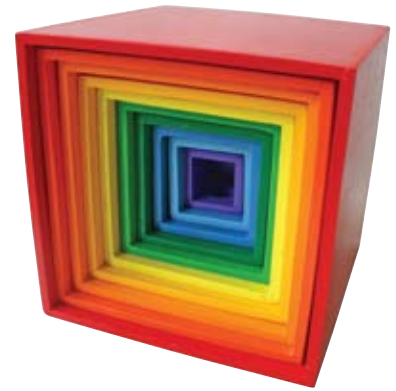




**NetApp™**  
Go further, faster



Infrastructure Solution

# NetApp Storage for Windows Environments

Consolidate all your Windows file and application data on NetApp unified storage to simplify management, improve data protection, and reduce cost

## KEY FEATURES

### Lower costs

Consolidate all your Microsoft® Windows® file and application data to slash costs by up to 50%.

### Increase manageability

Make it easier to manage your Windows storage and automate common manual tasks.

### Improve data protection

Back up and recover Windows file and application data in minutes and back up more often for greater peace of mind.

### Enhance scalability

Share storage, prioritize workloads, and add new capacity and services easily.

## THE CHALLENGE

If your Windows environment is like most environments, you've got multiple Windows file servers and application servers each running on standalone server hardware with direct-attached storage (DAS) or multiple small storage area networks (SANs). The result is low server and storage utilization—20% is not uncommon—and an environment that's difficult and expensive to manage. You spend hours administering patches, antivirus protection, and security across all your servers and managing associated storage, including adding new capacity. Backup and recovery are complicated, backup windows are too long, availability is lower than you'd like, and, when it comes time to make additions or changes, your environment lacks the flexibility to adapt quickly to your needs.

## THE SOLUTION

With NetApp® storage for Windows environments, you can vastly increase utilization and reduce costs by pooling Microsoft application data, databases, and Windows file services on a single NetApp unified storage system. Consolidating your applications onto fewer servers—perhaps using popular server virtualization technologies such as Microsoft Hyper-V™, VMware® ESX, or Citrix XenServer—can further increase the benefits.

Consolidating your Windows storage on NetApp reduces your costs by eliminating the need for separate file servers and inefficient DAS while consolidating small heterogeneous SANs—reducing the total amount of storage you need. With NetApp you can dramatically increase your storage utilization while increasing resiliency. Management is simplified, and all your data is in one place, so you can back up and recover quickly using a single integrated set of data protection tools. As a result, application and Windows availability increases and you can spend more time on value-added tasks.

## SLASH COSTS AND INCREASE EFFICIENCY

With a NetApp storage solution, you can consolidate management for all your data storage and automate daily tasks with our policy-based management tools. Speed up deployment and install new solutions and services in minutes—not hours or days. Your Windows administrators can manage Windows file systems and application storage directly and easily.

A range of storage efficiency technologies, including NetApp Snapshot™ copies, thin provisioning, deduplication, and tiered storage, further reduces your storage

**Microsoft**  
GOLD CERTIFIED  
Partner

requirements and storage costs. Our deduplication technology achieves real space savings: 30% to 50% for primary storage and up to 95% for backups. You can migrate old spreadsheets, presentations, e-mail, or other data to less expensive storage. With NetApp, administrator and infrastructure efficiency goes up and your overall costs go down.

### IMPROVE PROTECTION FOR YOUR FILES, MESSAGES, AND APPLICATION DATA

Long, disruptive backup windows are a thing of the past, along with all those calls to restore lost files, documents, and so on. With NetApp, you can quickly create space-efficient backup copies of Windows data using our Snapshot technology and disk-to-disk backup capabilities.

For Windows application data, our SnapManager® software suite integrates directly with popular Microsoft applications, including Microsoft Exchange, SharePoint Server®, and SQL Server®, to make sure backups are quick and always in a consistent state. You can easily automate management of your Windows application data with predefined policies.

Individual users can quickly locate previously backed-up data, and restore individual files, without the assistance of an administrator. Administrators can restore a corrupted database, individual mailboxes, or other application data quickly and easily to keep applications going strong.

### KEEP YOUR WINDOWS ENVIRONMENT RUNNING

NetApp helps you keep your Windows storage up and running, while maintaining access to important Windows data. Our storage solution protects both your Windows files and Windows application data for reliable and dependable data access, whether that means quickly restoring a mailbox or recovering from a natural disaster. With NetApp you choose the solution that is right for your needs and your budget.

NetApp helps you address all the possible causes of downtime, from operator errors to network/site outages. We start with proven availability technologies such as active-active clustering, which delivers high availability without leaving valuable resources idle, and RAID-DP®, which protects you against multiple disk failures. Availability is further extended through your choice of additional data protection technologies, culminating in synchronous mirroring with failover when your environment requires it.

Setting up and maintaining continuity is easy and cost effective. Our management and file virtualization tools allow you to create policies that automatically provide the right level of protection for all your Windows data. With NetApp, you can keep critical data and storage available without the costs and overhead of traditional approaches.

### INFRASTRUCTURE THAT SCALES

Consolidating multiple, independent storage deployments into one central pool of simple-to-manage NetApp storage allows you to easily share resources, prioritize workloads, and add new capacity and capabilities. You can quickly and automatically grow, shrink, or reallocate storage volumes, so you never have to leave resources sitting idle.

### PARTNERS YOU CAN DEPEND ON

NetApp has cultivated a team of value-added partners to help meet your business needs. NetApp and its partners will help you migrate from your current DAS, San and NAS infrastructure to NetApp with confidence. We can assess your current Windows environment, and make comprehensive recommendations, resulting in a solution that meets your needs, readies you for the future, and doesn't break your budget.

You can rest easy with NetApp and our value-added partners. Training, maintenance—including NetApp AutoSupport for remote lights-out problem detection and resolution—and help with automating management are all available. NetApp is your solution for consolidating Windows storage.

NetApp creates innovative storage and data management solutions that accelerate business breakthroughs and deliver outstanding cost efficiency. Discover our passion for helping companies around the world go further, faster at [netapp.com](http://netapp.com).

© 2009 NetApp. All rights reserved. Specifications are subject to change without notice. NetApp, the NetApp logo, Go further, faster, RAID-DP, SnapManager, and Snapshot are trademarks or registered trademarks of NetApp, Inc. in the United States and/or other countries. Microsoft, Windows, SharePoint Server, and SQL Server are registered trademarks and Hyper-V is a trademark of Microsoft Corporation. VMware is a registered trademark of VMware, Inc. All other brands or products are trademarks or registered trademarks of their respective holders and should be treated as such.  
DS-2897-0209



[www.netapp.com](http://www.netapp.com)