



# Take Advantage of One Unified Management Console and Agent with Novell® ZENworks® 11

**Novell ZENworks 11 is a comprehensive suite of identity-based products that manage and secure devices across physical, virtual and cloud environments.**

Since Novell® ZENworks® 7 launched in 2006, the ZENworks family of products has provided thousands of businesses with an increasingly robust and diverse set of identity-driven device configuration management, asset management and patch management capabilities. In 2007, Novell ZENworks 10 added a new web services-based architecture, expanded directory support and a new endpoint security offering to the mix—along with a long list of important new features.

Now, Novell ZENworks 11 is taking this popular and rapidly growing family of systems-management products to the next level—by integrating them all into a single policy-based platform; providing unified management for a wider range of Windows\* and Linux\* devices; and making it easy to extend automated device management across physical, virtual and cloud environments. That means moving to ZENworks 11—either from an earlier version of ZENworks or from another systems-management product—creates intriguing new possibilities for reducing IT complexity, boosting end-user productivity and ultimately bringing your IT department into closer alignment with your business goals.

This white paper explores the possibilities in more detail by providing a detailed overview of the new features and capabilities you'll find in the Novell ZENworks 11 and its individual products.

## **Novell ZENworks 11: Unified Endpoint Management for Heterogeneous Environments**

Novell ZENworks 11 is built on an identity-based, heterogeneous endpoint management technology that includes a unified console

(ZENworks Control Center), a single ZENworks Adaptive Agent and ZENworks server software. This new, more integrated approach accomplishes three important goals:

- *First, it allows you, to control all of your endpoint configuration management, asset management, patch management and now endpoint security management functions through a single unified management console—and create policies that cross traditional ZENworks product and functional boundaries.*
- *Next, it consolidates a wide range of configuration, asset, patch and now security management functions into a single endpoint adaptive agent, so you no longer have to worry about deploying and updating multiple agents for different ZENworks products.*
- *Finally, it extends ZENworks configuration, asset and patch management capabilities to both Windows and Linux endpoints, so you can manage and secure a wider range of endpoint devices using the same unified console.*

Bringing different ZENworks products together into the same integrated console—and then extending those capabilities to a wider range of endpoint platforms and devices—has obvious implications for reducing IT complexity, lowering costs and saving time. And when you combine this integrated new platform with ZENwork's unique policy- and identity-based approach to device management, you get an even more automated and comprehensive solution.

Most ZENworks products, including ZENworks Configuration Management 11, ZENworks Patch Management 11, ZENworks Asset

Management 11 and now ZENworks Endpoint Security Management 11 are part of the ZENworks 11 management console. Each of these products adds important capabilities to the overall solution. And each offers an impressive list of new features and capabilities in its own right.

## The ZENworks 11 Unified Console

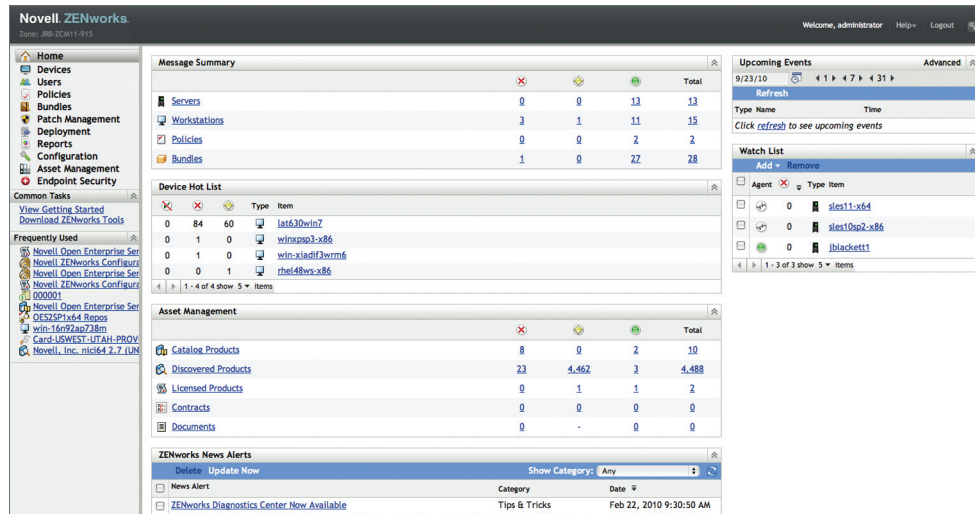


Figure 1. The ZENworks 11 management console integrates configuration, asset, patch and endpoint security management into the same unified console.

### What's New in the Novell ZENworks 11 Console?

- One unified web-based, management console for configuration, asset, patch and now endpoint security management
- A single adaptive agent
- Location awareness for ZESM and now ZCM, ZAM and ZPM

### Novell ZENworks Configuration Management 11

The Novell ZENworks 11 family starts with ZENworks Configuration Management 11, an improved and enhanced version of the popular and proven Novell cross-platform systems-management solution. The latest version of ZENworks Configuration Management automates and enforces IT management processes across the lifecycles of devices in physical, virtual and cloud environments. Unlike other products, which only focus on physical devices, it empowers the most important assets in your organization: your users. ZENworks Configuration Management's unique identity-based management capabilities also make sure that employees remain productive by providing them with precisely the tools they need—regardless of what devices they use or where they choose to work.

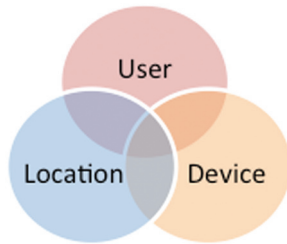
### New Core Capabilities

ZENworks Configuration Management 11 starts with new core capabilities that make the product even more intelligent, flexible and scalable. These include:

- **Location awareness** for both Windows and Linux systems. This unique ability to use information about location—together with information about users and devices—adds a whole new dimension to the product's identity-based approach to management. With these new location awareness capabilities, you can create policies that use a device's location to find the closest servers, control bandwidth throttling and more. Location awareness is also available in ZENworks Asset Management and ZENworks Patch Management.

## Adding the Third Dimension to Policy-based Systems Management

Novell ZENworks 11 combines information about users, devices and location to make systems management more efficient and effective.



- **Bundle and policy change management** capabilities that help ensure configuration changes are only deployed to your production network when you officially publish them. This makes it easy to create and test the effects of configuration changes without disrupting live systems or interfering with the flow of business.
- **Administrative group enhancements** that allow you to leverage Novell eDirectory™ and Microsoft\* Active Directory\* groups as ZENworks Configuration Management administrative groups.
- **Support for a 64-bit JVM on 64-bit hardware and OS**, which allows you to fully leverage the latest, most advanced hardware and create an even more scalable solution.
- **Action-level system requirements** that give you more flexibility when it comes to building bundles for software delivery.
- **Manual device creation and reconciliation** capabilities that allow you to pre-create devices and then have them reconcile based on Serial number, MAC address and/or Hostname.

### Enhanced Linux Capabilities

ZENworks Configuration Management 11 offers integrated Windows and Linux management through the same console. ZENworks Configuration Management also provides a number of additional new and enhanced Linux device management features, including:

- **Discovery of Linux devices** using Secure Shell (SSH).
- **Deployment of the ZENworks Configuration Management Adaptive Agent** to Linux devices using SSH, YaST®, YUM or a single file download.
- **Full inventory capabilities for Linux devices**, including full hardware and package inventories, device change tracking and the ability to map purchases to installed packages.
- **Linux operating system deployment** with full support for the delivery of SUSE®

Linux Enterprise and Red Hat\* Enterprise Linux through either AutoYaST or KickStart. ZENworks Configuration Management also supports bare metal Linux provisioning to Dell\* PowerEdge\* servers, full support for ZENworks system variables within AutoYaST and Kickstart, and improved Linux imaging capabilities for imaging EXT3 and ReiserFS partitions.

- **Package and Repository management** that allows you to graphically configure, bundle and control Linux application repositories, packages and bundles, including YUM, Novell Updates (NU), Red Hat Network (RHN) and ZENworks Linux Management formats. ZENworks Configuration Management 11 also makes it easy to deploy packages and files while simultaneously performing configuration tasks, centrally configure external repositories using external service policies, and export bundles and bundle groups to the YUM format for easy consumption by unmanaged Linux devices. Finally, ZENworks Configuration Management 11 introduces ZENworks Application Windows, which brings the full power of Novell Application Launcher (NAL) to the Linux desktop.
- **Remote Management capabilities** that make integrated VNC and SSH clients available from within the centralized Novell ZENworks Control Center.
- **Puppet policies** that allow you to leverage the configuration management capabilities of the puppet project to configure your devices.

### Expanded Reporting Server Features with ZENworks Reporting Server

Novell ZENworks 11 builds on the reporting capabilities in previous versions—with an enhanced reporting service that's built on the latest version of the BusinessObjects Reporting Engine and offers full support for SUSE Linux Enterprise 11. With these new reporting capabilities, you can collect and analyze information in many different

areas—either by building customized reports or by leveraging an expanded set of canned reports. These include:

- **Endpoint security policies** that gather detailed information about endpoint security policy compliance.
- **Power-management policies** that collect information about power policies and the “green” capabilities of your endpoints.
- **Subscriptions policies** that gather detailed information for Linux repository subscriptions and subscription status.

### New Power-management Features

The Green IT movement is exploding as IT organizations work to use conservation to both lower costs and meet their organizations’ environmental goals. Novell ZENworks Configuration Management 11 can make a significant contribution to those efforts— with significant new power-management and reporting features. These capabilities allow you to create policies that set up Windows power-management settings and perform out-of-band power-management tasks using Intel\* vPro\* technology.

### The Novell ZENworks 11 Family of Products

- Novell ZENworks Configuration Management 11
- Novell ZENworks Endpoint Security Management 11
- Novell ZENworks Patch Management 11
- Novell ZENworks Asset Management 11

## ZENworks Configuration Management 11 Power Management

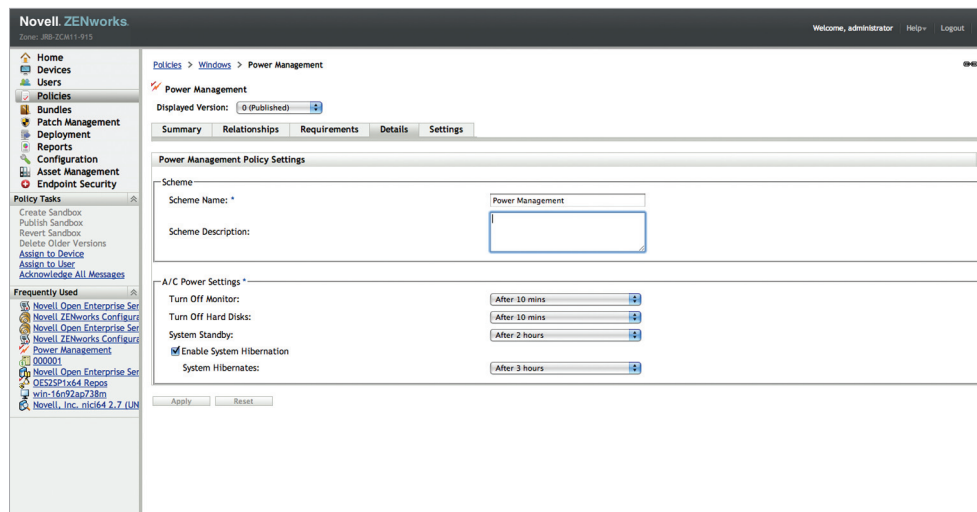


Figure 2. Novell ZENworks Configuration Management 11 makes it easy to set and enforce power-management policies and comply with your organization’s Green IT initiatives.

### Novell ZENworks Patch Management 11

Novell ZENworks Patch Management 11 brings accurate, automated patch assessment, monitoring and remediation capabilities under the unified ZENworks 11 console. That means you can now manage all your Linux and Windows patches from the same unified ZENworks 11 console. In addition, ZENworks Patch Management 11 includes a number of significant new features and capabilities, including:

- **Cross-platform patch management** that includes support for a complete range of Windows operating systems, SUSE Linux Enterprise Server 10 and 11, SUSE Linux Enterprise Desktop 10 and 11, and Red Hat Enterprise Linux.

## The Novell ZENworks 11 Edge

- Increase end-user productivity by making sure users have what they need to work
- Reduce costs with integrated management for any platform, device or location
- Mitigate risks with identity-based security across all endpoints and locations
- Align IT with business objectives with a strategic, unified, policy-based approach to systems management

- Promotion of configuration management bundles that allows you to quickly identify devices on your network that need specific bundles and then target those devices for deployment.
- Automated e-mail notifications that inform you when new patches are available.
- Enhanced reporting capabilities that give you deeper insights into the patch status and security posture of your network.

## Integrated Cross-platform Patch Management

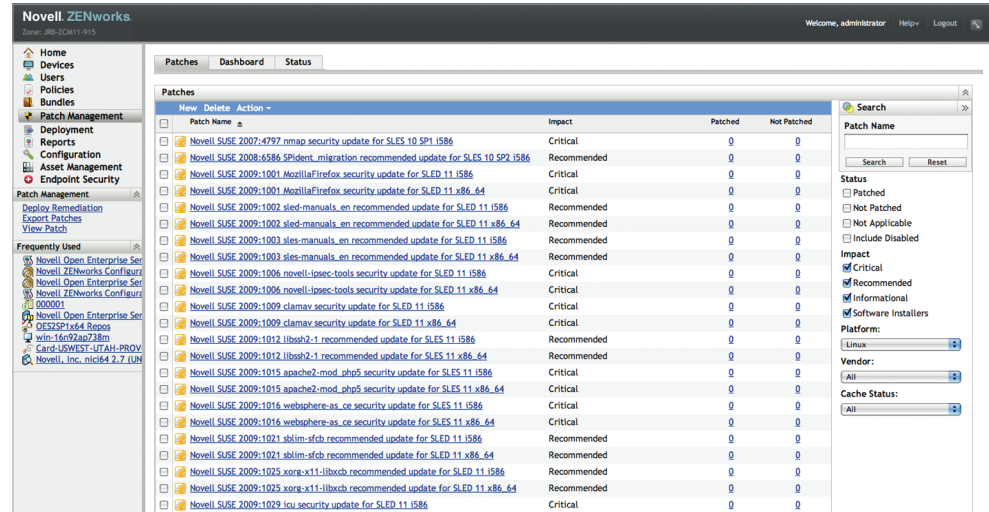


Figure 3. Novell ZENworks Patch Management 11 allows you to manage and deploy Windows and Linux patches through the same unified console.

## Novell ZENworks Endpoint Security Management 11

Like ZENworks Patch Management, ZENworks Endpoint Security Management is a fully integrated part of the ZENworks 11 console, which means you deploy a single adaptive desktop agent for both endpoint configuration and security management, and you use a single unified console to manage all your endpoint configuration and security policies and capabilities. This integration also means ZENworks Endpoint Security Management can take advantage of the ZENworks 11 platform's location awareness capabilities to help enforce endpoint security policies. Finally, ZENworks Endpoint Security Management 11 supports more devices, policy types, security controls and reporting functions than ever before. This includes:

- Support for 10 different policy types, including application control, communication hardware, data encryption, firewall, location assignment, security settings, storage device control, VPN enforcement and Wi-Fi security.
- Lockdown driver-level enforcement of your endpoint security policies, including the ability to define granular, feature-specific security settings for each device.
- Expanded reporting capabilities that leverage the BusinessObjects Enterprise engine to deliver robust canned reports and provide the ability to quickly build custom reports involving any endpoint management security policy. This includes a range of useful new power management and subscription status reports.

- **Improved encryption** *that includes support for user-defined secondary decryption passwords, multiple safe harbor definitions for each policy, sub-folders for safe harbor locations and a new copy standalone decryption tool.*
- **Enhanced firewall features** *that give you the ability to disable the Windows firewall, update registrations in the Windows Security Center and input ranges for IP. ZENworks Endpoint Security Management also now allows you to white list RSD by description in the preferred device list.*

### **Expanded Security and Control Capabilities**

Compared to earlier versions, ZENworks Endpoint Security Management 11 offers you greater security control over a wider range of devices, networks and information. This includes:

- **New USB device management features** *that allow you to control what devices or types of devices users are allowed to access.*
- **Storage management capabilities** *that give you complete control over access to storage devices and control AutoPlay.*
- **Enhanced Wi-Fi management** *that allows you to limit access to protected networks and specific access points.*
- **Layer-2 firewall capabilities** *that give you complete control over all incoming and outgoing traffic on managed devices.*
- **VPN enforcement** *that allows you to force the use of VPN in specified locations.*
- **Improved application control** *that gives you the option to restrict execution of—or prohibit Internet use by—any application.*

- **New data encryption capabilities** *that allow you to configure the encryption of removable devices.*
- **Client self defense** *that effectively prevents users from tampering with the security enforcement components of the ZENworks agent.*

### **Novell ZENworks Asset Management 11**

The latest release of ZENworks Asset Management, integrated with the ZENworks 11 console adds integrated asset management capabilities for both Windows and Linux. That means you can inventory and manage all your Windows and now inventory your Linux devices through the same unified console. ZENworks Asset Management 11 also offers license reconciliation capabilities that can create an accurate inventory and normalize licensing data from across your organization, match products discovered on your network with purchased licenses, show how they relate to each other and place them in the context of your overall licensing program.

### **Make the Move to Novell ZENworks 11 Today**

When you put all these new features and capabilities together—and place them in the context of the integrated and unified ZENworks 11 console—it quickly becomes obvious that the latest family of ZENworks products can make a major, positive impact on your IT environment. Find out how Novell ZENworks 11 can help your organization find new ways to control costs, boost productivity and increase the value of your IT assets—and take control of systems management across all your physical, virtual and cloud environments.

For more information, visit: [www.novell.com/products/zenworks](http://www.novell.com/products/zenworks)

[www.novell.com](http://www.novell.com)



Contact your local Novell  
Solutions Provider, or call  
Novell at:

1 800 714 3400 U.S./Canada  
1 801 861 1349 Worldwide  
1 801 861 8473 Facsimile

**Novell, Inc.**

404 Wyman Street  
Waltham, MA 02451 USA