



# POWER SOLUTIONS

DELL.COM/PowerSolutions

## 10 COVER STORY

### GETTING READY FOR MICROSOFT WINDOWS SERVER 2008

By Laine Tsujii; Stephen Miller; Ben May; Jeanne Feldkamp; Jemilson Pierrelouis, Ph.D.; and Tom Kolnowski

Microsoft Windows Server 2008 promises to supercharge enterprise computing by providing a solid foundation to support critical workloads and deliver rich Web-based experiences—all in an exceptionally secure, industry-standard operating environment. Dell smooths the way by providing business-ready platforms optimized for Windows Server 2008 together with Structured Solution Designs to make the migration flexible, simple, and green.

## 16 DELL INFRASTRUCTURE CONSULTING

### SIMPLIFY MIGRATION TO MICROSOFT WINDOWS SERVER 2008

For many enterprises, the biggest hurdle in upgrading to Windows Server 2008 is the complexity of the migration process. Dell helps simplify IT and reduce risk with comprehensive service offerings and a validated, repeatable approach that includes seamless support for integrated Microsoft applications on Dell servers.





**SERVICES SHOWCASE PAGE 96**

## **STREAMLINING CLIENT MIGRATION AND DEPLOYMENT**

Client migrations can put an enormous strain on enterprise resources. The end-to-end Dell Client Migration Solution can help save time and money while relieving network congestion—using patent-pending automation technology to help cut costs by up to 62 percent, shave administrator time by up to 88 percent, and reduce required network bandwidth up to 70 percent for client deployments.

## **NOW PLAYING:**

### **DELL DATACENTER OF THE FUTURE PODCAST SERIES**

Blade servers can be part of an excellent strategy to help increase density and workloads while addressing space limitations. However, dense environments usually lead to increases in power and cooling. “Simplifying Power and Thermal Management with Blade Servers” addresses how administrators can increase productivity and density but still manage power and cooling. For more information, visit [DELL.COM/Podcast](http://DELL.COM/Podcast).

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*By Bhushan Gavankar, Subhashini Prem, and Daniel Moges*

Following best practices can help administrators plan and execute a smooth migration for failover clusters based on Dell PowerEdge servers.

## DELL AND WINDOWS SERVER 2008: THE NEW BENCHMARK

Thanks to a strong partnership with Microsoft and hands-on experience, Dell helps simplify the adoption of the most advanced Windows Server OS ever. Here are the top 10 reasons to migrate to Windows Server 2008—and how Dell can help businesses get the competitive edge out of next-generation networks, applications, and Web services.

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The Dell Premier Pages service combined with VMware virtualization on Dell PowerEdge servers enabled automotive supplier Magna International to take control of its IT procurement processes and streamline its server infrastructure—helping increase efficiency and reduce costs company-wide.



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### DELL POWER SOLUTIONS ONLINE EXCLUSIVES



#### Exploring the iDRAC for Dell PowerEdge Blade Servers

By Jon McGary

The Integrated Dell Remote Access Controllers (iDRACs) in Dell PowerEdge M-Series server blades provide powerful, easy-to-use remote management and configuration options designed to simplify management, increase flexibility, and enhance security in enterprise environments.



#### Introducing the Dell SAS 6 Family of RAID Controllers

By Bhanu Prakash Dixit, Sanjay Tiwari, and Kedar Vaze

The Dell Serial Attached SCSI (SAS) 6/iR family of integrated RAID controllers provides a cost-effective, entry-level RAID configuration and management solution for internal storage on Dell PowerEdge servers and Dell Precision workstations.



#### Modeling the Reliability of RAID Sets

By Abraham Long Jr.

By evaluating the expected reliability of different RAID levels alongside that of other system components and factors such as performance, enterprises can choose a data protection configuration appropriate to their environment and overall IT strategy.



#### Maintaining Dell Platforms with Dell Technical Updates

Recent firmware updates for Dell PowerEdge components and Dell PowerVault storage can help improve system functionality and minimize potential problems.

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By Balasubramanian Chandrasekaran, Brent Douglas,  
Joseph Rispoli, and David Schmidt

The new Dell PowerEdge R805 server is designed and optimized specifically for virtualization. By including VMware integrated virtualization, the PowerEdge R805 enables quick and easy deployment right out of the box, simplified management, and enhanced security, as well as diskless configuration to help reduce power costs.

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 Printed on recycled paper containing 10 percent post-consumer waste.

May 2008

STOCK NUMBER: DPS 2008-05 (MAY 08)