NetApp®

Go further, faster
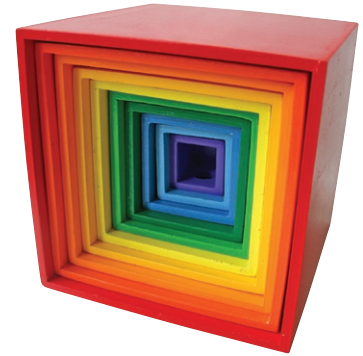
Solution > **Infrastructure**

NetApp and VMware Windows Consolidation

THE CHALLENGE

The traditional Windows infrastructure is incompatible with the increasing demands of business-critical applications such as Microsoft SQL Server®, Microsoft Exchange, and Microsoft SharePoint®. If your goals for simplifying management, increasing availability, enhancing flexibility, scalability, and efficiency are not being adequately met, you are not alone.

Sprawling underutilized infrastructure and software can lead to high costs. Without ways to efficiently automate management and maintenance tasks or flexibly scale IT infrastructure, it's impossible to focus on enhancements that would benefit your business. Without efficient availability and backup and restore solutions, your business operations may be interrupted.

THE SOLUTION

Using a combination of VMware® and NetApp® you can create a unified and comprehensive solution that simplifies your entire Windows environment— applications, data, and infrastructure— enabling you to easily achieve your IT goals.

NetApp and VMware have teamed up to create a solution that can consolidate and virtualize your existing Microsoft® applications and file environment, reducing infrastructure costs by up to 50% while protecting all your applications and data. Because NetApp and VMware technologies are already jointly used in thousands of customer sites, the solution is simple and risk free.

REDUCE SPRAWL AND COSTS

The NetApp Virtualization Guarantee Program guarantees that you will use 50% less storage with NetApp in your VMware environment than with traditional storage.

With our joint solution for your entire Windows infrastructure you can:

- Increase utilization of IT infrastructure and software.
- Eliminate physical sprawl (servers, floor space, electricity).
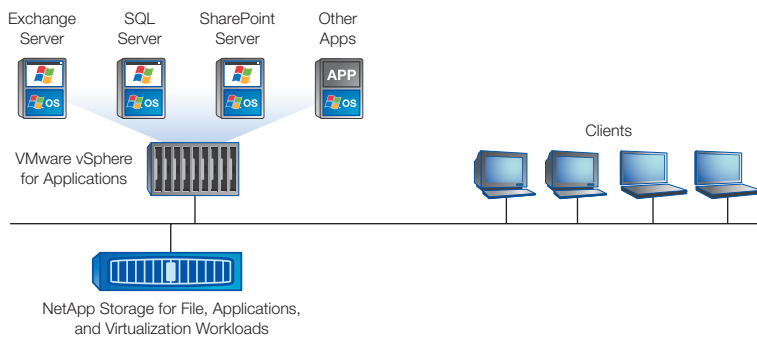- Experience up to a 50% reduction in Windows IT and infrastructure costs.

vmware®

Figure 1) NetApp and VMware Windows consolidation.

SIMPLIFY MANAGEMENT

Through consolidation, your server and storage infrastructure is transformed into a pool of processing and storage resources. New servers and storage can be provisioned in minutes, and administrators can efficiently manage and optimize resources using fewer tools.

VMware vCenter™ Management Suite and NetApp Virtual Storage Consolidation, a vCenter plug-in, simplify and automate common tasks such as provisioning and backup.

INCREASE AVAILABILITY

Simplify the process of keeping your Windows applications running and your data protected and available while minimizing or eliminating both planned and unplanned application disruptions.

- Take quick, consistent point-in-time copies of your virtual machines, Microsoft applications, and files.
- Get higher uptime with VMware HA and NetApp mirroring.
- Choose advanced availability features to best suit your budget and business needs.

ENHANCE FLEXIBILITY AND SCALING

Virtualizing your Windows environment increases flexibility scalability. VMware vSphere™ encapsulates applications within virtual machines, allowing them to be allocated or deallocated from a single dynamic pool. NetApp Data ONTAP® consolidates all Windows data—applications, files, and virtual machines—allowing storage to be allocated or reclaimed as needed.

- If a workload is maxing out its resources or storage, VMware and NetApp let you increase those resources on the fly without disruption.
- Virtual machines can be rapidly cloned using the deep integration between VMware and NetApp, allowing you to replicate existing configurations for testing or fast, space-efficient provisioning.

PARTNERS YOU CAN DEPEND ON

NetApp and VMware have developed a team of qualified partners who can help you evaluate your Windows environment and goals specific to your business. They will work with you to create and implement a comprehensive consolidation plan to meet objectives, lower costs, and boost availability while taking the risk out of solution deployment.

ABOUT VMWARE

VMware, the global leader in cloud infrastructure, delivers customer-proven virtualization solutions that significantly reduce IT complexity. VMware accelerates an organization's transition to cloud computing, while preserving existing IT investments and enabling more efficient, agile service delivery without compromising control.

ABOUT NETAPP

NetApp creates innovative storage and data management solutions that deliver outstanding cost efficiency and accelerate performance breakthroughs. Discover our passion for helping companies around the world go further, faster at *www.netapp.com*.

www.netapp.com