

IBM server systems and Novell



The power of multiple platforms within one Net

Building a better e-infrastructure

With the fast pace of the Internet driving business today, new demands are placed on networks to expand their reach to a variety of users and devices. This demand for access to information from anywhere and at any time makes a high-availability network environment essential. The sheer volume and tendency of that data to grow requires smart storage consolidation. And your ability to keep up with the pace of change in the e-business age depends on smooth integration of all your systems. The heterogeneous mix of operating systems, applications and skill levels of users making up your e-infrastructure requires a collaborative solution. For that, you need partners who work together to make sure your systems do the same.

That's why IBM and Novell® are committed to developing comprehensive solutions, furnishing customers with the confidence that their networks will be up and running when they need them and that their systems will integrate smoothly. IBM and Novell combine the strengths of two industry leaders to satisfy current and future requirements for server hardware, clustering, storing and hosting net services.

Novell Net services software powers disparate types of networks across all leading operating systems to simplify the complexities of the net—securely integrating applications and networks. As a result, customers can adapt rapidly to new opportunities and competitive threats in the net economy. With 4.5 million Novell servers supporting over 80 million users worldwide—including 80% of Fortune 1000 companies—the net economy relies on Novell to keep data flowing. This tried-and-true platform is a paragon of high availability—a natural fit for industry-leading IBM @server systems.

With a range of platforms from the Intel® processor-based IBM @server xSeries servers, to the high-performance IBM @server iSeries systems, the powerful IBM @server pSeries UNIX® servers and the mission-critical data-transaction IBM @server zSeries systems, the IBM @server brand has something to serve virtually every function of your enterprise. Coupled with Novell's focus on simplifying the inherent complexities of a heterogenous environment, there is no partnership better equipped to help you build your highly available e-infrastructure around multiple platforms.

“The strength of the Novell-IBM relationship is that we can deliver robust network services on a strong server platform for virtually any size business.”

Paul Feldman, VP,
Networking Services, Novell, Inc.

Novell®

“The cross-platform nature of Novell solutions, like eDirectory, is well-matched with the wide range of IBM @server systems—which support numerous operating environments.”

Deepak Advani, VP,
High Performance Intel Servers, IBM

IBM and Novell working together

For over 18 years, IBM and Novell have worked closely together, combining engineering, development and performance resources. A team of certified Novell engineers—an integral part of the IBM development organization—test the latest Novell software releases and patches with current and future IBM @server systems to ensure compatibility. They also conduct storage testing, and tune the systems to optimize performance with Novell products such as NetWare® 6, Novell eDirectory™ and Novell Cluster Services™. As a result of this effort, you'll find Novell products validated by the IBM ServerProven® program and scores of certifications for IBM servers and storage products within Novell's Yes, Tested & Approved® program. This mutual certification effort provides our customers with the confidence they need to deploy Novell and IBM solutions together in their mission-critical environments. Additionally, Novell solutions have been validated through the IBM ClusterProven™ program, verifying that the combination of Novell Cluster Services, NetWare and IBM @server xSeries systems provide the ultimate in total system availability and application resiliency.

IBM Server
Proven™

Mutual certification effort provides confidence when deploying Novell and IBM solutions.



The overall results of this collaboration between IBM and Novell are the very benefits every customer is looking for: high availability, extensive scalability and strong security.

High availability

The IBM and Novell clustering solution provides hardware, software, data and application redundancy for high fault tolerance. With xSeries servers and Novell Cluster Services you enjoy high availability from common, readily available components. You are also empowered to manage a cluster from a single point of control, adjust resources to meet changing workload requirements and reduce planned and unplanned outages for maintenance, upgrades or service. Plus, the IBM ClusterProven program reduces the guess-and-test cycle with clearly defined criteria for validating end-to-end clustering solutions that meet industry expectations for high availability.

For environments that need to maximize the power and availability behind the directory in a UNIX environment, Novell eDirectory for AIX® on IBM @server pSeries systems provides the ideal solution. Leveraging the business strength of the AIX platform, Novell eDirectory for AIX lays the foundation for e-business by helping companies take products and services to market faster than their competitors. You can use directory-enabled applications to create secure, customized relationships between your network and those of your customers and partners. You can combine e-business solutions with your partners by setting up mutually beneficial relationships between company networks. The foundation is then laid for establishing business-to-customer relationships and tailoring your customers' business experiences to cultivate a loyalty to your company that will continue as your business changes and expands.



No two industry leaders are better prepared to deliver a comprehensive solution to you than IBM and Novell.



Extensive scalability

The ability to scale up systems as workloads increase is essential in today's 24x7 business environment. The xSeries product line offers extensive scalability and flexibility in its various models to help give you that capability.

From tower or rack-mount universal servers to rack-optimized servers that solve the space dilemma, xSeries systems deliver ultimate scaling potential with up to 8-way SMP (Symmetrical Multi Processing).

And for your spiraling data demands, xSeries options offer expansion capability via products like the EXP300 SCSI expansion unit, which lets you load 14 73.4GB drives for over 1TB of storage. IBM Fibre Array Storage Technology (FAST) solutions also support your growing storage requirements by providing faster access to your data.

Now Novell Storage Services™ (NSS), included with Novell NetWare 5 and 6, enables you to store more files than ever before—with single files as large as 8TB and a virtually unlimited number of directory entries. Because it runs on virtually any amount of memory you have available, Novell Storage Services conserves system resources. With NSS, systems using limited resources perform better, and larger systems deliver even higher performance, granting rapid access to data.

The combination of xSeries servers and options with Novell Cluster Services and Novell Storage Services offers not only high availability, but also room to scale for the growing amount of data your organization produces.

Strong security

With Novell eDirectory Services® and IBM @server systems, you can enjoy superior security, authentication and access control capabilities to strengthen your business relationships without having to worry about the safety of your data. Novell eDirectory is a full-service, platform-independent directory that serves as the foundation for applications that provide crucial e-business functionality such as automated business relationship management, supply chain management and electronic store fronts. You are in complete control of who is allowed access to which information. This means that whether you are currently running NetWare, Microsoft® Windows®, Linux®, AIX, or a mix of these and other popular operating systems, you can safely integrate Novell eDirectory into your environment and realize the productivity benefits a single directory service offers. And, with a variety of systems and operating system support, the IBM @server brand provides the ideal platform for eDirectory regardless of the operating system you choose.

IBM and Novell have a joint commitment to develop comprehensive solutions, giving you the confidence that your network will be up and running when you need it and that all your systems will integrate smoothly. For server hardware, clustering, storing and hosting net services, no two industry leaders are better prepared to deliver a comprehensive solution to you than IBM and Novell, working together to make sure your systems do the same.



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(IBM-Novell solution information)

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