

Microsoft®
Windows Server™ 2003



**Simplify Migration & Coexistence.
Simplify Infrastructure
Management & Operations.
Choose the platform leader.**

[www.microsoft.com/windowsserver2003/
migrate/novell/default.mspx](http://www.microsoft.com/windowsserver2003/migrate/novell/default.mspx)

What Customers Are Saying

"After taking a thorough look at other solutions available, including open source alternatives, we decided to go with Windows Server 2003 for our file and print services."

—Dan Zadra, Senior Systems Manager, Technical Services, CUNA Mutual Group

[www.microsoft.com/resources/casestudies/CaseStudy.
asp?CaseStudyID=15431](http://www.microsoft.com/resources/casestudies/CaseStudy.asp?CaseStudyID=15431)

"By migrating our file and print services to the Windows Server platform, we get a simpler, cleaner infrastructure with less redundancy."

—Hamid Saoudian, Development Director, Salt Lake

[www.microsoft.com/resources/casestudies/CaseStudy.
asp?CaseStudyID=15516](http://www.microsoft.com/resources/casestudies/CaseStudy.asp?CaseStudyID=15516)

The scalable, reliable enterprise operating system for mid-size to large organizations.

Designed for medium to large businesses, Microsoft® Windows Server™ 2003 is the operating system designed for servers running applications such as networking, messaging, inventory and customer service systems, databases, e-commerce Web sites, and file and print servers.

- **Ease of Use**—Easy to migrate to as well as easy to install and manage, Windows Server provides an environment that increases end-user productivity.
- **Familiarity**—The Microsoft Windows® operating system is an environment that you and your end users are familiar with, thereby enabling easy and smooth migration.
- **Training & Tools to Migrate**—Microsoft and industry partners provide step-by-step guidance, services, support, and training to enable successful migration to Microsoft Windows Server 2003.
- **Next-Generation File Services**—(see table) With integrated *Windows SharePoint® Services*, Windows Server 2003 enables richer document sharing and collaboration by setting up team portals and document workspaces.
- **Easy Identity Management**—The Microsoft solution for identity and access management is based on the *Windows Server Active Directory®* service and *Microsoft Identity Integration Server* and provides centralized management for multiple platforms, a rich partner ecosystem, and customer-proven best practices for planning and implementation.
- **Easy to Deploy and Manage**—Windows Server 2003 enhances the administrator's ability to efficiently configure and manage Active Directory with improved migration, including drag-and-drop capabilities, multi-object selection, and the ability to save and reuse queries.

- **Greater Security**—Security features make it easier to manage the multiple forests and cross-domain trusts. Cross-forest trust provides a new type of Windows trust for managing the security relationship between two forests.

Microsoft and industry partners provide the tools, proven guidance, and services to ease the migration of your existing Novell NetWare investments to the Windows platform.

We also collaborate with Quest Software to provide a migration tool directed specifically at enterprise migration. With unique project management features as well as the ability to stage your migration.

Services for NetWare is a free downloadable tool to help you in your NetWare file migration. It simplifies the adoption of Windows Server 2003, reduces overall network administration, and facilitates the migration to Windows Server 2003 from Novell NetWare.

- **Smooth Migration Process**—File Migration Utility, a component of Services for NetWare, provides a centrally administered file migration capability that moves files and their permissions to one or more Windows Server 2003 systems.
- **Interoperability with One-to-Many and Many-to-Many Support**—Copy groups of NetWare files from either one or several NetWare file and print servers to one or many "destination" servers running Windows Server 2003.
- **Ease User Permission Preservation During Migration**—Preserve file-access control information so that security permissions are not lost during migration. In addition, users can access their files during the migration process, a benefit that results in a more seamless and transparent migration experience.

File and Print Feature Comparison of Netware 6.5 and Windows Server 2003

Feature/Value	Windows Server 2003	Novell NetWare 6.5
Distributed File System Support (DFS)	Enhanced in Windows Server 2003. Automatic recovery from server failures on a DFS share. Multiple DFS shares per server in Windows Server 2003. Closest and dynamic site selection redirects user to the most optimal share.	DFS junctions are supported in NetWare 6.0 and 6.5. Does not provide optimal site selection or dynamic failover. Largely unchanged since NetWare 6.
File Replication Service (FRS)	Enhanced for Windows Server 2003. Works with DFS or as a way to keep critical files replicated in multiple locations.	None available. Must use third-party or open-source options.
Self-service File Restore	Shadow copy of shared folders. This option is integrated into the client, offering a seamless way to restore versions of working files.	NSS versioning. After administrator setup, user can only access versioned files via a Web browser. There is no client integration available. In addition, this technology requires a separate server to track changes. It also does not support iFolder.
Encrypted File Service	Part of NTFS	Not available. A minor exception might include iFolder, which encrypts data over the wire and on the server, but not on the client.
SAN/IHV Hardware Support	Windows Server 2003 is SAN-friendly, allowing simplified mounting of SAN-accessible drives. Windows Server 2003 also supports Microsoft Multi-Path IO (MPIO) in conjunction with hardware devices to provide high availability at the host level.	NetWare 6.5 supports fibre channel and iSCSI. All SAN support is through ConsoleONE (Novell's Java Console) or iManager (Web-based console). There is marginal MPIO support through NIC teaming on the host bus adapter.
System backup and restore	Automatic System Recovery (ASR). ASR allows an administrator to recover from a catastrophic system failure. ASR backs up disk and system information, allowing a rapid repair or replacement of a damaged system.	Novell relies on third-party backup systems for recovery. There is no equivalent of ASR for NetWare 6.5.

Quest Software Solutions for Microsoft Infrastructure Management

Quest Software, Microsoft's FY04 Global ISV Partner of the Year, provides solutions that simplify and automate Active Directory, Microsoft Exchange Server, and Windows environments. For more information, visit www.quest.com/microsoft.

Migration of Data to Windows Server 2003

It is imperative that you protect the confidentiality of your data, and migration processes offer no exception to that rule. NDS Migrator gives you control over file system security and file/folder permissions translation, providing the same pre-migration permissions or adding new security principals to help secure your file system.

Providing ongoing synchronization of changes, NDS Migrator helps to ensure that the files/folders in Windows are an exact copy of the files/folders on Novell.

Pre-Migration Mapping and Planning

Create mapping between your organizational units (OUs) and objects prior to migration with NDS Migrator. NDS Migrator allows you to perform reconfiguration before actually performing the user/group account migration into Active Directory, storing the mapping information in a database. With this capability, NDS Migrator empowers you to perform upfront planning processes and accommodate any necessary restructuring.

Automate Migration of Accounts/Groups to Active Directory

Change naming conventions and reconfigure organizational unit distribution of accounts without affecting permissions on files/folders. NDS Migrator allows you to include group memberships and keep ongoing group members synchronized, saving you valuable time and effort during the migration.

For More Information

Quest NDS Migrator is a comprehensive solution that accelerates and simplifies migrations from Novell Directory Services to Active Directory.

For more information, visit:

wm.quest.com/products/ndsmigrator or contact Bill Evans at Bill.Evans@Quest.com.

For more information on migrating to Windows Server 2003 from Novell NetWare, visit www.microsoft.com/windowsserver2003/migrate/novell/default.mspx.