DELL™ POWER SOLUTIONS

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COVER STORY | PAGE 8

Driving Clusters for High Availability and High Performance

The special clustering section in this issue is packed with expert guidance and best-practices techniques to help ensure high availability and high performance in a wide range of enterprise applications. Addressing concerns of small and growing data centers as well as global IT infrastructures, in-depth articles explore how to plan effectively for Microsoft SQL Server 2005 deployments, how to enable grids with Oracle Database 10g RAC, and how to leverage the latest advances in blade server clusters and high-performance computing clusters.

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Deploying and Managing SQL Server 2005 Across the Scalable Enterprise

By Tim Abels

The first in a series presenting prescriptive
architectures and operational techniques designed to realize the
scalable enterprise tenets of simplified operations, improved utiliza-
tion, and cost-effective scaling, this article examines best practices
for deploying and managing Microsoft SQL Server 2005 applications.
Guidelines for integration with Dell management tools and Microsoft
Operations Manager (MOM) are accompanied by practical advice for
efficient cluster and storage management.

End-to-End Change Management with the Dell OpenManage Server Update Utility

By Steve Fagan and J. Marcos Palacios, Ph.D.

The Dell OpenManage Server Update Utility is designed to identify,
view, and automatically apply BIOS, driver, and firmware updates—
helping to streamline the change-management process.

DRAC/MC User Management and Security Configuration

By Anusha Ragunathan and Sanjeev S. Singh

The Dell Remote Access Controller/Modular
Chassis (DRAC/MC) is a critical infrastructure component for
authenticating and authorizing user access to the Dell Modular
Server Enclosure, the chassis that houses Dell blade servers.

Automated BIOS Management Using the Dell OpenManage Deployment Toolkit

**By Zain Kazim, Alan Daughetee,
and Bala Beddhannan**

BIOS management can be a time-consuming and cumbersome task for
enterprise IT administrators. The Dell OpenManage Deployment Toolkit
enhances operational efficiency by enabling automated and scripted BIOS
management for Dell PowerEdge servers—helping administrators per-
form BIOS and configuration updates simultaneously on multiple systems.

Unattended Installation of Dell OpenManage Server Administrator Using the Microsoft Windows Installer Command-Line Interface

By Alex Akinnuoye and Bernard Briggs

Dell OpenManage Server Administrator (OMSA) uses Microsoft
Windows Installer (MSI) technology to perform installations,
upgrades, modifications, and uninstallations on Windows platforms.
Using MSI engine parameters, administrators can set up and custom-
ize OMSA through the OMSA–MSI command-line interface.

Optimizing Console Redirection for Dell PowerEdge Servers Using HyperTerminal and Telnet Clients

By Paul Hoke

Dell PowerEdge servers allow administrators to remotely control
and configure key settings using a variety of interfaces. This article
describes procedures to configure and operate HyperTerminal and
Telnet clients to optimize console redirection features.