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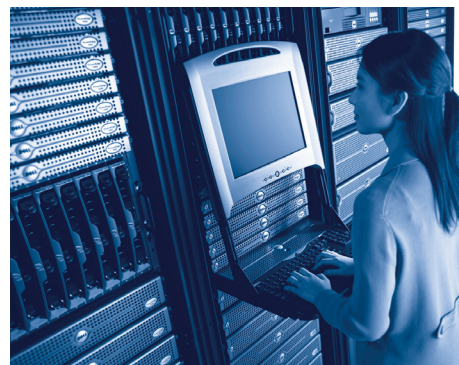
By Narayan Devireddy and Ruoting Huang

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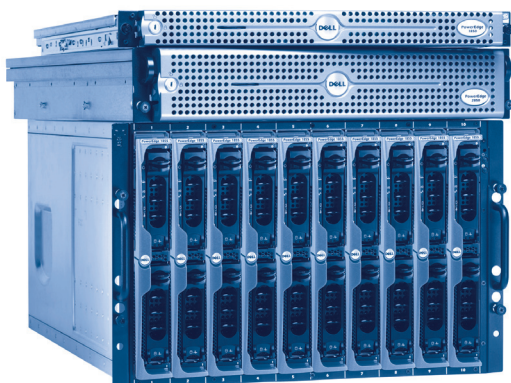
Take Control with Dell Systems Management

By Paul Rubin and Terry Myers

The Dell OpenManage suite, a comprehensive set of industry standards-based tools included with Dell PowerEdge systems, is designed to automate server and client management functions—thereby helping to simplify IT operations throughout the complete system life cycle. In addition, this Dell tool set works with a wide variety of integrated, standards-based management solutions from key Dell partners such as Altiris and Microsoft. Working together, these solutions can enable administrators to respond quickly and flexibly to fast-changing IT requirements, freeing valuable resources to focus on strategic business initiatives.



Simplifying data center operations with Dell's flexible, industry-standard systems management suite



From top: Dell PowerEdge 1850, PowerEdge 2850, and PowerEdge 1855 servers

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August 2005



TALK BACK

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Unattended Management of the Dell OpenManage Server Administrator Life Cycle

By Swee Chew and Bernard Briggs

Beginning with Dell OpenManage 4.3, IT administrators can enhance efficiency when managing their installed base of Dell OpenManage Server Administrator software by using the Microsoft Windows Installer service and Windows Management Instrumentation. This article provides technical guidance that can help administrators achieve a high degree of automation throughout the Dell OpenManage life cycle.



Enabling Memory Reliability, Availability, and Serviceability Features on Dell PowerEdge Servers

By Qingsong Li and Utpal Patel

The memory subsystems on Dell PowerEdge 1850, PowerEdge 2800, and PowerEdge 2850 servers are designed to support reliability, availability, and serviceability (RAS) features such as error-correcting code, chip fail correct, spare banks, and mirroring. This article describes RAS features in detail, explaining how they are enabled, how they can affect available system memory, and how they can help to minimize system downtime caused by memory errors.



A Technical Overview of the Dell Modular Server Enclosure and I/O Modules

By Michael Brundridge, Babu Chandrasekha, Jyeh Gan, and Abhishek Mehta

The Dell Modular Server Enclosure is designed to be a high-performance, highly integrated system. This article discusses various aspects of this modular system's shared chassis and I/O components, including interconnections and redundancies as well as interfaces that can be used to configure the shared components.



Enabling Demand-Based Switching in Red Hat Enterprise Linux 4 on Dell PowerEdge Servers

By Jordan Hargrave

Demand-based switching (DBS) techniques are designed to help minimize data center power and cooling requirements, which can lead to lower IT costs. This article describes DBS features and utilities enabled by the Red Hat Enterprise Linux 4 OS when running on Intel Xeon processor-based Dell PowerEdge servers.



The Open Source DVD Store Test Application

By Dave Jaffe, Ph.D., and Todd Muirhead

The DVD Store e-commerce application, used as a test workload in many recent Dell white papers and demonstrations, has been released to the general public under the open source GNU General Public License (GPL). The code, in the form of compressed tar files, is now available from linux.dell.com/dvdstore. This article explains how the test application can be used.