



STORAGE SOLUTIONS

NEED A REASON TO DEPLOY VMWARE ON NETAPP? HOW ABOUT 10?

OPERATIONAL EFFICIENCY

1. **Increase overall productivity.** The combination of VMware and NetApp offers significant advantages for companies that are consolidating servers and storage by reducing costs, maximizing storage utilization, and increasing operational efficiency.
2. **Flexibility.** NetApp solutions give you the ultimate in flexibility by enabling you to choose iSCSI, FCP, or NFS connectivity within a single storage platform. NetApp systems can also mix drive types within a single system so that you can tier your virtual machines (VMs) within a single architecture, giving users flexibility and investment protection.
3. **Streamline storage allocation to virtual machines.** With NetApp, VMware administrators can supply storage to virtual machines in seconds while achieving the highest level of storage utilization.

ASSET UTILIZATION

4. **Efficient cloning of VMs.** Using the NetApp FlexClone® tool, you can instantly create VMs from your gold disks without consuming any additional physical storage. These clones can be used for production and test and development environments.
5. **V-Series virtualization solution.** The NetApp V-Series products enable you to consolidate your heterogeneous arrays into a unified environment, so that you can take advantage of all the NetApp data management tools across your environment.
6. **Thin provisioning.** Network Appliance™ storage systems offer powerful, flexible provisioning capabilities that give IT storage specialists the ability to lower cost while meeting capacity, utilization, and performance requirements.

HIGH AVAILABILITY

7. **Instantaneous backups.** With NetApp Snapshot™, VMware users can make instantaneous, consistent backup copies of active data with negligible performance and storage overhead.
8. **Raid-DP™.** RAID-DP offers significantly more protection than single parity schemes (including RAID 5 and NetApp RAID 4), with zero to minimal cost and performance impact. Compared to RAID 1 (mirroring), RAID-DP offers equivalent data protection against double disk failure at a fraction of

the cost of mirroring. Compared to RAID 6, RAID-DP offers better performance and ease of use.

9. **Disaster recovery.** Protect data and speed recovery using SnapMirror®. SnapMirror provides a simple, efficient way to replicate data between systems in multiple locations using multitransport (IP and FC) and frequency choice (sync, semi-sync, and async) options while transferring only changed blocks. In the event of a disaster, a remote site can use the SnapMirror copy of the data to restart critical virtual servers with minimal disruption to ongoing operations.
10. **Enterprise services to see you through.** With the expertise to help you when you need it, NetApp delivers global, enterprise-grade services and support to free up your internal resources, minimize disruptions, maximize uptime, and help ensure your long-term success.

ABOUT NETWORK APPLIANCE

Network Appliance is a world leader in unified storage solutions for today's data-intensive enterprise. Since its inception in, Network Appliance has delivered technology, product, and partner firsts that simplify data management. Information about Network Appliance solutions and services is available at www.netapp.com.