

VMware vSphere Storage Appliance

Software Delivering Shared Storage for Every SMB

AT A GLANCE

Business continuity is a top priority for Small and Midsize Businesses, but traditional solutions are complex and expensive. VMware® vSphere protects your business with built-in high availability for all your applications. The new VMware vSphere® Storage Appliance™ (VSA) extends business continuity to SMBs with no shared storage hardware. VMware VSA is software that transforms internal storage from server hosts into a single shared storage resource, enabling all SMBs to use the advanced capabilities of vSphere.

KEY BENEFITS

- Five-click simplicity
- High availability with no shared storage hardware required
- World-class datacenter capabilities for small environments

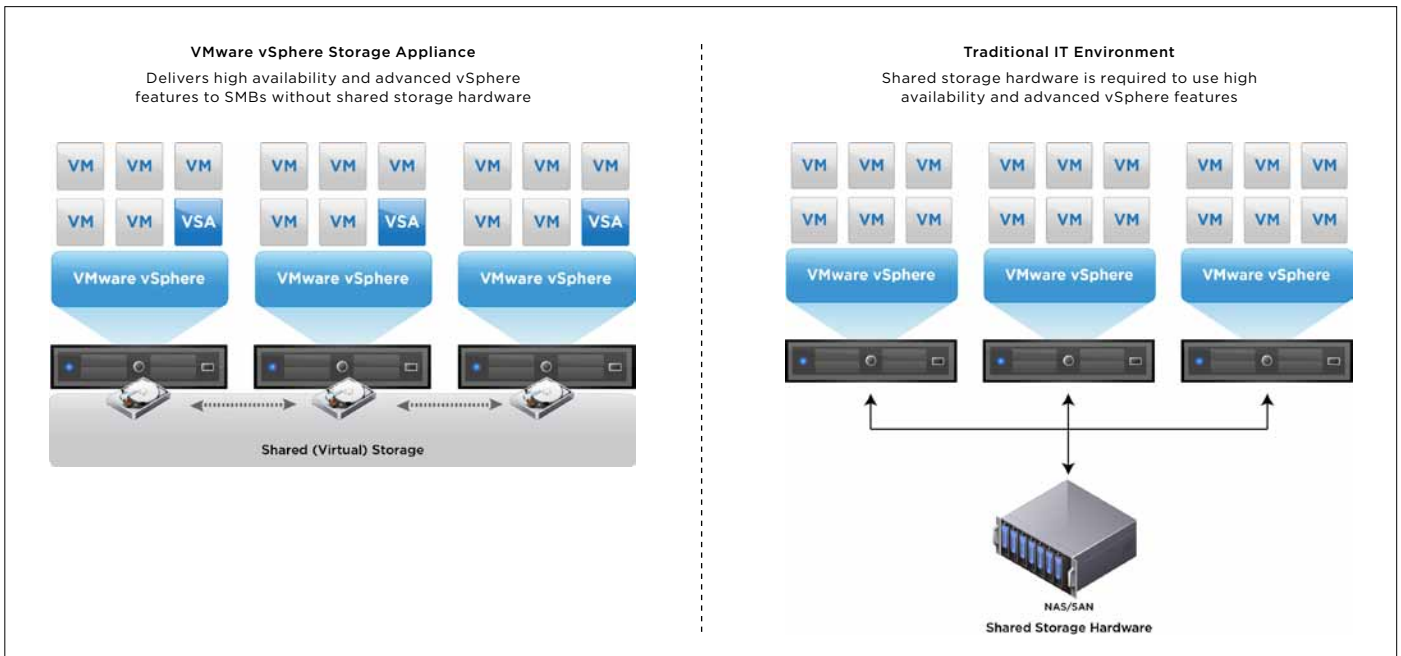
What is VMware vSphere Storage Appliance?

VMware vSphere Storage Appliance is software that delivers shared storage capabilities without the cost and complexity of shared storage hardware. It installs with just a few mouse clicks and is centrally managed in VMware vCenter Server. With shared storage capabilities, you'll be able to use vSphere's business continuity features, all without shared storage hardware.

What Does vSphere Storage Appliance Deliver?

For many SMBs, virtualizing servers has required them to deal with the complexities of shared storage for the first time. Not anymore. VMware vSphere Storage Appliance provides high availability and automation capabilities of vSphere to SMBs without shared storage hardware. Get business continuity for all your applications, eliminate planned downtime due to server maintenance, and use policies to prioritize resources for your most important applications. VMware VSA enables you to do all this, without shared storage hardware.

Five-Click Simplicity - You can install VMware VSA by making a few mouse clicks and entering the desired IP address. And because VMware VSA is integrated with vCenter Server, you can manage your entire IT environment in one place.



VMware VSA provides a cost-effective and simple alternative to the traditional IT environment approach, delivering high availability and advanced vSphere features to SMBs without shared storage hardware.

High Availability Without Shared Storage Hardware - VMware VSA runs on multiple servers simultaneously, making data available to all of your applications even when a server fails. The high-availability features of vSphere enable you to restart virtual machines automatically when a server fails, or use fault-tolerant protection so applications run uninterrupted. You can perform maintenance with no impact on the end user by migrating applications live from one server to another using vSphere vMotion. With VMware VSA, you can eliminate any single point of failure within your IT environment.

World-Class Datacenter Capabilities for Small Environments

VMware VSA empowers smaller IT environments with the performance and efficiency of world-class datacenters. Get the most out of your hardware by pooling workloads for higher utilization. Then use the unique set-and-forget automation features of vSphere to guarantee application service levels for your most important applications, without constantly monitoring compute, network, or storage resources.

How Does vSphere Storage Appliance Work?

VMware VSA is a virtual appliance software that allows vSphere administrators to utilize server storage space by presenting it as shared storage. Managed as a single instance from vCenter

Server, VMware VSA is installed on a cluster of servers and resides on a virtual machine on each server. The cluster enables the virtual machines to access the shared storage without the need for dedicated external storage.

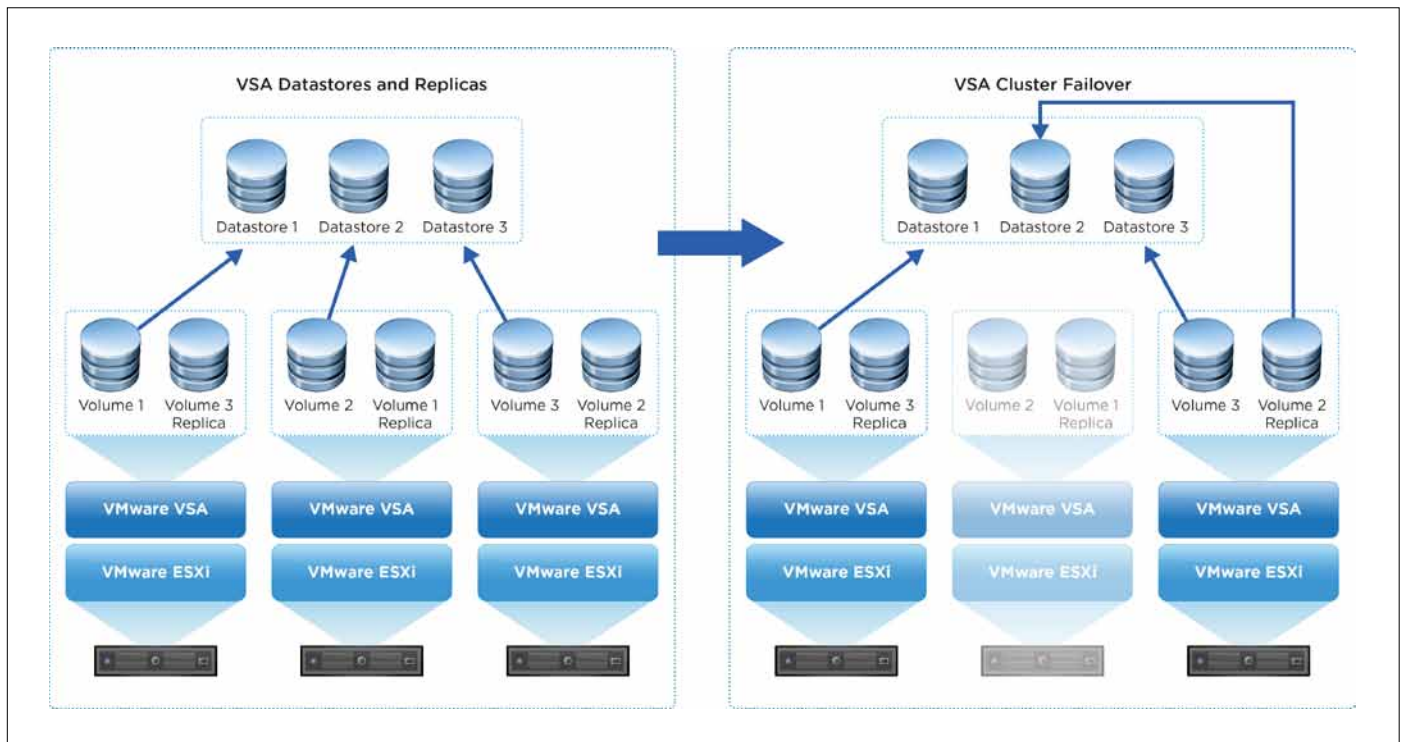
vSphere administrators can simply allocate and provision this storage via vCenter Server. Once storage is allocated, managing it is the same as managing any shared storage—even simpler, because the storage resource is managed through vCenter Server.

How is vSphere Storage Appliance Easy to Deploy?

VMware VSA is easy to deploy because the installation handles many configuration tasks—such as network setup and vSphere High Availability deployment. Even first-time vSphere users don't find it difficult to deploy.

How Does vSphere Storage Appliance Protect Data?

VMware VSA is resilient. If a vSphere server within the VMware VSA cluster goes down, VMware VSA automatically and seamlessly fails over to another vSphere server in the cluster, protecting your data. With VMware VSA, you eliminate any single point of failure within your IT environment.



VMware VSA eliminates any single point of failure, ensuring protection of your data. If a server failure occurs within your VMware VSA cluster, VMware VSA automatically fails over to another server in the cluster.

Key Features of vSphere Storage Appliance

Affordable Shared Storage

- Turns internal server storage into fully virtualized, clustered, shared and highly available datastores at a lower cost than networked, external shared storage
- Supports up to three nodes

Simple Installation and Configuration

- Fully automated installation and configuration of vCenter Server, vSphere and VMware VSA in just a few clicks
- Ensures correct configuration for high availability

Simplified and Centrally Managed IT Environment

- Simplifies IT infrastructure – run your applications and use shared storage, all on existing servers
- Tight vCenter Server integration provides simplified administration via VMware VSA plug-in

Storage Resilience and Availability

- Synchronous mirroring of datastores (VSA uses RAID 1 protection across servers and RAID 5/6/10 protection within each server)
- 99.9 percent availability using High Availability
- Eliminates any single point of failure

Flexibility with hardware-based storage solutions

- Use Storage vMotion to transfer VMs between VMware VSA and shared storage hardware with no service disruption

Hardware and Application Compatibility

- Full compatibility with fast-growing hardware compatibility list
- Support for all VMware applications

