

## Novell® Open Enterprise Server

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The freedom of Linux\* with the security and reliability  
of Novell services and support



“We believe Linux is among the most powerful and disruptive emerging technologies in the world today. ... By offering a hybrid solution of open source and proprietary software, Novell will be the first company to provide a tightly integrated stack of enterprise-quality software running on Linux for network management.”

Robert W. Baird & Co  
Equity Research Firm

**Novell.**

## Adding Linux to your IT environment

If you're like most IT professionals, you understand the value open source products offer your organization: faster innovation, lower costs, greater security and freedom to choose the best solutions for your needs. But you're also responsible for keeping scores of applications available and thousands of users productive; you've learned to be cautious when introducing new technologies. Will your key applications run on Linux? Will file, print and other network services behave normally, and will they be easy to manage for thousands of users? Can you manage Linux servers with familiar tools? Will a Linux migration disrupt user productivity? Will it fit into a mixed environment of Windows\* and Linux desktops? Is there training available for your staff, and whom will you call for expert support?

At Novell, we know firsthand both the power of open source development and the must-run reality of enterprise IT management. We're committed to making Linux and open source a practical, no-risk option for companies of every size. We're bringing together the Linux and open source products that technology managers want and adding the proven, scalable networking services and global support they need. The result is Novell® Open Enterprise Server.

Novell Open Enterprise Server is a secure, highly available solution that combines proven services for application delivery, networking, communication and collaboration in an open, easy-to-deploy environment. It delivers the most reliable and secure networking services in the industry. You can choose to deploy those services on the trusted Novell

NetWare® platform; on SUSE® LINUX Enterprise Server 9, the leading open platform for business-level applications; or on a combination of the platforms—whichever meets your organization’s needs. And, in addition to the general low cost that Linux offers (in part because it runs on commodity hardware, increasing the life of the hardware you already own), Novell Open Enterprise Server adds value to Linux by offering unprecedented:

- **Flexibility.** You choose the hardware and software vendors that you want—not the ones your platform locks you into. Plus, this platform can change and evolve with your business as it grows.
- **Reliability.** With Novell Open Enterprise Server, Linux is enterprise-ready. Novell brings a proven history of delivering reliable, high-quality and rigorously tested software to the market’s hottest technology.
- **Security.** Novell protects your investment with our award-winning support, training and consulting services.

In short, Novell Open Enterprise Server provides an ideal platform for the organization that wants open source choice and flexibility without sacrificing enterprise-class networking services or the support of an industry-leading solution partner.

#### APPLICATION SUPPORT THROUGH SUSE LINUX ENTERPRISE SERVER 9



If your wish list for a new network platform begins and ends with improved application support, then you’ve come to the right platform. For your Linux applications, Novell Open Enterprise Server includes the complete SUSE LINUX Enterprise Server 9 for Intel\* processor-based x86 systems and gives you the following benefits:

##### An Open, Flexible Platform for the Most Popular Commercial Applications

With a 12-year track record of reliable performance, SUSE LINUX now offers its latest version: SUSE LINUX Enterprise Server 9. This version is the first Linux distribution to meet the latest government security requirements, including the Common Criteria (CC) Common Access Protection Profile (CAPP) Evaluation Assurance Level (EAL) 4. Additionally, SUSE LINUX Enterprise Server 9 is supported by key hardware vendors and over 1,000 applications from more than 300 software vendors. Hardware and application support comes from leading ISVs and IHVs, including BEA, Computer Associates, Dell, EMC, HP, IBM, McAfee, Oracle, SAP, Veritas, VMware and many others.

#### Thousands of Open Source Applications

In addition to the enterprise application support for SUSE LINUX Enterprise Server, you can also take advantage of the literally thousands of open source applications available today. Open source has exploded in popularity and, as a result, in the number of applications available at the time of this publication:

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4,432 Perl/CGI applications

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10,643 PHP applications

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1,630 Java applications

Source: HotScripts.com

#### Finally, an Open Alternative to Microsoft\*

If you are looking to move away from Windows, finding an alternative application environment is only part of the solution. You need a complete, open replacement that will minimize the reliability, security, licensing and proprietary lock-in headaches that you currently experience with Microsoft products. For instance, you can replace your Microsoft SQL database with the popular MySQL\* or PostgreSQL on Linux. Or, when it comes to Web services, you can use Mono®, Java\*, J2EE\*, Novell exteNd™ App Server or JBoss\* instead of .NET. Novell Open Enterprise Server lets you take advantage of the cost benefits of Linux, frees you to develop new partnerships and provides the optimal solution by including a fully integrated suite of the most popular and widely used open source technologies.

#### ADDING VALUE TO LINUX

While SUSE LINUX Enterprise Server 9 and the application choice it provides are major components of Novell Open Enterprise Server, the solution goes far beyond applications or a choice in platform. In fact, Novell Open Enterprise Server offers five key combinations of services that add value to Linux, all of which can be added to your current environment as you need them—without ripping and replacing.

“Novell Open Enterprise Server on Linux is simply an amazing product. It not only provides the NetWare core services but has the potential to replace every Microsoft server in our enterprise, which will simplify administration and reduce risk. Novell Open Enterprise Server not only provides all the services you would receive from a Microsoft operating system, but it goes beyond by implementing industry standards in an open, flexible, yet compliant manner.”

Roger Fenner  
Infrastructure Services Manager  
Comair



## Management Scalability

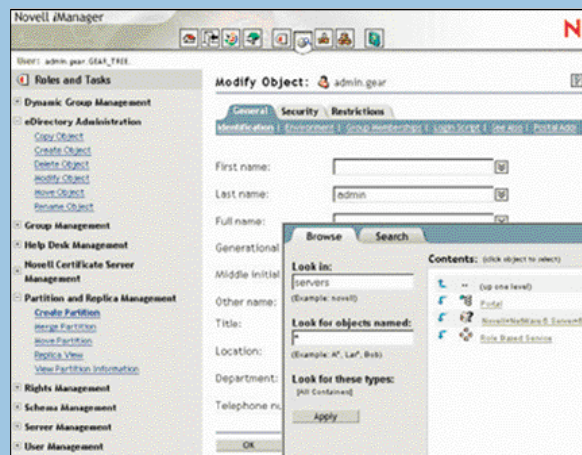
Novell Open Enterprise Server supports the enterprise need for administration scalability and access control of file services, print services, applications, collaboration, security and storage. Through technologies and services like health monitoring, Novell iManager, Novell Storage Services™ and components of ZENworks® Linux Management, Novell Open Enterprise Server provides the following:

- **Centralized Management of Services.** Manage multiple servers and services at a time through centralized browser-based management tools.
- **Delegated Administration.** Delegate administration authority to others in the organization who are owners of various services. This allows IT staff to focus on more strategic initiatives.
- **Group-based Administration.** Policy-based administration simplifies management and eliminates the chore of having to manage one individual or server at a time.
- **Proactive Management and Monitoring of Services.** Monitor your server infrastructure and services so you can spot potential situations before they become truly problematic.

### Browser-based Management

Novell Open Enterprise Server drives efficiency and economy through Novell iManager. iManager provides your IT staff with a simple, secure, browser-based tool for managing resources—including security, users, groups,

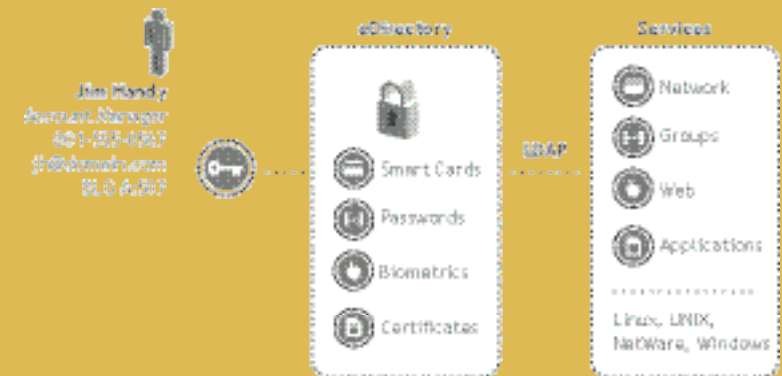
directories, storage, servers and printers—in globally distributed environments of mixed Linux and NetWare servers. Novell iManager provides a global view of your network, allowing you to proactively assess and respond to your changing network demands. iManager also lets you delegate administration tasks like resetting passwords or adding network printers so you can focus on strategic projects that more directly affect your company's bottom line. This centralized Web-based management also helps you eliminate both administrative redundancy and unnecessary travel, saving time and money.



## Global Security

Novell Open Enterprise Server provides identity-based services and common management tools for controlling, securing and administering the enterprise. Data protection, Novell eDirectory™, Novell Modular Authentication Services, Novell Nsure® Identity Manager 2 components and NetStorage—all in Novell Open Enterprise Server—provide the following:

- **Global Identities.** Provide global identities for users and the distributed services they access.
- **Centrally Managed Security Policies.** Eliminate potential security hazards in a distributed environment. Policy-based security allows you to set the standard for access and security control while allowing you the flexibility to adjust for specific needs.
- **Granular Access Control to Data and Services.** Advanced authentication helps provide further levels of security, yet support for common Lightweight Directory Access Protocol (LDAP) means users still get the information they need.
- **System and Service Reliability.** Novell is known for system and service reliability, expertise now available in Novell Open Enterprise Server.



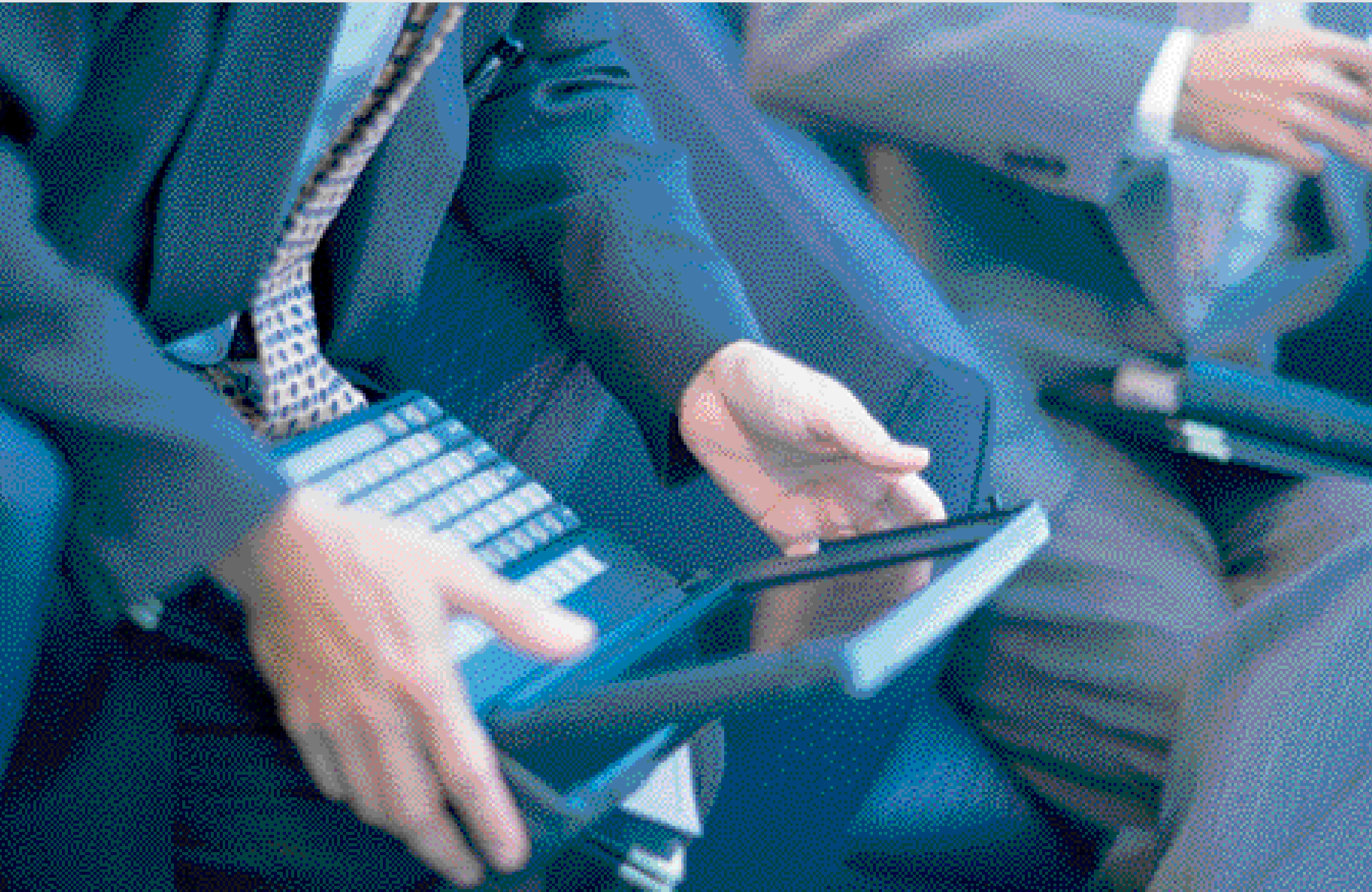
**Directory Integration** Identity management and security services in Novell Open Enterprise Server are provided with the inclusion of Novell eDirectory, the industry gold standard in LDAP directory service products. Novell has been recognized as the directory leader for well over a decade and has pioneered directory innovations. Novell eDirectory allows companies to implement global security policies with multiple levels of security, including smart cards, digital certificates, tokens and more. It also features a distributed architecture with policy-based user and group management and hierarchical rights definitions, providing granular access control and multi-level security in the largest organizations. Novell eDirectory, which supports all major platforms, ensures that the right users can access the right information at the right time.

“The Consolidation Utility is an excellent tool to move servers into a SAN environment. It has saved [me] numerous hours for each server I have moved into our SAN.”

Jeffrey Johnson  
Software Systems Engineer Lead  
University Computing and Communications Services  
**Georgia State University**

“Our executives, who’ve been extremely happy with NetWare, are now open to looking at Linux. By introducing some enterprise-class applications and management into the open source world, Novell is giving Linux what it really needs.”

Danny Wall  
Network Administrator  
**Health First, Inc.**







## Business Continuance

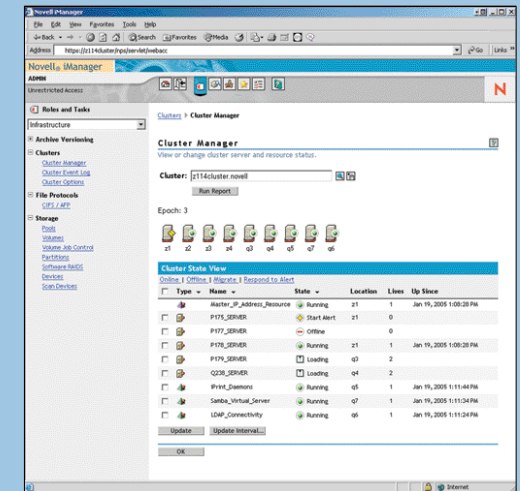
Business continuance is a hot topic in board meetings these days. Government mandates are forcing organizations to give particular focus to how they will ensure that services are always up and running, and insurance organizations are penalizing companies that don't have a disaster-recovery plan in place. Through Business Continuity Clustering, Novell Cluster Services™, low-cost SAN solutions, and backup capabilities, Novell Open Enterprise Server helps organizations ensure that critical systems and data are available at all times and under all circumstances. Novell Open Enterprise Server protects against disaster through the following features:

- **High Availability.** In Novell Open Enterprise Server, you can deploy any number of two-server clusters. Additional servers can be added through the licensing of additional clusters, up to 32 servers in a cluster.
- **Geo-site Failover.** Through Business Continuity Clustering (available through a separate license), geographically dispersed sites can automatically take over a workload should a cluster of servers fail. Automated configuration and management processes save you time, minimize the possibility of human error and lower your total cost of network ownership.
- **Backup.** Snapshot backup capabilities allow you to backup your data at any time and support for numerous third-party backup solutions ensure that your data is current, secure and available whenever you need it.
- **Browser Access to Tools.** Both end users and administrators have browser-based access to the tools they need to be effective. End users can be productive in the event they have to work from home or another location, and IT staff can access, monitor and administer the network from any browser location.

“Novell’s iSCSI implementation is dirt-simple to set up. Point; click; it’s running.”

Michael West  
Network Management  
Center for Information Services  
Alabama Department of Human Resources

Clustering Novell Cluster Services 1.8 is a reliable, cost-effective storage area network (SAN) solution that ensures you can constantly access critical storage resources. It allows your company’s systems to function normally and is particularly helpful in providing secure, uninterrupted access to your organization’s critical data and applications. Using a cluster of servers, Novell



Cluster Services provides failover capabilities for resources with identical configurations on either the NetWare or Linux platforms. Services can failover between the same platforms or a combination of the two. Novell Cluster Services simplifies management, too. Because it provides a remote, single point of SAN administration through Novell iManager, you can manage your SAN and cluster resources from any Java-enabled Web browser. Novell Cluster Services further simplifies administrative processes by leveraging the flexible management capabilities in Novell eDirectory to store all of your network resource information.

Novell Cluster Services provides a highly scalable, always available and easily manageable SAN solution. As a result, your customers receive unmatched service, your employees remain productive and you reduce your total cost of network ownership.

“This is great! Novell Open Enterprise Server combines the world’s best directory service, Novell eDirectory, with the world’s best operating system, Linux!”

Al Hidalgo  
Senior Analyst  
Information Technologies  
University of New Mexico Hospitals

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## WORLD-CLASS SUPPORT FROM A GLOBAL SERVICE ECOSYSTEM

The clear superiority of its application support features and network services notwithstanding, the measure that most clearly distinguishes Novell Open Enterprise Server from other open source network platforms is the breadth of support services and global reach of the Novell enterprise support ecosystem. Novell is the only billion-dollar company with a Linux distribution, a worldwide support ecosystem and a 20-year track record of providing enterprise-class networking solutions and support. Novell offers world-class support to companies of all sizes, including the majority of Fortune 1000 organizations. The comprehensive ecosystem includes the following:

**Training and Certification** Novell is a recognized leader in quality Net solutions training and certification, with more than 1,100 Novell Authorized Education Centers (NAECs) worldwide. Training includes hands-on experience with solutions and individual products to ensure you get the greatest value from your investment. The Novell Certified Linux Engineer (CLE) program helps organizations develop and identify individuals with the necessary skill sets to deploy and manage the Linux platform and services.

**Consulting Services** Novell Ngage<sup>SM</sup> services combine the real-world experience and knowledge of business management consultants around the world to make sure your Novell solution implements industry-best practices. These services are customized to meet your needs and deliver a fast, reliable return on investment.

**Continuing Education** Novell Education keeps you current through solution-focused publications, technical updates, online seminars and self-study courses.

**Technical Support** Novell and its more than 800 Linux-trained technical support professionals are committed to providing the support you need to optimize your solution's performance, security and reliability 24x7x365. Our service channels include a searchable online knowledgebase, discussion forums and dedicated support partners. Novell Premium Service is a tiered model of support offerings that allows you to select the level of support that makes the most sense for your business.

**Hardware/Software Partnerships** Novell DeveloperNet<sup>®</sup> program membership provides a wealth of open APIs, tools, developer training, resources and support.

**Engineering** The Novell engineering team is committed to develop solutions that meet customer needs. We routinely visit with customers, analyze how they use Novell technology and work with them to determine how we can improve the products we deliver.

**Worldwide Solution Partners** With more than 100 offices worldwide, the global Novell ecosystem ensures our customers a world of choice in how they acquire and implement Novell products and solutions. At Novell, we have hundreds of hardware and software technology partners and thousands of solution-provider partners, so you can count on running your favorite applications on your favorite hardware-easily and compatibly. And, should you have questions about your Novell solution, dedicated Novell support professionals stand ready to provide you with answers.

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## AN OPEN AND CLOSED CASE FOR THE OPEN ENTERPRISE

Novell Open Enterprise Server brings together the leading open application platform with proven networking, collaboration, security and storage services. This combination provides a secure, cost-effective, high-performance networking foundation that supports your mixed desktop environment. Confidently deploy Novell Open Enterprise Server and gain the benefits of Linux for your organization, knowing it is backed by a trusted global support ecosystem from Novell.

### Novell Product Training and Support Services

For more information about Novell product training, certification programs, consulting and technical support services worldwide, please visit [www.novell.com/ngage](http://www.novell.com/ngage)

### For More Information

To learn more about how Novell and Novell Open Enterprise Server can bring the benefits of open source products into your organization, contact your local Novell Solutions Provider, or visit the Novell Web site at [www.novell.com/oes](http://www.novell.com/oes)

### You may also contact Novell at

1 888 321 4272 (United States/Canada)

1 801 861 4272 (Worldwide)

1 801 861 8473 (Facsimile)

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