



Network Appliance™ NearStore™ R100 System

Cost-effective,
fast-access storage
for online backup
and archiving.



Key Features

- **ACCELERATES DATA BACKUP**
Backing up primary storage to NearStore is fast, especially from NetApp filers using SnapVault software.
- **IMPROVES BACKUP PROCESS**
Offload time-consuming tape backups from primary storage and consolidate backup of several systems automatically.
- **SPEEDS DATA RECOVERY**
Rapidly restore backed up business-critical data much faster than from tape.
- **PROVIDES ONLINE ACCESS TO ARCHIVED DATA**
Quickly retrieve reference and archive data maintained on cost-effective storage.

The Challenge: Providing Effective and Economical Data Protection

Every enterprise needs to protect business-critical data. Back up directly to tape from primary storage is the conventional approach. A principal problem with this method is that it must be confined to off-peak hours because it impacts the performance of primary online storage. Making matters worse for global enterprises, accelerating data growth and shrinking time windows for tape backup aggravate this problem.

Recovering data from tape presents another critical issue: it can be arduous and time-consuming, all while your applications—and business—are offline.

The Solution: Dual-Stage Backups and Online Data Recovery

A data protection architecture using the NetApp® NearStore appliance in concert with a tape library addresses the problems with direct backup to tape. NearStore perfectly complements and dramatically improves existing tape backup processes by inserting economical and simple-to-use disk-based storage between application storage and tape libraries, in a two-stage backup configuration.

Almost any type of primary storage can be backed up to NearStore—servers (UNIX®, Windows®, etc.); RAID and JBOD storage; desktop and notebook computers; and, of course, NetApp filers. The combination of NetApp SnapVault™ software with NearStore delivers a robust and fully integrated appliance—a compelling NetApp filer backup solution.

Improves and Accelerates Data Backup

Backing up directly to NearStore and then to tape enhances data protection management and improves primary storage and tape library performance. Backup to NearStore is faster and consumes less application-server CPU than direct backup to tape. Maximize throughput by streaming backups from NearStore to tape, and extend traditional backup windows since primary storage is not involved.

Software that utilizes incremental block transfers to back up data to NearStore—like SnapVault—provides additional benefits. Low network bandwidth consumption makes remote system backup over almost any WAN practical. In addition, these solutions back up data more efficiently on NearStore.

These performance and management improvements significantly reduce backup resource requirements and lower costs.

Faster Data Recovery

Recovering from disasters is a critical business imperative, and time-to-recovery directly affects an organization's bottom line. With NearStore, high throughput and instant access result in much faster data recovery than from tape. In addition, by keeping recently backed up data on NearStore, you can often quickly recover individual files, rather than tediously remounting a full backup. With NearStore, you can restart your business in minutes, dramatically reducing the business impact of unplanned emergencies.

hardware

Network Appliance hardware gives you the industry's most flexible, reliable, and scalable storage solutions, with easy administration and built-in redundancy for maximum data availability and protection.

Practical Online Archiving

NetApp NearStore makes online archives of infrequently accessed data affordable. It provides much faster access to data for costs comparable to high-end tape or optical systems. Built with renowned NetApp simplicity and reliability, NearStore offers vast archive capacity with minimal ongoing management cost. NearStore is an especially good solution for e-mail archives, as well as archiving medical and satellite images, MCAD drawings, integrated chip designs, home directories, etc. Now you can have all your valuable data online.

Easy Installation and Management

NearStore R100 is offered in configurations starting at 12TB and scaling up to 96TB, fitting easily into existing data storage infrastructures. Integration with NetApp DataFabric™ Manager makes system administration of 100TB more simple, straightforward, and cost-effective.

Unleash the Power of Information

See how NetApp can help you get more productivity and return from your storage investments. Simply visit our Web site at www.netapp.com. And let us show you what "The evolution of storage.™" means for your business.

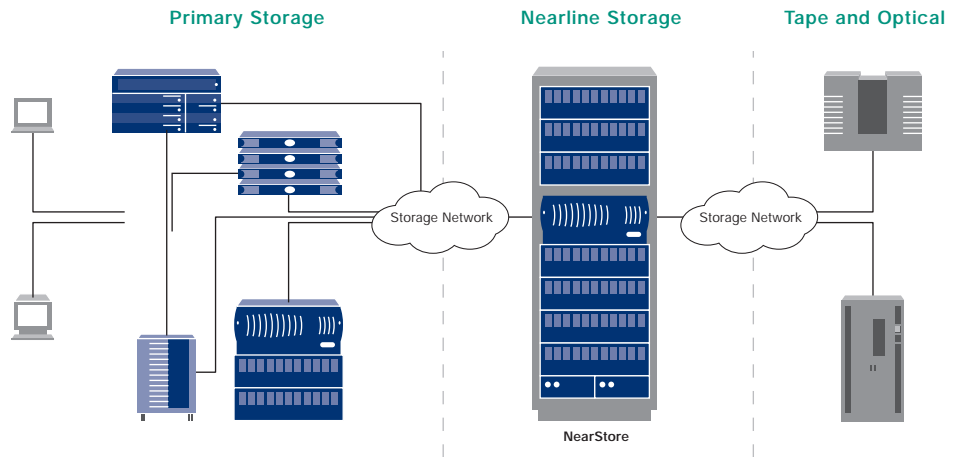


Figure 1) A Three-Tier Storage Architecture

NearStore is nearline storage, delivering fast data access at a price per MB between primary storage and tape or optical libraries. Data from many types of primary storage can be backed up or archived online to NearStore across local and wide area networks.