secondary Server.
- 2 At the server console prompt, change the ownership of ostargets.xml to zenworks by running the following command:

```
chown zenworks:zenworks /var/opt/novell/zenworks/lib/www/ostargets.xml
```

### 3.3 Package Management

This section contains information about the issues that might occur when you use the Package Management features of ZENworks Linux Management:

- ♦ [Section 3.3.1, “Wildcard characters do not work when executing a bundle-list command from zlman,” on page 6](#)
- ♦ [Section 3.3.2, “Some pattern, patch, and product rug commands are not supported,” on page 6](#)
- ♦ [Section 3.3.3, “Package Update shows an incorrect status when a bundle is assigned to a server or workstation group,” on page 6](#)

#### 3.3.1 Wildcard characters do not work when executing a bundle-list command from zlman

! [249150]

The use of wildcard characters using the `bundle-list (bl)` command to list bundles is not currently supported.

#### 3.3.2 Some pattern, patch, and product rug commands are not supported

A few pattern, patch, and product `rug` commands are not supported on SLES 9, RHEL, and Novell Linux Desktop.

#### 3.3.3 Package Update shows an incorrect status when a bundle is assigned to a server or workstation group

! [255611]

This might occur because the bundle is assigned to a device group and not directly to the device.

Workaround: None.

### 3.4 Policy Management

This section contains information about the issues that might occur when you use the Policy Management features of ZENworks Linux Management:

- ♦ [Section 3.4.1, “SUSE Linux Enterprise Desktop policy issues,” on page 6](#)
- ♦ [Section 3.4.2, “The system area of the SLED 10 SP1 / SP3 managed device disappears when you try to remove the system menus by using the SLED policy,” on page 7](#)
- ♦ [Section 3.4.3, “The previous settings of a SLED policy are not restored on SLED devices after reenforcing the policy,” on page 7](#)

#### 3.4.1 SUSE Linux Enterprise Desktop policy issues

If you configure the SUSE Linux Enterprise Desktop policy for a SLED 10 managed device, you might encounter the following issues:

- ♦ [! \[257616\]](#) The *Disable Launcher Creation* option does not work.

- ♦ [!\[257325\]](#) If you try to remove an option that is selected in the *Show* drop-down list of the main menu file area, the main menu fails to appear. [!\[257335\]](#) Also, if you try to unassign the policy from the managed device, the main menu still fails to appear.

Workaround: If the main menu fails to appear on unassigning the policy:

1. Ensure that the policy is removed from the device by refreshing the managed device and logging in to the device again.
2. On the managed device, right-click the panel, click *Add to Panel*, select *Main Menu* from the *Add to Panel* list, then click *Add*.

### 3.4.2 The system area of the SLED 10 SP1 / SP3 managed device disappears when you try to remove the system menus by using the SLED policy

[!\[300273; 561583\]](#)

If you enforce the SLED policy that is configured to remove the system menus from the system area, the system area on the SLED 10 SP1 / SP3 managed device disappears.

Workaround: Delete the `/.local/share/gnome-main-menu/system-items.xbel` file from the home directory of the user who has logged in to the device. [!\[changed the workaround based on bug 561583 for IR2\]](#)

### 3.4.3 The previous settings of a SLED policy are not restored on SLED devices after reenforcing the policy

If you deselect the *Favorite Applications Configuration* check box in the SLED policy on SLED 10 and SLED 11 devices, then reenforce the policy, the previous settings are not restored.

[!\[bug 560300: added for IR2: Rvwd by Carol\]](#) Workaround: After reenforcing the policy on the managed device, delete the `/.local/share/gnome-main-menu/applications.xbel` file from the home directory of the user who has logged in to the device.

## 3.5 Imaging

This section contains information about the issues that might occur when you use the Imaging features of ZENworks Linux Management:

- ♦ [Section 3.5.1, “After installing ZENworks Linux Management on a server, some image safe data is missing or incorrect,” on page 8](#)
- ♦ [Section 3.5.2, “The imaging server does not support double-byte characters in the name of the image file,” on page 8](#)
- ♦ [Section 3.5.3, “zislrx fails to shut down on RHEL 3 devices,” on page 8](#)
- ♦ [Section 3.5.4, ““Error: Could not create linux symbolic link” when restoring extracted add-on image,” on page 8](#)
- ♦ [Section 3.5.5, “Not able to get into the utility partition after applying a configuration bundle on a Dell PE700 device,” on page 8](#)
- ♦ [Section 3.5.6, “ZENworks Linux Management Imaging fails on a VMware server,” on page 9](#)

### 3.5.1 After installing ZENworks Linux Management on a server, some image safe data is missing or incorrect

![[251940]]

If you take an image of a server just after installing ZENworks Linux Management (that is, before `zislrx-start` has a chance to run again at boot), the image is restored with an incorrect network configuration and hostname.

Workaround: After completing the server installation, execute `/etc/init.d/novell-zislrx start`.

This issue does not affect installation of the ZENworks Agent on a managed device.

### 3.5.2 The imaging server does not support double-byte characters in the name of the image file

![[121447]]

The Imaging engine does not support double-byte characters in image filenames. The ZENworks Control Center allows you to enter a double-byte character, but the Imaging Server does not recognize it. Therefore, do not use double-byte characters in the names of image files.

### 3.5.3 `zislrx` fails to shut down on RHEL 3 devices

![[158421]]

On Red Hat Enterprise Linux 3 (RHEL 3) devices, using the `/etc/init.d/novell-zislrx stop` command fails to shut the service down. At some later time, the device then fails to respond to a soft reboot, and must be cold-booted.

The error message displayed when running `/etc/init.d/novell-zislrx stop` is incorrect, because RHEL 3 does not follow LSB standards.

Workaround: Do not use the `/etc/init.d/novell-zislrx stop` command. Normally, you would not run this command, because when `/etc/init.d/novell-zislrx` is run from either a bash prompt or at boot-up, it runs once then stops itself.

### 3.5.4 "Error: Could not create linux symbolic link" when restoring extracted add-on image

![[121403]]

The use of a symbolic link is not supported in add-on images if the link's location does not exist on the device where the add-on image is extracted.

### 3.5.5 Not able to get into the utility partition after applying a configuration bundle on a Dell PE700 device

![[158027]]



The Dell utility partition relies on its version of the MBR (master boot record) to function correctly. Grub also uses the MBR for its boot loader. If you install the Dell utility partition, then install the Linux operating system, the Dell version of the MBR is overwritten by the grub version. Instructions to remedy this problem are found in “[Creating Dell Configuration Bundles](#)” in the *Novell ZENworks 7.27.3 Linux Management Administration Guide*.

However, the instructions do not work for Dell PE700 devices. For Dell PE700 devices, there is no workaround.

### 3.5.6 ZENworks Linux Management Imaging fails on a VMware server

![[bug # 294189]

If you try boot a VMware server from the CD or DVD, or a ZENworks partition, the preboot services fail with the following message:

```
Can't find ZEN install channel, invoking manual install
```

Workaround: Use a USB device to boot a VMware server.

## 3.6 Inventory

This section contains information about the issues that might occur when you use the Inventory features of ZENworks Linux Management:

- ♦ [Section 3.6.1, “Hardware Inventory fails to report some information,” on page 9](#)
- ♦ [Section 3.6.2, “CPU-based registration rules might fail for a few Intel Pentium processors,” on page 10](#)
- ♦ [Section 3.6.3, “A ZENworks Linux Management agent running on VMware might report an incorrect processor family description on some hardware models such as Dell Optiplex 755,” on page 10](#)

### 3.6.1 Hardware Inventory fails to report some information

- ♦ A hardware inventory currently does not report some items, such as power supply, for any type of device. For Red Hat machines, items such as floppy and monitor are not recognized.
- ♦ On SLES 9, Novell Linux Desktop, and Open Enterprise Server managed devices, the hardware probe using the hwinfo utility might unload the lp module and consequently remove the printer device.

Workaround: Download and install the updates for the hwinfo utility. For detailed information on how to obtain the updates, see the [Novell Support Web site \(http://support.novell.com/techcenter/psdb/625a8580c15ecc6e9aad85d05772ae67.html\)](http://support.novell.com/techcenter/psdb/625a8580c15ecc6e9aad85d05772ae67.html).

- ♦ The hardware Inventory Scanner fails to capture the network adapter information for managed devices on S390X hardware.

![[{bug 476890: Updated for 7.3]

Workaround: None

### 3.6.2 CPU-based registration rules might fail for a few Intel Pentium processors

If you create a CPU-based registration rule to filter Intel Pentium processors for registering the managed device to the server, the Inventory Scanner utility (hwinfo) captures the CPU model name as "Pentium(R) 4 processor 2800 MHz" instead of "Intel(R) Pentium(R) 4 CPU 2.80GHz" for some machines; the prefix Intel is omitted. Consequently, the registration of the device to the server might fail.

Workaround: None.

### 3.6.3 A ZENworks Linux Management agent running on VMware might report an incorrect processor family description on some hardware models such as Dell Optiplex 755

![[bug 527072: added for 7.3ir1: revwd by Carol]] Workaround: None: The VMware system BIOS stores incorrect information about the processor family, which is retrieved by the hwinfo utility used in the ZENworks Linux Management hardware inventory.

## 3.7 Remote Management

This section contains information about the issues that might occur when you use the Remote Management features of ZENworks Linux Management:

- ♦ [Section 3.7.1, “A grey screen is displayed when you start the Remote Login operation,” on page 10](#)
- ♦ [Section 3.7.2, “The Remote Management -VNC applet sometimes hangs when starting a remote management session,” on page 10](#)

### 3.7.1 A grey screen is displayed when you start the Remote Login operation

![[bug 294738 / 344586]]

When you start the Remote Login operation on a managed device, the launched session shows only a grey screen with an X cursor because XDMCP is not enabled on the managed device.

Workaround: On the managed device, do the following:

- 1 Manually enable XDMCP by executing the `novell-rm-fixrl.sh` script from a console session as mentioned below:
  - ♦ **On SLES 10 and SLED 10:** Execute `/usr/bin/novell-rm-fixrl.sh -dm xdm -cf /etc/opt/gnome/xdm/xdm.conf enable`.
  - ♦ **On SLES 9 and Novell Linux Desktop:** Execute `/opt/novell/zenworks/bin/novell-rm-fixrl.sh -dm xdm -cf /etc/opt/gnome/xdm/xdm.conf enable`.
  - ♦ **On RHEL:** Execute `/opt/novell/zenworks/bin/novell-rm-fixrl.sh -dm gdm -cf /etc/X11/gdm/gdm.conf enable`.
- 2 Start the Remote Login operation.

### 3.7.2 The Remote Management -VNC applet sometimes hangs when starting a remote management session

![[158590]]

When starting a remote management session, the Remote Management -VNC applet randomly hangs.

Workaround: Stop and restart all running browser sessions, then retry the remote management session.

## 3.8 Software Updater, Installer, and Remover

This section contains information about the issues that might occur when you use zen-installer, zen-remover, or zen-updater in ZENworks 7.3 Linux Management.

- ♦ [Section 3.8.1, “zen-installer, zen-remover and zen-updater fail with a mono-lib exception on a RHEL5 64-bit managed device,” on page 11](#)
- ♦ [Section 3.8.2, “Unable to launch zen-installer, zen-remover, and zen-updater on the RHEL 6 \(64-bit\) device with the ZENworks Linux Management Agent installed,” on page 11](#)

### 3.8.1 zen-installer, zen-remover and zen-updater fail with a mono-lib exception on a RHEL5 64-bit managed device

![[bug # 344225]

If you start zen-installer, zen-remover, and zen-updater from the command line on a RHEL5 64-bit managed device, it throws a traceback error with a mono-lib exception.

Workaround: On a RHEL5 64-bit managed device, do the following:

- 1 Edit `/etc/selinux/config` to set the value of SELINUX to disabled.
- 2 Reboot the device.

### 3.8.2 Unable to launch zen-installer, zen-remover, and zen-updater on the RHEL 6 (64-bit) device with the ZENworks Linux Management Agent installed

![[Akshatha:Added for IR4 From Akshatha to Carol: Please review this section] This issue might occur if an older mono version 1.2.6 is being used in ZENworks Linux Management and is not compatible to use GTK controls on the RHEL 6 (64-bit) platform.

Workaround: Use the rug CLI tool to perform the equivalent operation.

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