

Network Storage Server (NSS) Virtual Appliance

HETEROGENEOUS STORAGE VIRTUALIZATION FOR BUSINESS CONTINUITY

As an elite VMware Technology Alliance Partner, FalconStor proudly provides the FalconStor® Network Storage Server (NSS) Virtual Appliance: a pre-configured, production-ready virtual machine that provides a cost-effective, feature-rich virtual SAN solution for small-to-medium business (SMB) and remote/branch office (ROBO) VMware environments. The FalconStor NSS Virtual Appliance enables storage virtualization and provisioning in both physical and virtual server environments, for improved operational efficiency and simplified management. Advanced features including thin provisioning, data migration, performance tiering, mirroring, application-consistent snapshots, WAN-optimized replication, and automated disaster recovery (DR). This comprehensive solution improves the utilization of storage resources to minimize storage overhead while ensuring data availability and business continuity.



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Highlights

All-inclusive functionality

- Simple, capacity-based pricing
- Capacity size and disk type scales from 1TB to 10TB per virtual appliance

Heterogeneous support

- Supports iSCSI and Fibre Channel (FC) connectivity

Thin provisioning

- Enables efficient management of existing capacity
- Simplifies administration
- Increases utilization of disk capacity
- Reduces capital expenditures (CapEx)

Mirror volumes, up to 255 snapshots

- Enables granular recovery points
- Data assurance and business continuity

WAN-optimized replication via MicroScan™ technology

- Reduces bandwidth requirements by up to 95%
- Enables fast DR

Data tiering

- Populates data on appropriate disk volumes: Nearline SAS, SAS, FC

Data migration

- Easily moves data volumes between tiers or SANs

Automated DR via RecoverTrac™ tool

- Automates complex application recovery and DR testing
- Supports P2P, P2V, and V2V recovery

Optimized I/O performance

- Accelerates storage performance for mission-critical applications
- Alternate-READ mirror volumes eliminate I/O bottlenecks
- HotZone® and SafeCache™ technologies improve READ/WRITE performance

Microsoft Stretch Cluster Support

- Certified for Microsoft GeoCluster operation

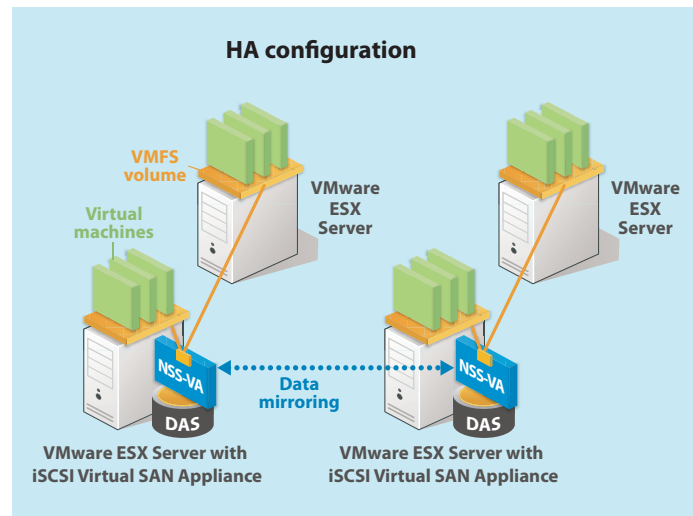
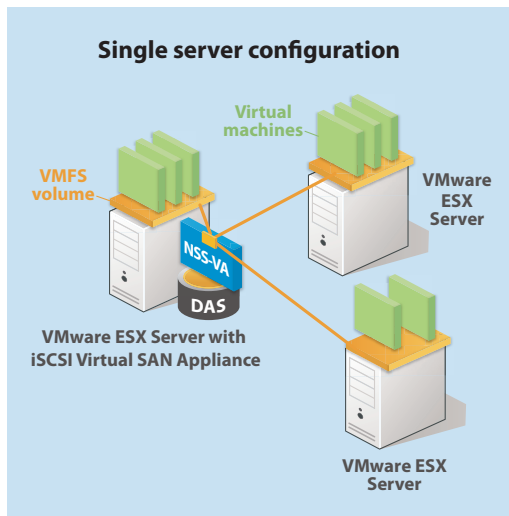
Specifications: FalconStor NSS Virtual Appliance

NSS VASVR02S

Characteristics	
Form factor	Virtual appliance
Appliance type	OVF
Host connections supported	iSCSI
VMware systems supported	VMware vSphere 4 (ESX Server 4.0 and ESXi 4.0), vSphere 4.1 (ESX Server 4.1 and ESXi 4.1), vSphere 5.0 (ESXi 5.0), vCenter Site Recovery Manager
Repository capacity: usable	Up to 10TB*
TimeMark® snapshot images per LUN	255
Host Connections	
iSCSI - 1 Gb/s	3 virtual NICs
iSCSI - 10 Gb/s	Optional
8Gb FC	Optional
Capabilities	
High availability (HA)	Included
Thin provisioning	Included
Replication with encryption/compression	Included
Automated DR via RecoverTrac tool	Included
Snapshot agents (including Microsoft Windows, Linux file systems)	Included
Snapshot Director for VMware vSphere	Included
Storage Replication Adapter for VMware Site Recovery Manager	Included
SNMP integration	Included
Central Client Manager (CCM)	Included

*Requires at least one repository capacity license (VAC001-S), supports up to 10 repository capacity licenses.

FalconStor NSS Virtual Appliance can be deployed on a single server for storage pooling, or on two servers for HA



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