



Microsoft® Windows Storage Server™ 2003

A dedicated file server with reliability and scalability you can depend on for your storage needs.

Windows Storage Server 2003 is a dedicated file server that offers dependable storage while integrating seamlessly with existing IT infrastructure to offer the best value for money. Windows Storage Server 2003 is easy to install, easy to manage and offers a wide array of features that simplify file serving and the backup/replication of mission-critical data. Windows Storage Server 2003 is the ideal solution for consolidating multiple file servers into a single device that enables cost reduction and policy-based management of storage resources. Based on Microsoft® Windows Server™ 2003, Windows Storage Server 2003 helps organisations of all sizes to store and protect valuable end user data. From branch office file serving to full integration in the data centre, Windows Storage Server 2003 is the dependable choice in storage.

Windows Storage Server 2003 incorporates advanced features like the ability to create an intelligent infrastructure for creating point-in-time copies of a single volume or multiple volumes using Volume Shadow Copy Services (VSS). Other advanced availability features such as file replication, server clustering and multi-path support make Windows Storage Server 2003 one of the most flexible solutions for safe-guarding your data. Because solutions based on Windows Storage Server 2003 are preconfigured, they can be deployed out of the box in minutes and their Web user interface makes management easy. Windows Storage Server 2003 integrates with commonly used network environments and standard management software, as well as Microsoft® Active Directory® service. Preconfigured solutions based on Windows Storage Server 2003 are available from industry-leading OEMs in sizes ranging from a few hundred gigabytes to several terabytes providing dependable storage for the whole organisation from the workgroup level all the way to the data centre.

Dependable

HIGH RELIABILITY. Access stored files with more reliability using a Windows operating system that is dedicated to file serving by including only the processes that are relevant to that task, therefore improving robustness. Built-in hardware redundancies are included in most solutions to provide a fully redundant architecture.

AVAILABILITY. Create high-availability solutions with native support for multi-nodes (up to eight) failover clustering. With support for Multi-Path IO (MPIO) from host to storage, highly available solutions at the data transport level (up to 32 paths to storage supported) can also be implemented. The ultimate in high-availability solutions are built by coupling these features with the Distributed File System (DFS) ensuring availability at the file and physical device level.

FAST DATA RECOVERY. Restores deleted or corrupted data within minutes using VSS, instead of the hours it takes to restore from tape. VSS coordinates with backup applications and storage hardware to enable application-aware data management providing a high fidelity backup and recovery solution. VSS can store up to 512 total point-in-time copies (64 per volume).

REPLICATION.* Increase data availability and provide disaster recovery by creating multiple copies of data on remote servers over Local Area Networks (LANs) or Wide Area Networks (WANs) using an integrated technology solution.

Integrates Seamlessly

SEAMLESS INTEGRATION INTO IT INFRASTRUCTURE.

Heterogeneous support allows data to be shared amongst different platforms through the integration of CIFS (SMB), NFS, AppleTalk and Netware protocols. This, coupled with the native integration with Active Directory service, eliminates the need for network changes when deploying storage devices based on Windows Storage Server 2003.

INTEGRATES WITH EXISTING IT INVESTMENTS. Server management tools (Microsoft Systems Management Server, Tivoli, HP OpenView) and existing anti-virus software are fully compatible with Windows Storage Server 2003 so you can take advantage of your current investment. Windows Storage Server 2003 also integrates natively with Active Directory, enabling the use of Group Policy Objects, Kerberos Authentication and Encrypted File System to preserve data security in the IT infrastructure.

* Most configurations-check with your OEM.

NAS-SAN INTEGRATION. For organisations that have deployed a SAN, Windows Storage Server 2003 is the perfect choice to act as a gateway to that SAN. Windows Storage Server 2003 utilises the enhanced support for SAN in Microsoft Windows Server 2003: remote boot, flexible volume mounting and enhanced driver model to support SAN devices. Now both clients and applications servers can be integrated into a truly centralised storage environment for optimum storage utilisation.

iSCSI SUPPORT. Windows Storage Server 2003 supports the iSCSI protocol making it easy to integrate in IP data transport environments.

Best Value for Money

LOW ENTRY COST AND LOW INSTALLATION COST. Windows Storage Server 2003 enables solutions with some of the lowest costs per gigabyte in the industry. These solutions can be deployed in minutes by using the Web interface to connect to the network, join an Active Directory Domain (or local workgroup), add users, create shares and select file-sharing protocols. This adds up to a very quick installation at low cost.

REDUCE OVERALL MANAGEMENT COST-LOW TOTAL COST OF OWNERSHIP (TCO). Consolidating multiple file servers to a single device running Windows Storage Server 2003 reduces server management overhead and associated IT staff costs. Devices can also be managed remotely through a Web user interface simplifying maintenance and providing centralised control of processes like backup, restore and upgrades. Overall management overhead and TCO are reduced.

SCALABLE SOLUTION TO GROW WITH YOUR BUSINESS.

Windows Storage Server 2003 enables IT administrators to manage growing amounts of data easily and to take advantage of high scalability to expand storage capacity as needed. With this scalability, a "pay as you grow" strategy can be implemented to use the storage hardware resources efficiently.

What's New in Microsoft Windows Storage Server 2003?

- VSS for fast restore of your data.
- Enhanced file serving performance.
- Improved availability with support for MPIO.
- Better integration with SANs including the capability of being a gateway to multi-vendor SANs.
- iSCSI support.

For More Information

A scalable solution based on Windows Storage Server 2003 is available to meet your needs, whether you're a small business looking for a cost-effective heterogeneous file server, a medium-sized business wanting to ensure high availability of data or a large enterprise seeking to consolidate many file servers from various platforms.

To learn more about Windows Storage Server 2003 and our leading OEMs solutions, visit www.microsoft.com.au/windowsserver/storage

Deployment Scenarios

FILE SERVING. Deploy an optimised file server to address growing storage requirements. Data protection features and support for multiple file protocols makes Windows Storage Server 2003 the ideal solution for heterogeneous file serving.

SERVER CONSOLIDATION. Consolidate multiple file servers to reduce costs and improve availability. Windows Storage Server 2003 is a proven solution for server consolidation, with customers realising the benefits of improved reliability, easier management and lower TCO.

BACKUP/RESTORE AND REPLICATION. Enable rapid restoration of mission-critical data. Windows Storage Server 2003 can be used for backup of multiple production servers without taking them offline. Achieve high data availability through replication across multiple sites using integrated technology solutions from industry partners.

NAS/SAN INTEGRATION. Provide a highly scalable file serving environment while using existing SAN investments. Integration with Active Directory services enables data security and ease of management.

For more information


To learn more about Windows Server 2003 storage capabilities visit www.microsoft.com.au/windowsserver/storage

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