NetApp™
Go further, faster

Why NetApp and VMware for Windows Consolidation

A NetApp®-VMware® solution can help you reduce your Windows® IT costs. At the same time it can deliver best-in-class availability with a fully virtualized infra-structure that adapts to your changing needs.

1. REDUCE COSTS

In today's technology-driven economy, your business success is inextricably linked to your Windows environment. Applications like Microsoft® Exchange, Microsoft SQL Server®, and Microsoft SharePoint® are critical. However, the inefficient server and storage infrastructure in most Windows environments is incompatible with today's flat or declining IT budgets.

NetApp and VMware have teamed to create a joint solution to consolidate and virtualize your Microsoft applications and file storage. By reducing the physical sprawl of your Windows environment, we reduce the resources—servers, storage, software, manpower, electricity, and floor space—that your Windows operation consumes. As a result, your infrastructure costs are reduced.
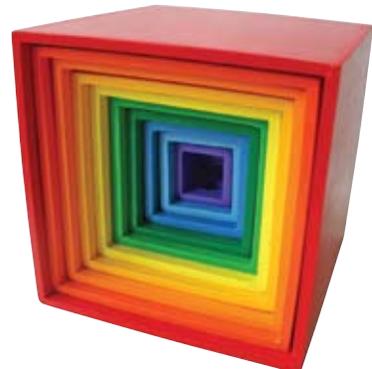
2. GET MORE FROM YOUR HARDWARE AND SOFTWARE

Traditionally, each application is provisioned for the peak load, so average server and storage utilization rates are often in the 5–25% range. Because many Microsoft applications are licensed on a per-processor basis, if your processors are underutilized, your software licenses are underutilized as well.

Consolidating and virtualizing your Windows environment with NetApp and VMware lets you boost server and storage utilization by approximately 60–80%, so every IT dollar yields much greater productivity and you accomplish more with less. For example, in Microsoft SQL Server environments it is not unusual to reduce the number of processors —and per-processor licenses—by up to 80%. The power, cooling, and physical space consumed by your Windows environment can all be significantly cut.

3. BOOST AVAILABILITY

Most Windows workloads provide essential business services, making availability critical. Unfortunately, less than 20% of such applications benefit from high availability because of the cost and complexity of traditional solutions.

vmware®

Full server virtualization and Windows storage consolidation with NetApp and VMware make it much simpler to keep your Windows applications running and your data protected and available. VMware VMotion™ and NetApp Data Motion™ allow you to move running applications and their underlying data so that hardware maintenance can be performed with minimal disruption.

Our data protection and availability solutions automatically deliver the right level of protection for each workload. We offer a range of data protection options that you can use to meet very aggressive recovery time objectives and near-zero recovery point objectives for critical workloads.

4. INCREASE BUSINESS FLEXIBILITY

The lengthy process of deploying a new physical server for every new application is not sustainable. Often, by the time you procure the necessary hardware and software your window of opportunity has passed.

A fully virtualized Windows environment gives you the flexibility to do things you simply could not do before. If an application is maxing out its CPU or memory resources, VMware vSphere™ 4 lets you increase those resources on the fly. If a storage volume is full, NetApp Data ONTAP® makes it simple to expand the volume with minimal disruption. New applications and storage can be provisioned in running applications which can be scaled and load-balanced on the fly.

5. SAVE TIME WITH ADVANCED AUTOMATION

Using VMware vCenter™ Management Suite and NetApp Virtual Storage Console and System Manager you can simplify and automate common tasks such as provisioning and backup. These tools let you manage your entire infrastructure as a single dynamic pool of resources. Administrators no longer need to supervise individual backups or constantly worry about optimizing resources, freeing precious time.

6. GET THERE FASTER

NetApp and VMware technologies are used together at thousands of customer sites because a joint solution is simple, fast, and risk free. NetApp and VMware have a team of qualified reseller partners who can help you evaluate your Windows environment to identify goals specific to your business. These partners will work with you to create comprehensive consolidation and virtualization plans to meet your objectives, lower your costs, boost availability, and take the risk out of solution deployment.

To learn more about consolidating and virtualizing your Windows environment, contact your local NetApp-VMware value-added reseller or visit us at www.netapp.com or www.vmware.com.

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