

StoreVault™ S500



secure scalable network storage

The StoreVault S500 is a scalable all-in-one network storage solution that provides security, scalability, peace-of-mind data protection, and simplified management of all your business information.

benefits for your business

Storage management made easy

Just because your business data is complex, there's no reason for your data storage to be complex. The StoreVault S500 provides security with simplicity, allowing you to focus on growing your business, not on your growing storage.

Eliminate the pain of backup

NetApp Snapshot™ technology allows you to eliminate daily incremental backups, and can even eliminate the backup window.

No more waiting for recovery, stay in business

Disk-to-disk backup and fast recovery is no longer just for large IT organizations. StoreVault products enable instant recovery of individual files, directories or an entire file system.

Your business is growing, your storage should be able to grow with you

StoreVault S500 allows you to add storage without disrupting applications or users, even one drive at a time if that's what you need.

Allocating storage should be easy

With NetApp FlexVol™ technology embedded, storage capacity can be simply allocated and reallocated on-the-fly while continuing normal operations.

Low Total Cost of Ownership

StoreVault has a low acquisition cost, but the real benefit comes with the simplicity of management, better storage utilization, and protection of your data over time.

You're a leader in your field, depend on a leader in network storage

Network Appliance has long been regarded as the storage innovation leader in providing high reliability, simplicity, and data protection.

key features

Advanced Protection Architecture

The StoreVault Advanced Protection Architecture combines protection for your data with technologies that maintain your system to ensure maximum availability.

Intuitive graphical interface to manage your storage

The StoreVault S500 goes from carton to configured in minutes and provides the ongoing ability to easily manage, monitor, and update your storage without the need for storage specialists.

NAS and SAN support in one box

StoreVault S500 provides support for file sharing (NAS) and block-level storage (SAN) over iSCSI or Fibre Channel, giving you the flexibility to grow when you need to. It even supports direct-attached storage (DAS).

High reliability and availability

With redundant hot-swap power and cooling, dual Gigabit Ethernet ports, NVRAM, and protection from double-disk failure with RAID-DP™, StoreVault S500 keeps your data safe and available.

Instant backup and restore

Snapshots provide peace-of-mind security and dependability with the industry's best implementation of point-in-time recovery with no performance impact.

StoreVault Replication for remote protection

Replicate files and LUNs to a remote StoreVault S500 to protect your data in the event of a disaster or to publish read-only data remotely. Supports one-to-one, one-to-many, many-to-one configurations.

Scales to 6TB

You can start with just 1TB at a very affordable price point, and your storage can grow as your business grows without adding additional boxes or complexity. The unique NetApp architecture allows a single drive to be added transparently to an existing RAID group without disruption to applications or users.

StoreVault S500 Technical Specifications

Software Specifications	
Operating System	Network Appliance™ Data ONTAP® StoreVault Edition
Standard Software Features	Simultaneous NAS and SAN support, online capacity expansion, up to 255 Snapshots per volume, e-mail alerts, DNS, NDMP, FlexVol thin provisioning
Security Integration	UNIX® NIS, Macintosh® NIS, Windows® Active Directory and Windows Workgroup (local) integration
Supported Server / Client Operating System	Linux - Red Hat ES, Windows 2000 Professional, Windows 2000 Server, Windows 2K3, Windows XP, Solaris, SuSE Linux, Apple OS X
NAS Protocol Support	NFS V2/V3/V4 over UDP or TCP, NFS client authentication, Microsoft® CIFS, Support for Microsoft DFS (Distributed File Sys) for CIFS
SAN Protocol Support	Fibre Channel and iSCSI Up to 64 LUNs
Fibre Channel	QLogic SAN Starter Kit, available from the StoreVault Division
iSCSI Software Initiators	Microsoft initiator v2.02, VMware ESX and VMware Server, Linux Red Hat ES 11 (upgrade 4), Linux SuSE EL 9, Netware 6.5, Solaris 10
iSCSI Hardware Initiators with Diskless Boot from SAN	Silverback iSNAP 2110 with firmware v1.1, QLogic QLA405x PCI-X and QLE406x PCIe.
RAID Support	Global Hot Spare, RAID-4 and RAID-DP (Double Protection, a form of RAID-6 without any performance penalty)
Management Interface	StoreVault Manager, a Windows-based administration utility
SNMP Support	Agent compatible with SNMP ver1. MIB-II and NetApp custom MIBs supported.
System Hardware Specifications	
Chassis	2U, 19" rack-mountable
Power Supplies	Dual redundant, hot pluggable
Max. Raw Capacity	6TB
Disk Drives	Up to 12 250GB SATA I or 500GB SATA II
DDR2 Memory (System RAM)	1024MB
Nonvolatile SDRAM (NVRAM)	256MB - protects "in flight" transactions for 3 days in the event of a power loss.
Integrated I/O	2 Ethernet 10/100/1000 Copper
Optional SCSI Card	68-pin LVD Ultra 160
Environmental Specifications	
AC Power / Max. Current	100 to 120VAC, 9A; 200 to 240VAC, 4.5A
Thermal Rating	1706 Btu/hr (fully loaded shelf)
Dimensions (height/width/depth)	2 EIA U (3.5" 13.3 cm) / 19" EIA rack compliant (17.6", 44.7 cm) / 22" (55.9 cm)
Max. Weight	52.0 lb (35.8 kg) fully loaded
Operating Temperature & Relative Humidity	0°C to 40°C (32°F to 104°F); 20% to 85% relative humidity, noncondensing)
Nonoperating Temperature & Relative Humidity	-40°C to 65°C (-40° F to 149° F); 20% to 95% relative humidity, noncondensing)
Operating Acoustic Noise	61 dBA @ 1m at 23°C
Min. Service Clearances	10.55" (26.8 cm) front; 16.3" (41.4 cm) rear
StoreVault Manager Installation Requirements	
Hardware requirements	Intel-based PC with single 2-GHz CPU (Xeon or Pentium 4) 40MB of free disk space minimum 512MB of memory minimum
Software requirements	Windows XP Windows 2003 server



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About Network Appliance

Network Appliance is a world leader in network storage solutions for today's data-intensive world. Since its inception in 1992, 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.

Network Appliance, Inc.
495 East Java Drive
Sunnyvale, CA 94089
877.2STRVLT

For more information on StoreVault, A NetApp Division, go to www.storevault.com.

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