NetApp™
Go further, faster

Infrastructure Solutions

Simplify VMware Environments with NetApp Virtualization Solutions

Realize the full potential of a virtual infrastructure with storage solutions that match the efficiency, flexibility, and scalability of virtualized servers

THE CHALLENGE

Maximize the benefits of a virtualized server environment

Server consolidation and virtualization promise an enterprise infrastructure that is efficient, flexible, and scalable. To maximize your responsiveness to market and business needs and to fully realize the benefits of server virtualization, you need to address the increased demands that virtualized servers pose for your storage infrastructure. Backup becomes more difficult and rapid recovery is increasingly imperative with virtualized servers. To take full advantage of all the benefits associated with server virtualization, your data-center transformation strategy must consider storage as well as servers.

THE SOLUTION

Include NetApp's unified storage architecture as part of your virtualization solution

Building a comprehensive virtualized infrastructure begins with NetApp. We do for storage what VMware does for servers. Our automated backup and recovery solutions provide best-in-class data protection. With our solutions, you can protect your infrastructure with recovery times that are twice as fast as other solutions in VMware environments. At the same time, you can maximize utilization and lower total cost of ownership without affecting performance by using our deduplication and thin provisioning technologies. We also help you simplify management and administrative complexity with the industry's broadest unified storage architecture. Our virtualization solutions for production, testing, development, and desktop environments complement the manageability, utilization, and cost-saving benefits of your VMware deployments.

MANAGE RISK

Now you can protect your virtual infrastructure and your data with backup, replication, recovery, and disaster recovery solutions that don't affect performance. With our solutions, you can recover virtual machines twice as fast as you can with either EMC or HP in VMware environments.

Our storage- and network-efficient data protection solutions reduce the need for an expensive disaster recovery (DR) infrastructure. Because of the cost efficiencies we provide, you can afford to protect more of your data. Our simplified solutions deliver rapid and reliable recovery across all application tiers. And with NetApp, you can leverage your DR infrastructure by using it for application testing. You can even use it to nondisruptively test your DR site itself.

MAXIMIZE STORAGE UTILIZATION

We help you maximize asset utilization and lower costs in several ways. The efficiencies we enable with our thin provisioning and Snapshot™ technologies can help you slash 50% off your power, cooling, and space requirements. By using our deduplication technology across your primary, backup, and archival storage, you can slash 50% to 90% off your VMware storage requirements.

INCREASE OPERATIONAL EFFICIENCY

Unburden your VMware administrators from the most labor-intensive tasks with an automated solution for data protection and recovery of virtual machines (VMs). Our additional data management solutions for Oracle,® SQL, Microsoft® Exchange, Microsoft SharePoint,® and SAP® help you increase productivity by automating application-specific backup and recovery operations.

RESPOND QUICKLY TO CHANGE

To respond to changing business needs, you need to be able to deploy new virtual machines and provision storage for them quickly. With our solutions, you can slash provisioning time by 40% with no impact on servers. Our nearly instant, low-overhead storage cloning and provisioning can help you do just that. These same capabilities can also help you shorten test and development cycles from weeks to minutes by enabling instantaneous storage provisioning and cloning of your virtual machines.

MAXIMIZE YOUR SUCCESS

We not only provide a better destination, we also help get you there with our professional services and support tailored specifically for virtualized environments. NetApp Professional Services leverages proven methodologies, tools, and best practices to help you implement the right virtualization solution for your business needs. Our proactive support services employ innovative NetApp technology that makes it possible for you to resolve potential issues before they cause problems. We can help you lower TCO with a virtualization solution optimized for your specific needs, so you experience faster time to production and reliable performance. With our Professional Services as your virtualization guide, you get the combined power of our key technologies in just the right mix for your needs.

Professional Services tailored for VMware environments

NetApp Professional Services for virtualization can help you maximize the benefits you reap from your virtualized environments. Our services—from assessment to implementation and management—help get you where you need to be, quickly and efficiently. With our virtualization solutions, we can help you turn your IT Infrastructure into a dynamic, responsive, competitive weapon.

Assess. We provide guidance for capitalizing on the benefits of your virtualized platform. Our experts work with you to identify and characterize your data-center environment, including servers, storage, network components, and applications, resulting in a written report that includes a conceptual model, our findings, and prioritized recommendations for increased efficiency.

Consult. Our Professional Services experts work with you to provide the most efficient server and storage architecture blueprints prescribed for your environment and business needs, including a customized virtualization solution that incorporates NetApp storage best practices and complete ROI and TCO analysis of the proposed solution and implementation road map.

Deploy and manage. We help you build and manage your optimal server platform based on VMware technology.

BUILD FOR TODAY, GROW FOR TOMORROW

Along with our specialized services, we offer the industry's broadest family of compatible storage systems and data management software to give you unmatched business agility, superior application uptime, simplicity of management, and low TCO. Our storage solutions for VMware environments simplify data management and save time while leveraging existing investments in heterogeneous storage arrays across FC, iSCSI, NFS, and CIFS. All of our systems offer simultaneous support for both primary-to-virtual (P2V) and virtual-to-virtual (V2V) environments.

- NetApp SnapManager® for Virtual Infrastructure enables your VMware administrators to increase productivity by automating common storage management functions.
- The NetApp FAS product line (FAS6000, FAS3000, and FAS2000) integrates easily into complex enterprise environments and simultaneously supports all standard network protocols.
- To extend the benefits of our simplified data management to your third-party storage arrays, you can use our V-Series product line (V3000 and V6000).

V-Series Compatibility Matrix

STORAGE ARRAYS	FIBRE CHANNEL SWITCHES
HDS	Brocade
HP	McDATA
EMC	Cisco
IBM	
Fujitsu	

NetApp creates innovative storage and data management solutions that help you accelerate business breakthroughs and achieve outstanding cost efficiency. Discover our passion for helping companies around the world go further, faster at NetApp.com.

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