



# POWER SOLUTIONS

TRANSFORMING YOUR IT FRAMEWORK INTO A SCALABLE ENTERPRISE

February 2007

COVER STORY | PAGE 8

## Data Center Efficiency in the Scalable Enterprise

By John Pflueger, Ph.D., and Sharon Hanson

**Energy efficiency is a top concern as IT managers struggle with rising power bills, cooling problems, usage limits imposed by local utilities, or requirements to deploy additional servers without expanding an existing data center or building a new one. To address energy efficiency effectively, data center managers must look at a variety of issues ranging in scope from the smallest piece of silicon to the entire data center.**

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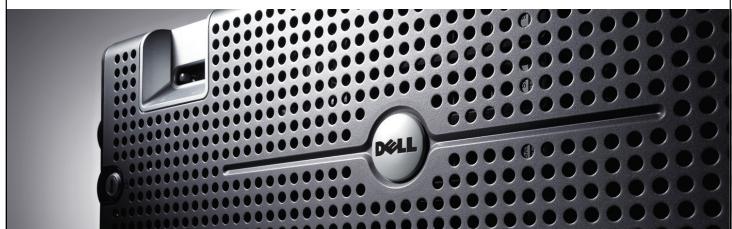
AMD Opteron processors and AMD PowerNow! technology with Optimized Power Management in Dell PowerEdge servers help avoid unnecessary energy consumption and cooling costs in enterprise data centers.

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### Efficient Power Management on Dell PowerEdge Servers with AMD Opteron Processors

By Manoj Gujarathi, Lisa Garrison, and Jordan Hargrave

IT administrators can manage power efficiently by enabling AMD PowerNow! technology on AMD Opteron processor-based PowerEdge SC1435 and PowerEdge 6950 servers.



The power-friendly Dell PowerEdge 6950 server provides outstanding performance per watt for demanding enterprise applications. See page 24.

## Dell OpenManage Newsletter

Join us in a one-on-one dialogue with the people who are architecting Dell's management strategy for the scalable enterprise. This issue focuses on Dell and Altiris tools that offer a comprehensive approach to client management throughout the enterprise.



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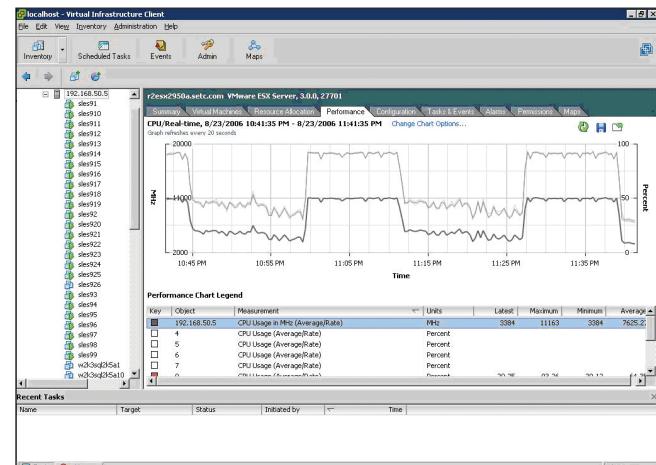
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Monitoring processor utilization with the VMware Virtual Infrastructure 3 virtualization suite. See page 28.

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The Dell PowerVault NX1950 is a unified network storage solution that simultaneously stores both file and application data and supports a wide range of operating environments and communication protocols, including Internet SCSI (iSCSI). See page 43.

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#### Configuring Dell OpenManage IT Assistant to Monitor Non-Dell Servers

By Saiprasad S.

Dell OpenManage IT Assistant 8.0 introduces the Simple Network Management Protocol (SNMP) Event Source Import utility, which allows administrators to import multiple event source definitions from non-Dell servers.



#### Configuring Favorite Application Launch Points in Dell OpenManage IT Assistant

By Manoj Poonia

Dell OpenManage IT Assistant 8.0 enables administrators to configure launch points for management applications and tools for discovered networked devices.



#### Introducing Dell SAS RAID Storage Manager for Dell PowerEdge SC Servers and Dell Precision Workstations

By Manjusha Gopakumar and Gagan Shrestha

The Dell Serial Attached SCSI (SAS) RAID Storage Manager application enables administrators to configure, monitor, and manage storage configurations on SAS controllers, physical drives, and virtual disks.



#### Creating Fault-Tolerant Xen Virtualization at the Network Adapter Layer

By Scott Collier and Brian Gaubreau

Using the Linux bonding driver with standardized networking configurations enables highly available, fault-tolerant physical layers for Xen guest domains.



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