



Release Notes

ZENworks Patch Management 6.4 SP2

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Release Notes

Server Requirements

Minimum Hardware Requirements

The hardware requirements for ZENworks Patch Management 6.4.2 SP2 vary depending upon the number of devices you manage. As the device count increases, so do the requirements. The following, minimum hardware requirements, will support up to 250 devices:

- A single 1.4 GHz Pentium or equivalent processor
- 1024 MB RAM
- 36 GB of available disk space
- A single 100 Mbps network connection (with access to the Internet)

For optimal performance please refer to the settings defined under *Recommended Configuration* on page 3.

Supported Operating Systems

ZENworks Patch Management 6.4.2 SP2 is supported on the following Operating Systems:

- Microsoft Windows Server™ 2003, Web Edition with SP1 or later
- Windows Server 2003, Standard Edition with SP1 or later
- Windows Server 2003, Enterprise Edition with SP1 or later
- Windows Server 2003 R2, Standard Edition (SP2 optional but recommended)
- Windows Server 2003 R2, Enterprise Edition (SP2 optional but recommended)

NOTE: ZENworks Patch Management must be installed on an Operating System that uses any English locale (en-US, en-UK, en-CA, etc.) in its default configuration and is not a domain controller.

NOTE: Prior to installing ZENworks Patch Management 6.4.2 SP2, you must also install the **Update for Windows Server 2003 (KB925336)** available from [Microsoft Knowledge Base Article #925336](#).



Other Software Requirements

ZENworks Patch Management 6.4.2 SP2 requires the following software:

- Microsoft® Internet Information Services (IIS) 6.0
- Microsoft ASP.NET
- Microsoft® .NET Framework version 1.1 SP1 and 2.0 (both versions are required)
- Microsoft Internet Explorer 6.x or higher
- Microsoft SQL Server (any version) must not be installed unless installed by a previous version of ZENworks Patch Management

Supported Database Servers

ZENworks Patch Management 6.4.2 SP2 is supported on the following database servers:

- Microsoft SQL Server 2005 Express Edition with SP2 or later.
- Microsoft SQL Server 2005 Standard Edition with SP2 or later.
- Microsoft SQL Server 2005 Enterprise Edition with SP2 or later.

NOTE: ZENworks Patch Management installs SQL Server 2005 Express Edition with SP2 during installation. Therefore, you must not have any database server installed prior to the installation of ZENworks Patch Management.



Recommended Configuration

Novell recommends the following hardware and software configurations for ZENworks Patch Management 6.4.2 SP2:

Table 1-1: ZENworks Patch Management 6.4.2 SP2 Recommended Configuration

Number of Nodes	< 1,000	< 2,500	< 5,000	< 10,000	> 10,000
Operating System	Windows Server 2003, Web Edition with SP2	Windows Server 2003, Web Edition with SP2	Windows Server 2003, Web Edition with SP2	Windows Server 2003, Standard Edition with SP2	Contact Novell Professional Services.
Database Server	SQL 2005 Express	SQL 2005 Express	SQL 2005 Express	SQL 2005 Standard	
Processor	1 - 2.4 GHz	1 - Pentium 4	1 - Dual Core, Non-Xeon	2 - Dual Core Xeon	
RAM	1 GB	2 GB	2 GB	4 GB	
Storage	1 - 36 GB Hard Drive	1 - 72 GB Hard Drive	2 - 144 GB Hard Drives	4 - 144 GB Hard Drives	

NOTE: Refer to the [Novell Knowledge Base \(http://www.novell.com/support/\)](http://www.novell.com/support/) for additional configuration recommendations.



Agent System Requirements

The following section lists the hardware and software requirements for the Patch Management 6.4.2 SP2 Agent.

NOTE: You must disable any virus-scanning software prior to the installation of the Patch Management Agent. Failure to do so may result in an unsuccessful agent installation.

Agent for Windows

The Agent for Windows system requirements are as follow.

- Local or Domain Administrator or administrator equivalent user rights.
NOTE: The install (and uninstall) must be done by an Administrator or administrator equivalent user.
- A 500 MHz Processor or higher.
- Minimum of 256 MB of RAM.
- Minimum of 20 MB of free disk space for installation.
- Sufficient free space to download and install patches (varies dependent upon the size of the patch).
- Windows Installer 2.0 or higher.
- Microsoft Internet Explorer 5.01 or higher (Internet Explorer 5.5 or higher if using SSL).
- 10 Mbps network connection to your Patch Management Server (6.4.2 SP2 or higher).



Agent for Linux, Unix, and Mac

The Agent for Linux, UNIX, and Mac system requirements are as follow.

- Superuser privileges on the target computer.
NOTE: The install (and uninstall) must be done by the root user (superuser).
- Minimum of 2 MB free disk space for the text-based installation.
- Minimum of 20 MB free disk space for the graphical installation.
- A 500 MHz Processor or higher.
- Minimum of 256 MB of RAM.
- 10 Mbps network connection to your Patch Management Server (6.4.2 SP2 or higher)
- Sufficient free space to download and install patches (varies dependent upon the size of the patch).
- Presence of `/tmp` directory (`/var/tmp` directory on Solaris) for temporary file storage and processing.

NOTE: There must be no whitespaces (such as a space, tab, or newline character) in the absolute path of the installation directory.

Agent Supported Operating Systems

The following table lists the supported platforms on which the Patch Management Agent is supported.

Table 1-2: Agent Supported Operating Systems

Operating System	OS Versions	OS Edition	OS Data Width	Proc. Family	Proc. Data Width	Min. JRE
Apple Mac OS X	10.3 - 10.5.x	All	32/64 bit	x86(Intel)/ PowerPC	32/64 bit	1.4.0
HP-UX	11.00 - 11.31	All	64 bit	PA-RISC	64 bit	1.4.0
IBM AIX	5.1 - 6.1	All	32/64 bit	PowerPC	32/64 bit	1.4.0
Microsoft Windows 9x	98 Second Edition	All	32 bit	x86	32 bit	N/A



Operating System	OS Versions	OS Edition	OS Data Width	Proc. Family	Proc. Data Width	Min. JRE
Microsoft Windows NT	4.0 SP6A - 2003 R2	All ⁽¹⁾	32/64 bit	x86	32/64 bit	N/A
Microsoft Windows XP	All	Pro ⁽²⁾	32/64 bit	x86	32/64 bit	N/A
Microsoft Windows Vista ⁽⁴⁾	All	Business Enterprise Ultimate	32/64 bit	x86	32/64 bit	N/A
Microsoft Windows Server 2008 ⁽⁴⁾	All	Web ⁽³⁾ Standard Enterprise	32/64 bit	x86	32/64 bit	N/A
Novell Netware	6.5	All	32 bit	x86	32 bit	1.3.0
Novell SUSE Linux	9 -10	Enterprise	32/64 bit	x86	32/64 bit	1.4.0
Red Hat Linux	3 - 5	Enterprise AS, ES, WS	32/64 bit	x86	32/64 bit	1.4.0
Sun Solaris	8 - 10	All	32/64 bit	SPARC/ x86	32/64 bit	1.4.0
<p>(1) The Datacenter editions of this OS family are not supported. (2) Home, Media Center, and Tablet PC editions are not supported. (3) The Datacenter and Core Editions of this OS family are not supported. (4) Windows Vista and Windows Server 2008 support requires .NET 3.0.</p>						
<p>NOTE: Red Hat Enterprise Linux and Sun Solaris support requires additional configuration steps. Please refer to the Supporting Red Hat Enterprise and Sun Solaris Agents section of the ZENworks Patch Management 6.4.2 SP2 User Guide for additional details.</p>						



Agent Supported Languages

ZENworks Patch Management Agent 6.4.2 SP2 is supported on the following languages:

- en-AU: English (Australia)
- en-BZ: English (Belize)
- en-CA: English (Canada)
- en-JM: English (Jamaica)
- en-NZ: English (New Zealand)
- en-ZA: English (South Africa)
- en-GB: English (United Kingdom)
- en-US: English (United States)
- es-ES: Spanish (Spain)
- fi-FI: Finnish (Finland)
- fr-FR: French (France)
- de-DE: German (Germany)
- it-IT: Italian (Italy)
- ja-JP: Japanese (Japan)
- ko-KR: Korean (Korea)
- nl-NL: Dutch (Netherlands)
- pt-BE: Portuguese (Brazil)
- sv-SE: Swedish (Sweden)
- zh-CN: Chinese (Simplified)
- zh-CHS: Chinese (Simplified)
- zh-TW: Chinese (Traditional)
- zh-CHT: Chinese (Traditional)

Upgrading to Patch Management 6.4.2 SP2

In order to upgrade to ZENworks Patch Management version 6.4.2 SP2, you should be running Patch Management Server 6.4 or 6.4 SP1, and perform the following.

- Download and install the ZENworks Patch Management 6.4.2 SP2 installer.



New Features

ZENworks Patch Management 6.4.2 SP2 includes the following new features:

- **SCM: Support for Oval 5.5** - Support for SCAP Checklist using Oval 5.5 Definitions.
- **SCM: SCAP Checklist Deletion** - Remove obsolete SCAP Checklist from the system with column sorting to quickly identify SCAP Checklist that are currently in use.
- **VMware Guest System Grouping** - Automatically identify VMware guest images for easier management of virtual systems.
- **IP Grouping Optimization** - Faster system response time when rendering the IP Address Collection Tree.
- **IP Grouping Activation / Deactivation** - Checkbox control added to configure the system to stop rendering the IP Collection. Removes the IP Collection Group from the Web UI for users to do not manage by IP Address Range.
- **Increased UNIX Support** - Patch Management support now available for HP-UX 11.31 and IBM AIX 6.1
- **Increased Linux Support** - Patch Management support now available for RHEL 5 x86 and x86_64
- **Integrated Credentials Management** - New credential manager which securely stores user credentials to download entitled patches from Red Hat Network and Sun Solve. See [KB672](#) for more details.

Issues Resolved

The following issues have been resolved in ZENworks Patch Management 6.4.2 SP2.

- ZENworks Patch Management 6.4.2 SP2 includes the issues resolved in Security Configuration Management 1.2 Patch 1. See [KB628](#) for more details.
- ZENworks Patch Management 6.4.2 SP2 includes the issues resolved in ZENworks Patch Management 6.4 SP1 Update 2. See [KB600](#) for more details.
- On the Groups page: Compliance summary may time out on Patch Management servers with large node counts.
- Deployments page may present slowness on Patch Management Servers with large deployment and/or agent counts.
- Unable to save reboot duration to hours or days in mandatory baseline
- On Mac OS X the Agent may incorrectly report service inventory with memory address and PID



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- After rebooting the Red Hat 5 Server, the agent may be unable to resolve a 'Dirty-R' status.
 - On HP-UX 11.31, the default BOOTDIR is set to non-existent directory.
 - On Solaris, the Discover Applicable Updates (DAU) 'Nice Value' is interpreted incorrectly.
 - Security Configuration benchmarks that are added to the Global System Policy will populate to agents, but will not produce results.
 - On Win2K3 standard SP-1, Vista Business, or Vista Enterprise 64-bit operating systems, the Maximum Password Age for client agents is incorrectly displayed as 0.
 - Security Options Settings test results are missing for the Vista Business and Vista Enterprise operating systems.
 - Policies assigned to the IP Collection group are not inherited by the child members of the IP Collection group.
 - Administrators are unable to edit the reboot notification duration. It is always five minutes.
 - Groups with identical names, but varied tree structure are listed identically in the **Edit a Role** wizard, making it difficult to distinguish between groups. Identically named groups should be avoided.
 - Some profiles with a status of "Not Applicable" appear in the fully expanded list when the **Exclude Non-Deterministic Results** check box is selected on the **Compliance Detail** view for groups.
 - The **Device Details Page** does not list the Microsoft Windows version (such as Enterprise, Standard, Web Edition).
 - Uninstalling ZENworks Patch Management may not remove the `%PROGRAMFILES%\PatchLink` folder.
 - The Proxy password may not be saved correctly during server installation.
 - Upgrading an SSL server may display an error indicating that the Certificate must be installed although the certificate is already installed.
 - Upgrading the Agent for Windows may require a reboot.
 - ZENworks Patch Management installation does not warn users that system does not meet minimum memory requirements.
 - Non-Admin users cannot open the Novell ZENworks Control Panel applet.
 - Installing an English version of Microsoft Office on a Chinese Microsoft Windows operating system may cause the Discover Applicable Updates task to report the language incorrectly.
 - The New Agent Registration alert may not send an e-mail as expected.



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- Upgrading from ZENworks Patch Management 6.3 to 6.4 SP2 may result with two server icons on the user's desktop.
 - Within the Agent for pre-Vista Windows, modifications to the Proxy settings may not save.

Known Issues

ZENworks Patch Management 6.4.2 SP2 contains the following known issues.

NOTE: The known issues listed below are cumulative and may include issues discovered in a previous release of ZENworks Patch Management.

- The Linux, Unix, Mac Agent may display the message "Cannot download ExtensionList.xml" after executing the "./patchservice detect" command.
- Importing the standard 1.1 combined SCM archive may fail.
- If the PatchLink user's password contains a space, the installation may not create the required system groups.
- E-mail notification may not provide group notifications as expected.
- Disabled vulnerabilities can be assigned to Mandatory Baselines.
- The uninstall flag is not supported on Red Hat Enterprise Linux.
- Mandatory baseline items, that are disabled due to failed deployments, may still be deployed to agents that were added to the group after the items were disabled.
- Administrator and Custom users with the "Manage Users" access right can be removed from Patch Management Server.
- The **Minimum File Size** field on the **Edit a Policy Set** page remains active and accepts a value when the **Maximum File Size** field is set to 0, which disables bandwidth throttling.
- The Date Range report parameter appears multiple times on the **Deployment Error Report**. It should only appear once.
- The uninstaller does not remove Microsoft WSE 2.0 SP3 Runtime and ReplicationServices components.
- Devices that have not had a security configuration assessment ran against them show "1/1/0001 12".
- In the **Windows Administrative Tools Event Viewer**, errors appear in the Novell ZENworks Event Log after clicking the **Update Now** button on the **Subscription** page to begin replication.
- Clicking the expand button on the **Deployment Membership** page will cause an "Error loading data" error after a timeout.



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- A warning message does not appear when you navigate away from the Manage view of the **Mandatory Baseline for Groups** page without saving your changes.
 - Part of the **Offline Agents** graph on the **Home** page is truncated.
 - An SSL-enabled Agent will not work if the certificate uses a fully qualified domain name.
 - Clicking the expand button on the **Policies** page after a system timeout results in a message stating "There was an error loading your data. Please try again". Click the **Home** button to display the standard timeout page, then log in again.
 - Although the http:// protocol is required, failing to include the protocol in the **License URL** field of the **Package Editor** does not display an error message.
 - Clicking the expand button on the **Packages** page after a system timeout results in a message stating "There was an error loading your data. Please try again". Click the **Home** button to display the standard timeout page, then log in again.
 - Groups with names exceeding 1,000 characters display incorrectly.
 - Disabled custom roles appear in the **Role Template** dropdown menu in the **Create a Role** and **Edit a Role** wizards.
 - Clicking the expand button on the **Vulnerabilities** page after a system timeout results in a message stating "There was an error loading your data. Please try again". Click the **Home** button to display the standard timeout page, then log in again.
 - Package download may not resume when interrupted by a manual reboot
 - The **Inventory Collection Options** field of a custom Policy Set may show as *Not Assigned* even after defining **Inventory Collection Options**.
 - Users may not be prompted to save changes when browsing away from a page.
 - All event sources may not get recorded correctly within the Event log.
 - Agent may not set the Fastpath value if an invalid server is used.
 - Device Services Inventory may not correctly report the service state.
 - When entering WMI Fingerprints, semicolons cannot be used.
 - The FastPath Server information may not be displayed properly in control panel.
 - The silent uninstall may not completely uninstall the agent.
 - Users cannot log in to the server using a user name that contains unicode characters.
 - The **Proxy URL** must be formatted as "http://" or "https://".
 - It may be possible to start multiple instances of the Update Agent installer.
 - Packages named using Double-byte characters may not display correctly.



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- The **Package Deployment Options** window may truncate the Operating System information.
 - The ZENworks Patch Management installation **Password Complexity** warning provides incorrect instructions.
 - During agent installation the **Server** and **Proxy** information entered is not validated.
 - The TAB key may not change focus within the installer.
 - The ZENworks Patch Management Installation does not write entries to the **Application Event Log**.
 - Users can start multiple instances of the Patch Management Agent for Windows MSI installer.
 - Selections made on previous pages may not be remembered as users page through the interface.
 - When exporting Mandatory Baseline information, all Agent details may not export.
 - The Context Sensitive help shows an incorrect path and filename for some log files.
 - Windows Agent Hardware Inventory may not return results from IDE ATA/ATAPI controllers.
 - Agent Hardware Inventory detection may not return results from USB interfaces.
 - Chinese characters may not display properly within ZENworks Patch Management.
 - The **Package Editor** does not validate the **License URL** when entered.
 - Re-selecting the **Allow Use of WMI During Inventory Collection** checkbox does not automatically select the associated WMI Inventory items.
 - Windows 98SE may display an error when closing the Control Panel applet.
 - Although unsupported, the 32-bit Agent for Windows can be installed on a 64-bit operating system.
 - Although unsupported, the Agent for Windows can be installed on a mapped network drive which will result in errors during operation.
 - Users may receive a version conflict error after attempting to rollback to ZENworks Patch Management v6.3 after upgrading to v6.4 SP2.
 - Reports do not validate that the Start date is prior to the End date.
 - The Event Log does not have a description for Event ID (0) or Event ID (256).







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