
ZENworks® 11 Support Pack 4

What's New Reference

May 2016

Legal Notices

For information about legal notices, trademarks, disclaimers, warranties, export and other use restrictions, U.S. Government rights, patent policy, and FIPS compliance, see <https://www.novell.com/company/legal/>.

Copyright © 2016 Novell, Inc. All Rights Reserved.

Contents

| | |
|---|-----------|
| About This Guide | 5 |
| 1 What's New in 11 SP4 | 7 |
| 1.1 System Requirements | 7 |
| 1.1.1 Primary Server and Managed Device Support | 7 |
| 1.1.2 Browser Support | 7 |
| 1.2 ZENworks Appliance | 8 |
| 1.3 ZENworks Reporting | 8 |
| 1.4 Asset Management | 9 |
| 1.5 Configuration Management | 9 |
| 1.5.1 Reconciliation Settings | 10 |
| 1.5.2 Shared Content Repository | 10 |
| 1.5.3 SSL Management | 10 |
| 1.5.4 ZENworks Updater Service (ZeUS) for Windows | 10 |
| 1.5.5 Remote Management | 11 |
| 1.5.6 SUSE Subscriptions | 11 |
| 1.5.7 Additional Features | 11 |
| 1.6 Endpoint Security Management | 11 |
| 1.7 Full Disk Encryption | 12 |
| 1.8 Patch Management | 12 |
| 2 What's New in 11.4.1 | 15 |
| 2.1 System Requirements | 15 |
| 2.1.1 Primary Server Support | 15 |
| 2.1.2 Managed Device Support | 15 |
| 2.1.3 Browser Support | 15 |
| 2.2 Configuration Management | 15 |
| 2.2.1 MDT Deployment Bundles | 16 |
| 2.2.2 Telemetry | 16 |
| 2.2.3 ZENworks Source | 16 |
| 2.3 Legal Notices | 16 |
| 3 What's New in 11.4.2 | 17 |
| 3.1 System Requirements | 17 |
| 3.1.1 Tomcat 7.0.61 is updated to Tomcat 7.0.68 | 17 |
| 3.1.2 Support for New Platforms | 17 |
| 3.1.3 Support for New Administration Browsers | 18 |
| 3.2 Patch Management Improvements | 18 |
| 3.2.1 Performance Improvements | 18 |
| 3.2.2 SLES 12 Support | 18 |
| 3.2.3 Patch Policy Notification and Cancel Options | 18 |
| 3.2.4 Cached Patch Bundle Cleanup | 19 |
| 3.2.5 New Patch Reports | 19 |
| 3.3 Non-driver Files Signed with SHA-2 Code Signing Certificate | 19 |
| 3.4 Legal Notices | 19 |

About This Guide

This *ZENworks What's New Reference* describes the new features in the ZENworks release. The guide includes the following sections:

- ♦ Chapter 1, "What's New in 11 SP4," on page 7
- ♦ Chapter 2, "What's New in 11.4.1," on page 15
- ♦ Chapter 3, "What's New in 11.4.2," on page 17

Audience

This guide is intended for ZENworks administrators.

Feedback

We want to hear your comments and suggestions about this manual and the other documentation included with this product. Please use the **comment on this topic** feature at the bottom of each page of the online documentation.

Additional Documentation

ZENworks is supported by other documentation (in both PDF and HTML formats) that you can use to learn about and implement the product. For additional documentation, see the [ZENworks 11 SP4 documentation website \(http://www.novell.com/documentation/zenworks114\)](http://www.novell.com/documentation/zenworks114).

1 What's New in 11 SP4

The following sections describe the new features and enhancements in Novell ZENworks 11 Support Pack 4:

- ◆ [Section 1.1, “System Requirements,” on page 7](#)
- ◆ [Section 1.2, “ZENworks Appliance,” on page 8](#)
- ◆ [Section 1.3, “ZENworks Reporting,” on page 8](#)
- ◆ [Section 1.4, “Asset Management,” on page 9](#)
- ◆ [Section 1.5, “Configuration Management,” on page 9](#)
- ◆ [Section 1.6, “Endpoint Security Management,” on page 11](#)
- ◆ [Section 1.7, “Full Disk Encryption,” on page 12](#)
- ◆ [Section 1.8, “Patch Management,” on page 12](#)

1.1 System Requirements

- ◆ [Section 1.1.1, “Primary Server and Managed Device Support,” on page 7](#)
- ◆ [Section 1.1.2, “Browser Support,” on page 7](#)

1.1.1 Primary Server and Managed Device Support

Support for the following platforms is introduced in ZENworks 11 SP4:

- ◆ [“Primary Server Support” on page 7](#)
- ◆ [“Managed Device Support” on page 7](#)

Primary Server Support

- ◆ Red Hat Enterprise Linux 5.10, 5.11, and 6.6x86_64
- ◆ SLES 12 x86_64

Managed Device Support

- ◆ Red Hat Enterprise Linux 5.10, 5.11, and 6.6x86_64
- ◆ SLES 12 x86_64
- ◆ Mac OS X 10.10.x (x86 and x86_64)

For more information, see [“ZENworks 11 SP4 System Requirements.”](#)

1.1.2 Browser Support

The following browser versions are supported:

- ◆ Internet Explorer 10.0 and 11.0

For information about all the supported browsers, see [Administration Browser Requirements](#) in “ZENworks 11 SP4 System Requirements.”

1.2 ZENworks Appliance

ZENworks 11 SP4 appliance is based on a new appliance architecture that is targeted to ease manage, monitor, patch, and upgrade the underlying appliance platform. The ZENworks Appliance is simple to deploy and maintain, and delivers a highly scalable ZENworks solution.

Some of the main features of the Appliance include:

- ♦ **Multiple Hypervisor Support:** Supports VMware ESXi/vSphere, Hyper-V, and Citrix XenServer.
- ♦ **Simplified Setup Experience:** Includes a web-based facility to configure ZENworks, to easily create Certificate Signing Requests for external certificates, and to easily import certificate responses.
- ♦ **Simplified Management Experience:** Provides a simplified management experience that includes:
 - ♦ **Suite of web-based tools:** A suite of web-based tools to access server configuration and Ganglia monitoring, network configuration, firewall, configuration files, log configuration and log files, files uploaded or downloaded from the appliance, and the terminal session to run ZENworks commands.
 - ♦ **Appliance Update Framework:** It supports a channel based update. Based on entitlements the update channels will be available, you can apply updates through the ZENworks Appliance web console.
 - ♦ **System Updates:** System updates for regular updates of the ZENworks platform.
- ♦ **Simplified Migrate Experience:** Provides you with:
 - ♦ A migration utility to migrate from the ZENworks 11 SP3 Appliance to the ZENworks 11 SP4 Appliance.
 - ♦ A new and simple appliance migrate process.
 - ♦ A significant decrease in time and effort to migrate.

For more information, see the [ZENworks Appliance 11 SP4 Deployment and Administration Reference](#).

1.3 ZENworks Reporting

The ZENworks Reporting server that comes with ZENworks 11 SP4 is provided as a virtual appliance only. Some of its features include:

- ♦ Appliance form factor
 - ♦ Delivered as a SUSE-based virtual appliance
 - ♦ Easy to update and maintain
- ♦ Simplified configuration
 - ♦ Web-based configuration
 - ♦ Support for the local administrator account
 - ♦ Better search facility to configure administrator groups
- ♦ Console usability improvements
 - ♦ No data mode for Adhoc Filters

- ◆ Refresh data when filters change only on submit
- ◆ More usable Input control with improved performance and type ahead
- ◆ Save scheduled reports to FTP server or host file system
- ◆ New and improved charts
 - ◆ Improved chart formatting and export options
 - ◆ Multitude of charts - time series graphs, dual axis, multi-axis, scatter, bubble, spider and dual level pie charts
- ◆ Adhoc view Improvements
 - ◆ Create calculated fields using multiple fields and functions
 - ◆ Enhanced list of pre-built functions
 - ◆ New date aggregation options – minute and second in addition to the existing format (Year, Quarter, Month, and Day)
- ◆ Adhoc report Improvements
 - ◆ Create report templates in Jaspersoft Studio and use them to determine appearance of reports created from Adhoc Views.
 - ◆ Magnify report and search for content with-in reports.

For more information, see the [ZENworks Reporting System Reference](#).

1.4 Asset Management

- ◆ **License Information Sources (LIS):** New Asset Management workflows are created to track license compliance for Novell products such as Open Enterprise Server and GroupWise. The License Information Sources panel in ZENworks Control Center allows you to add new configurations, and edit or delete the existing configurations for these Novell products.

For more information, see [License Compliance](#) in the [ZENworks 11 SP4 Asset Management Reference](#).

- ◆ **ZAV Application Usage Inventory:** ZENworks inventory is now able to inventory the usage of ZENworks Application Virtualization applications.
- ◆ **Hardware and Software Collector used as the Linux Managed Agent:** Linux IOA and Portable collector use the same hardware and software collector as the Linux managed agent.

For more information, see the [ZENworks 11 SP4 Asset Inventory Reference](#).

- ◆ **AM Zone Rights:** This new right allows you to create or delete License Information Sources.
- ◆ **Audit option for LDAP Import Task:** A new audit option is included to audit the events related to the LDAP import task.

For more information, see the [Change Event Categories](#) in the [ZENworks 11 SP4 Audit Management Reference](#).

1.5 Configuration Management

- ◆ [Section 1.5.1, “Reconciliation Settings,” on page 10](#)
- ◆ [Section 1.5.2, “Shared Content Repository,” on page 10](#)
- ◆ [Section 1.5.3, “SSL Management,” on page 10](#)
- ◆ [Section 1.5.4, “ZENworks Updater Service \(ZeUS\) for Windows,” on page 10](#)

- ♦ [Section 1.5.5, “Remote Management,”](#) on page 11
- ♦ [Section 1.5.6, “SUSE Subscriptions,”](#) on page 11
- ♦ [Section 1.5.7, “Additional Features,”](#) on page 11

1.5.1 Reconciliation Settings

Reconciliation settings are added to the registration key and registration rule to support the VDI non-persistent desktops. This takes precedence over zone level reconciliation settings.

For more information, see the [ZENworks 11 SP4 Discovery, Deployment, and Retirement Reference](#).

1.5.2 Shared Content Repository

The Shared Content Repository feature that is introduced in ZENworks 11 SP4 enables you to share the content repository between multiple Primary Servers. In prior releases of ZENworks, every Primary Server had its own content repository.

For more information, see [Content Sharing](#) in the [ZENworks 11 SP4 Primary Server and Satellite Reference](#).

1.5.3 SSL Management

The new ZENworks SSL Management feature provides you with the ability to manage the ZENworks Certificate Authority (CA) through ZENworks Control Center. The simple user interface enables you to easily:

- ♦ Remint the internal ZENworks CA.
- ♦ Change from one CA to another (internal to external, external to internal or external to external)
- ♦ Renew external CA certificates.
- ♦ Manage the certificates of Primary and Authentication Satellite Servers.
- ♦ Back up or restore the internal ZENworks CA.
- ♦ Move the CA role to a different Primary Server.
- ♦ Receive notifications about Certificate expiry.

For more information, see the [ZENworks 11 SP4 SSL Management Reference](#).

1.5.4 ZENworks Updater Service (ZeUS) for Windows

With ZENworks 11 SP4, a new service known as ZENworks Updater Service (ZeUS) runs on the Windows agent device, regardless of whether or not the ZENworks Adaptive Agent is running. ZeUS provides more robust upgrade and repair capabilities, along with a built-in auto recovery mechanism; it also provides more control and flexibility to the ZENworks server in order to reach the managed device for upgrading the agent.

ZENworks administrators can authorize and schedule agent updates, reset the agent by deleting the agent cache and restarting the agent service, re-install the last known successful agent update, and have ZeUS provide active monitoring of agent update activities. End users have the ability to Snooze and Resume an agent update from the Windows System Tray.

The ZENworks Updater Service has its own installer and is self-updating. All ZeUS activity is logged to its own log file (zeus-messages.log), which can be accessed from the %ZENWORKS_HOME%\ZeUS\logs directory.

For more information, see the [ZENworks 11 SP4 System Updates Reference](#).

1.5.5 Remote Management

- ◆ ZENworks 11 SP4 includes an updated remote management service based on TightVNC 2.7 to provide improved reliability and performance with ZENworks remote control while preserving the ZENworks specific enhancements.
- ◆ In ZENworks 11SP4, Remote Management Operations can be performed without any interruption even when the ZENworks Agent Service is disabled.

For more information, see the [ZENworks 11 SP4 Remote Management Reference](#).

1.5.6 SUSE Subscriptions

ZENworks Subscription has added the SUSE Subscription type to replicate packages from SUSE Customer Center and create bundles in the ZENworks system.

NOTE: SUSE Linux Enterprise 12 updates are available only via the SUSE Customer Center. You must use SUSE Subscription to replicate these updates.

For more information, see [Subscriptions](#) in the [ZENworks 11 SP4 Linux Package Management Reference](#).

1.5.7 Additional Features

- ◆ **Export Server and Workstation Data in csv File Format:** In ZENworks Control Center (under the **Devices** tab), a new task has been added for servers and workstations that allows you to export data in csv file format.

For more information, see [Folders](#) in the [ZENworks 11 SP4 ZENworks Control Center Reference](#).

- ◆ **Search for Administrators and Clear the Search Result:** Two new options have been added to the Administrator's panel. The **Search** option enables you to filter administrator details by using an appropriate string. The **x** mark that is available next to the **Search** option enables you to clear the administrator search filter results.

1.6 Endpoint Security Management

- ◆ **Data Encryption Policy:** Added the ability to exclude specific removable storage devices from being encrypted. For details, see the “[Data Encryption Policy](#)” in the [ZENworks 11 SP4 Endpoint Security Policies Reference](#).
- ◆ **VPN Enforcement Policy:** Added the ability to detect Internet access or VPN connectivity by monitoring pings or continuous packet streams to specific network addresses. For details, see “[VPN Enforcement Policy](#)” in the [ZENworks 11 SP4 Endpoint Security Policies Reference](#).

- ♦ **USB Connectivity Policy:** Simplified the access settings for USB devices by removing the Always Enable and Always Disable options. Any access settings assigned to individual devices now override the device group access settings. In addition, the device list is ordered so that access settings are applied from top to bottom. For details, see “[USB Connectivity Policy](#)” in the *ZENworks 11 SP4 Endpoint Security Policies Reference*.
- ♦ **Network Adapters:** Added the ability to create network adapter definitions and assign specific adapter types (wireless, wired, dialup/cellular, or virtual). Several features (locations, Communication Hardware policies, and VPN Enforcement policies) require ZENworks to detect the network adapters on a managed device. In some cases, detected network adapters provide incorrect information for their adapter type. This can negatively affect intended behavior when determining the device's location or when enforcing the Communication Hardware policy and VPN Enforcement policy. By defining a network adapter and assigning it a type, you can ensure the expected behavior for locations and policies.
- ♦ **Device Import:** The Data Encryption policy, Storage Device Control policy, and USB Connectivity policy each have removable storage device lists that can be populated by importing devices from a Device Scanner file. The import for each of these policies has been improved to identify the recommended data fields versus the advanced data fields, and to allow you control over which data fields are imported. For details, see “[Data Encryption Policy](#)”, “[Storage Device Control Policy](#)”, and “[USB Connectivity Policy](#)” in the *ZENworks 11 SP4 Endpoint Security Policies Reference*.

1.7 Full Disk Encryption

- ♦ **Enhanced Self-Encrypting Drive Support:** Previously, support for OPAL compliant self-encrypting drives was limited to a specific list of approved drives. This limitation was, and still is, due to variations in the way that drive manufacturers implement the OPAL specification with regards to drive locking. If you want ZENworks Full Disk Encryption to use drive locking, you must use one of the drives on the approved list (see *ZENworks 11 SP4 Full Disk Encryption Self-Encrypting Drive Support*) or use a self-tested drive that works (see *ZENworks 11 SP4 Full Disk Encryption Self-Encrypting Drive Compatibility Testing*).

With this release, ZENworks Full Disk Encryption also supports OPAL 2.0 compliant self-encrypting drives that are not drive-locking compatible. It does this by using pre-boot authentication with software-based encryption. In this mode, the ZENworks PBA does not implement drive locking; the drive remains unlocked (but hardware encrypted) at all times. To compensate for the drive being unlocked, ZENworks Full Disk Encryption applies software encryption to the drive, adding a second layer of encryption to the drive's native hardware encryption.

For more information, see *ZENworks 11 SP4 Full Disk Encryption Deployment on Self-Encrypting Drives*.

1.8 Patch Management

- ♦ **Airgap for Closed Network Customers:** For customers who work with sensitive data that cannot be exposed to the Internet, an airgap feature is now available. This feature allows you to use ZENworks Patch Management on workstations in networks disconnected from the Internet, also known as “airgapped” environments. In this configuration, one Patch Management server is configured to download patch content to the Internet. Then, after the content is downloaded, it is migrated to another Patch Management server, which is disconnected from the Internet. Use this server to patch your airgapped workstations into compliance.

- ◆ **Patch Server Migration:** In the event of Patch Management server failure or maintenance, it is now possible to migrate Patch Management on another ZENworks server while retaining the data from your previous Patch Management install. During a move, you can now retain Cached Patch Content, Mandatory Baselines, and DAU Bundles.
- ◆ **Patch Management Configuration Reorganization:** The configuration settings for Patch Management in the Management Zone Settings have been reorganized into different pages. The new layout is more intuitive. However, experienced Patch Management users might find that some settings have been moved from the pages they are used to.
 - ◆ **Management Zone Settings for Patch Management:** The number of Management Zone Settings for Patch Management has been reduced from 12 categories to 7. Some of these categories have been consolidated for a more intuitive user experience.

| Configuration | Registration | Asset Inventory | Asset Management | System Updates | Locations | Certificates |
|---|---|-----------------|------------------|----------------|-----------|--------------|
| Management Zone Settings | | | | | | |
| Content | | | | | | ⌵ |
| Device Management | | | | | | ⌵ |
| Discovery and Deployment | | | | | | ⌵ |
| Event and Messaging | | | | | | ⌵ |
| Infrastructure Management | | | | | | ⌵ |
| Inventory | | | | | | ⌵ |
| Asset Management | | | | | | ⌵ |
| Service Desk Management | | | | | | ⌵ |
| Mobile Management | | | | | | ⌵ |
| Audit Management | | | | | | ⌵ |
| Patch Management | | | | | | ⌶ |
| Category | Description | | | | | |
| Subscription Service Settings | ZPM server with any HTTP proxy and 3rd party subscription settings | | | | | |
| Subscription Service Content Download | Patch subscription content download settings | | | | | |
| Email Notification | Email notifications to be delivered when new patches are discovered | | | | | |
| Dashboard and Trending | Configure patch dashboard and trending behavior | | | | | |
| Vulnerability Detection Schedule | Update vulnerability data and detection schedule | | | | | |
| Patch Policy Settings | Distribution and execution of patch policies | | | | | |
| Mandatory Baseline Settings | Set global values for how mandatory baseline installs will behave | | | | | |

The following table shows the new ZENworks 11 SP4 categories, compared with the ZENworks 11 SP3 categories.

Table 1-1 Patch Management Category Reorganization

| ZENworks 11 SP4 Categories | ZENworks 11 SP3 Categories |
|---------------------------------------|--|
| Subscription Service Settings | <ul style="list-style-type: none"> ◆ Subscription Service Information ◆ Configure HTTP Proxy ◆ Patch Subscription Credentials |
| Subscription Service Content Download | Subscription Download |
| Email Notification (no change) | |
| Dashboard and Trending (no change) | |

ZENworks 11 SP4 Categories ZENworks 11 SP3 Categories

| | |
|---|---|
| Vulnerability Detection Schedule | <ul style="list-style-type: none">◆ Schedule Discover Applicable Update Bundles Install◆ Schedule Discover Applicable Update Bundles Distribution◆ Deployment Options |
| Patch Policy Settings | <ul style="list-style-type: none">◆ Patch Policy Enforcement Settings◆ Patch Policy Distribution Settings |
| Mandatory Baseline Settings (no change) | |

- ◆ **Disabling Content by Age:** This new option has been added for managing older content. You can now automatically disable content older than a selected expiration date. This feature will prevent you from deploying old patches and reduce the scope of listings on the Patches tab. For example, you can set third-party installers to automatically disable themselves after six months.

Disable older patches by age

| | OS Vendor | Third Party Vendor |
|---------------------|-----------|--------------------|
| Critical | 8 Years ▼ | 3 Years ▼ |
| Recommended | 2 Years ▼ | 2 Years ▼ |
| Software Installers | 1 Year ▼ | 6 Months ▼ |

For more information about the Patch Management scenarios, see the [ZENworks 11 SP4 Patch Management Reference](#).

2 What's New in 11.4.1

The following sections describe the new features and enhancements in Novell ZENworks 11.4.1:

- ♦ [Section 2.1, “System Requirements,” on page 15](#)
- ♦ [Section 2.2, “Configuration Management,” on page 15](#)
- ♦ [Section 2.3, “Legal Notices,” on page 16](#)

2.1 System Requirements

- ♦ [Section 2.1.1, “Primary Server Support,” on page 15](#)
- ♦ [Section 2.1.2, “Managed Device Support,” on page 15](#)
- ♦ [Section 2.1.3, “Browser Support,” on page 15](#)

2.1.1 Primary Server Support

For information, see [ZENworks 11 SP4 System Requirements](#).

2.1.2 Managed Device Support

- ♦ Windows 10 x86, x86_64 (Professional, Education, Enterprise, and Enterprise LTSC editions)
- ♦ SLES 10 SP3 and SP4 x86, x86_64
- ♦ Macintosh 10.11.x (EL Capitan)

For more information about system requirements, see [ZENworks 11 SP4 System Requirements](#).

2.1.3 Browser Support

In ZENworks 11.4.1, the following web browsers are supported:

- ♦ Firefox ESR version 38.3
- ♦ Firefox version 40.x and 41.x

For information about all the supported browsers, see [Administration Browser Requirements](#) in [“ZENworks 11 SP4 System Requirements.”](#)

2.2 Configuration Management

- ♦ [Section 2.2.1, “MDT Deployment Bundles,” on page 16](#)
- ♦ [Section 2.2.2, “Telemetry,” on page 16](#)
- ♦ [Section 2.2.3, “ZENworks Source,” on page 16](#)

2.2.1 MDT Deployment Bundles

ZENworks 11.4.1 supports the deployment of the Windows operating system using Microsoft Deployment Toolkit (MDT). The supported version is Microsoft Deployment Toolkit (MDT) 2013 Update 1. The MDT Deployment Preboot bundle category allows you to upload and replicate the MDT WIM files to the required ZENworks Primary and Imaging Satellite servers.

For more information, see the [ZENworks 11 SP4 Preboot Services and Imaging Reference](#).

2.2.2 Telemetry

Telemetry enables Novell to collect statistical data about your usage of ZENworks. This data will enable us to ensure that you have the best possible experience with ZENworks.

For more information, see the [ZENworks 11 SP4 Management Zone Settings Reference](#).

2.2.3 ZENworks Source

The new ZENworks source enables you to track license compliance status of Novell ZENworks software. For this, you should know the sources of ZENworks domains and then configure the License Information Source (LIS).

For more information, see the [ZENworks 11 SP4 Asset Management Reference](#).

2.3 Legal Notices

Novell, Inc. makes no representations or warranties with respect to the contents or use of this documentation, and specifically disclaims any express or implied warranties of merchantability or fitness for any particular purpose. Further, Novell, Inc. reserves the right to revise this publication and to make changes to its content, at any time, without obligation to notify any person or entity of such revisions or changes.

Further, Novell, Inc. makes no representations or warranties with respect to any software, and specifically disclaims any express or implied warranties of merchantability or fitness for any particular purpose. Further, Novell, Inc. reserves the right to make changes to any and all parts of Novell software, at any time, without any obligation to notify any person or entity of such changes.

Any products or technical information provided under this Agreement may be subject to U.S. export controls and the trade laws of other countries. You agree to comply with all export control regulations and to obtain any required licenses or classification to export, re-export, or import deliverables. You agree not to export or re-export to entities on the current U.S. export exclusion lists or to any embargoed or terrorist countries as specified in the U.S. export laws. You agree to not use deliverables for prohibited nuclear, missile, or chemical biological weaponry end uses. Please refer to the [Novell International Trade Services web page \(http://www.novell.com/info/exports/\)](http://www.novell.com/info/exports/) for more information on exporting Novell software. Novell assumes no responsibility for your failure to obtain any necessary export approvals.

Copyright © 2015 Novell, Inc. All rights reserved. No part of this publication may be reproduced, photocopied, stored on a retrieval system, or transmitted without the express written consent of the publisher.

For Novell trademarks, see the [Novell Trademark and Service Mark list \(http://www.novell.com/company/legal/trademarks/tmlist.html\)](http://www.novell.com/company/legal/trademarks/tmlist.html).

All third-party trademarks are the property of their respective owners.

3 What's New in 11.4.2

The following sections describe the newly supported platforms and enhancements in ZENworks 11.4.2:

- ◆ [Section 3.1, “System Requirements,” on page 17](#)
- ◆ [Section 3.2, “Patch Management Improvements,” on page 18](#)
- ◆ [Section 3.3, “Non-driver Files Signed with SHA-2 Code Signing Certificate,” on page 19](#)
- ◆ [Section 3.4, “Legal Notices,” on page 19](#)

3.1 System Requirements

- ◆ [Section 3.1.1, “Tomcat 7.0.61 is updated to Tomcat 7.0.68,” on page 17](#)
- ◆ [Section 3.1.2, “Support for New Platforms,” on page 17](#)
- ◆ [Section 3.1.3, “Support for New Administration Browsers,” on page 18](#)

3.1.1 Tomcat 7.0.61 is updated to Tomcat 7.0.68

ZENworks 11.4.2 updates Apache Tomcat version 7.0.61 to version 7.0.68 to accommodate the following security vulnerabilities:

- ◆ CVE-2015-5174 Apache Tomcat Limited Directory Traversal
- ◆ CVE-2016-0706 Apache Tomcat Security Manager bypass
- ◆ CVE-2016-0714 Apache Tomcat Security Manager Bypass
- ◆ CVE-2015-5346 Apache Tomcat Session fixation
- ◆ CVE-2015-5351 Apache Tomcat CSRF token leak
- ◆ CVE-2016-0763 Apache Tomcat Security Manager Bypass

3.1.2 Support for New Platforms

In ZENworks 11.4.2, the following platforms are supported:

- ◆ SLES 12 SP1 x86_64
- ◆ SLED 12 SP1 x86_64 (applicable for managed devices and satellite servers only)
- ◆ Open Enterprise Server 2015 x86_64 (applicable for managed devices and satellite servers only)

For more information about the system requirements, see [ZENworks 11 SP4 System Requirements](#).

IMPORTANT

- ◆ The SLES 12 operating system does not support imaging operations (take and restore). Also, ZENworks Patch Management is not supported on SLES 12 SP1 x86_64.
-

3.1.3 Support for New Administration Browsers

In ZENworks 11.4.2, the following web browsers are supported:

- ♦ Firefox ESR version 38.x and 45.x
- ♦ Firefox version 44.x and 45.x

3.2 Patch Management Improvements

ZENworks 11.4.2 Patch Management speeds up performance and adds three new features: SLES 12 patch support, patch policy notification and cancel options, and a configuration option to clean up old patch bundles.

3.2.1 Performance Improvements

Performance improvements include pre-computed responses to speed up server performance and enhanced vulnerability detection to speed up client performance.

Pre-Computed Responses

When the number of patches within a given Patch Policy increases to a sizeable amount, the load on the ZENworks Server is high as it needs to cater to on-demand Patch Policy computation requests from every managed device. This in turn results in an increased response time between the ZENworks server and the managed device.

To address these issues, Patch Policies are now pre-computed, which eliminates the need for on-demand computation requests. These pre-computed responses are compressed and saved in the database. This reduces the size of the data transferred from the ZENworks server to the managed device, thereby improving the capability of the ZENworks server to apply patches on the managed device.

In order to benefit from this feature, this update has to be applied to the managed devices as well.

Enhanced Vulnerability Detection

Patch detections now complete more quickly due to some behind-the-scene improvements that increase the speed of patch detections.

3.2.2 SLES 12 Support

This release adds patch support for SUSE Linux Enterprise Server 12.

To patch these endpoints, register your endpoints using YaST, register them with SUSE Customer Center (<https://scc.suse.com/login>), and then add your Customer Center credentials to the Subscription Service Settings.

3.2.3 Patch Policy Notification and Cancel Options

When configuring a patch policy deployment, you can now configure the deployment to notify users that a new patch policy is being applied to their workstation. Additionally, you can configure the patch policy to allow users to cancel application of the policy.

3.2.4 Cached Patch Bundle Cleanup

ZENworks Patch Management now features an option that automatically deletes old patches for previous deployments. Use this feature to prevent cached patches from consuming excessive disk space on your server.

3.2.5 New Patch Reports

Five new reports are available for Patch Management in ZENworks 11 SP4 update 2.

- ♦ **DAU Status:** Includes a pie chart that shows how many days since the Discover Applicable Updates (DAU) task was run on agents in the management zone (those greater than 7 days and those from 1-3 days).
- ♦ **Device Status:** Provides a date-time stamp by device name for the following status indicators: Last Contact Date, Last Full Refresh, Last Inventory Scan, and Last DAU.
- ♦ **Overall Patch Percentage:** Lists the total number of devices, Patched and Not Patched, with their respective percentages. The percentages are also reflected in a pie chart.
- ♦ **Patch Percentage by Folder:** Shows the number of devices patched and not patched in each folder with a percentage of those not patched.
- ♦ **Not-Patched Patches by Device:** Provides a table for each device in the management zone that shows patches that are not patched, to include patch names, release dates, impacts, and vendors.

NOTE: After updating or installing ZENworks 11.4.2, you will need to configure the ZENworks Reporting Appliance to have access to the new reports. See [Reconfiguring ZENworks Reporting](#) in the *ZENworks Reporting Appliance 5.6.1 Deployment and Administration Reference*.

3.3 Non-driver Files Signed with SHA-2 Code Signing Certificate

We had been signing our files using the SHA-1 code signing certificate. However, from January 1, 2016 onwards, Windows 7 and later versions will no longer trust non-driver files that are signed with the SHA-1 code signing certificate and time stamped with a date later than January 1, 2016. Taking this into consideration, we have now used SHA-2 code signing certificate for signing non-driver files in this release.

3.4 Legal Notices

For information about legal notices, trademarks, disclaimers, warranties, export and other use restrictions, U.S. Government rights, patent policy, and FIPS compliance, see (<https://www.novell.com/company/legal/>).

Copyright © 2016 Novell, Inc. All Rights Reserved.

