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FEATURE SECTION: MICROSOFT EXCHANGE

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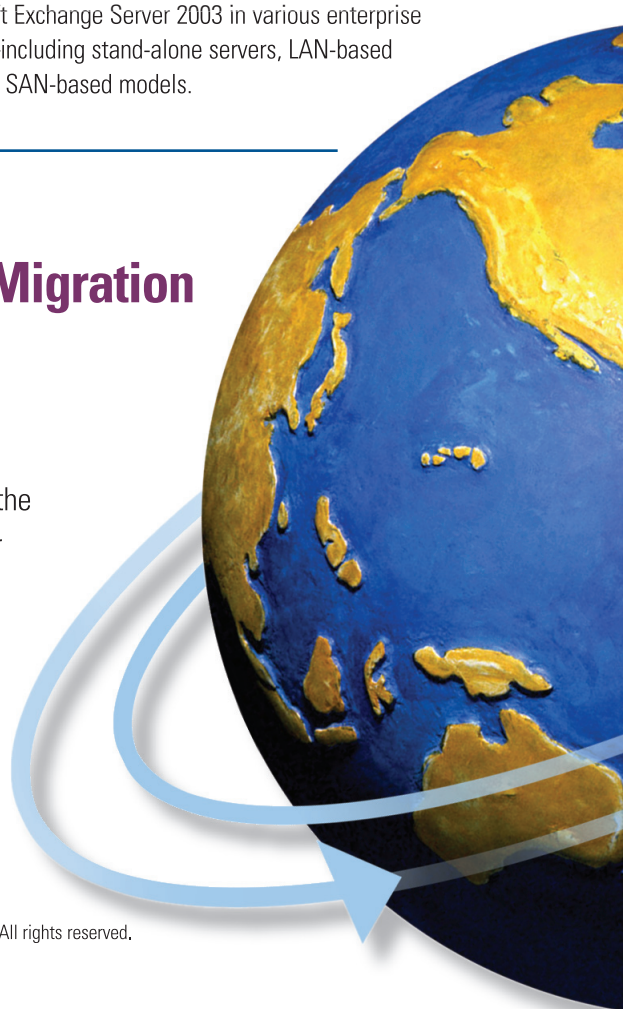
Best Practices for Managing a Global Migration to Microsoft Exchange Server 2003

By Jesse Freund, Tyrone Freitas, and Kathryn White

The Dell IT operations team is the first to hear about lost revenue when the company's business-critical messaging infrastructure goes down. So over the years it has developed well-honed strategies for managing an enterprise-wide Microsoft Exchange Server migration. This article shares Dell's insider perspectives on how to mitigate the risks associated with such a huge, worldwide undertaking—including best practices that show how enterprises can minimize the time and expense of their own migration to Microsoft Exchange Server 2003.



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Dell/EMC AX150i networked storage array

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Installing Dell OpenManage Server Administrator Using DSA and DRAC 4

By Kit Lou and Zain Kazim

In Dell OpenManage 4.3, Dell OpenManage Server Administrator (OMSA) introduces native Microsoft Windows and Linux OS installation capabilities that enable quick and flexible OMSA deployment using Dell OpenManage Server Assistant and the Dell Remote Access Controller 4.

Expediting the Change-Management Process Using Dell OpenManage Server Update Utility 1.3

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

Dell OpenManage Server Update Utility 1.3 supports the SUSE Linux Enterprise Server 9 and Microsoft Windows Server 2003 R2 operating systems—allowing administrators to customize component updates, including rollback, to help simplify operations and streamline change management.

Security Best Practices for Dell OpenManage Applications

By Jason D. Norman and Rohit Sharma

Dell OpenManage applications enable management, monitoring, and updating of Dell PowerEdge servers and attached storage. This article explores best practices for configuring and managing systems running Dell OpenManage software.

Enhancing Remote Management with the Dell OpenManage Remote Access Controller Virtual Media Command-Line Interface

By Kevin R. Webb, Avital Arora, Siobhan Kennedy, and Harish Jayakumar

The Dell OpenManage Remote Access Controller Virtual Media Command-Line Interface helps administrators use scripts to automate repetitive systems management tasks, enhancing flexibility for managing remote systems.

Dynamic DNS Updates Using the Dell Remote Access Controller 4

By Phil Webster and Brian Zhang

The Dynamic Domain Name System (DDNS) update feature of the Dell Remote Access Controller 4 (DRAC 4) combines Dynamic Host Configuration Protocol, Domain Name System, and remote access controller client registration. This article discusses the DRAC 4 DDNS feature and different interfaces used to configure it.

Enhancing Remote Management with Localization Support in the Dell Modular Server Enclosure

By Babu Chandrasekhar and Bala Beddhannan

The Dell Modular Server Enclosure contains the Dell Remote Access Controller/Modular Chassis and the Avocent Digital Access KVM (keyboard, video, mouse) switch. This article describes the localization support available for these remote-management modules.

Management by Contract in the Virtual Data Center

By Jimmy Pike and Tim Abels

Increased competition and globalization are forcing traditional data centers to provide more services while reducing resource costs. This article explores approaches that can enable contract management for disparate services in massive resource pools.

LAMP Performance on Dell PowerEdge 1855 Blade Servers Running VMware ESX Server

By Amresh Singh; J. Craig Lowery, Ph.D.; Rudramuni B.; and Scott Stanford

The Dell Scalable Enterprise Technology Center Labs team ran performance characterization and sizing tests on a Dell PowerEdge 1855 blade server running VMware ESX Server 2.5.1 software to simulate a virtualized LAMP (Linux, Apache, MySQL, and PHP) environment. These test results can help determine the appropriate number of virtual machines to host on ESX Server for a typical transactional LAMP-based workload.

Live Migration with Xen Virtualization Software

By David Schmidt and Puneet Dhawan

For enterprises planning to evaluate Xen in their own environment, this article outlines an evaluation deployment of a LAMP application stack for a live migration setup on a virtual machine using Xen open source software.

Using VMware ESX Server Virtual CPU Shares in a Microsoft Outlook Web Access Environment

By Amresh Singh and Scott Stanford

Dell engineers explored virtual CPU resource-management options and the benefits of using a dynamic resource-allocation mechanism to help meet quality of service requirements for various Internet mail protocol scenarios. In this study, the test team ran the Microsoft Exchange Server 2003 Outlook Web Access front-end service on VMware ESX Server virtual machines that were configured on a Dell PowerEdge 2850 server.

Using Dell OpenManage for Easy Integration and Management of SAS and SATA Storage Hardware

By Nadine Latief and Teresa Taylor

Leveraging advances in Serial Attached SCSI (SAS) technology, Dell OpenManage software can help simplify the configuration and management of SAS and Serial ATA (SATA) storage hardware. This article discusses how the enterprise storage infrastructure can benefit from enhanced Dell OpenManage features.

Migrating from Microsoft Windows 2000 Server to Windows Server 2003 with SP1 on Dell PowerEdge Servers

By Bhushan Gavankar

Microsoft Windows Server 2003 with Service Pack 1 (SP1) offers enhanced file, print, application, Web, and communication services. This article explains best practices for determining system requirements and upgrading to Windows Server 2003 with SP1.

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