



NetApp®
Go further, faster



Software

NetApp Ethernet Storage Solutions

KEY BENEFITS

Reduce costs

Our multiprotocol, unified storage simplifies management, reduces costs, and improves efficiency.

Improve scalability

Solve your data management challenges of scalability and availability with our network-attached storage (NAS) solutions.

Increase value

Lower your administration costs by as much as 60% with our robust iSCSI storage.

Enhance flexibility

Protect your existing FC infrastructure and consolidate with confidence with NetApp® Unified Connect and support for Fibre Channel over Ethernet (FCoE).

THE CHALLENGE

Reduce complexity and simplify data management

The explosion of data growth forces IT administrators to deal with complicated technical and business challenges. Disparate server and storage systems, management of special-purpose applications, data center space and infrastructure constraints, and new budget pressures associated with environmental factors all combine to create a complicated environment to manage. Deploying dissimilar SAN and NAS storage solutions, each with its own platform and management, results in separate network storage infrastructures. Each infrastructure brings the potential for underutilized and captive storage, requiring multiple data recovery solutions, a variety of data management models, and potentially different teams of people.

THE SOLUTION

Reduce costs with our multiprotocol Ethernet storage

You need a storage solution with the flexibility to support all of your business applications, whether using NAS or SAN protocols, while also leveraging investments made in your traditional Fibre Channel infrastructure—all from the same storage system. Imagine not having to buy equipment every time your IT

requirements change, allowing you to respond more rapidly to new business challenges.

Enhancements to Ethernet are expanding its role as a storage fabric. Gigabit Ethernet has proven very effective in addressing the majority of application I/O requirements. And now the next generation of Ethernet, with 10-gigabit speeds and increased quality of service, is accelerating the move to consolidate IT resources and reduce cost. For applications such as consolidation and server virtualization, NetApp Ethernet storage is ideal. Our Ethernet-based storage systems, through their unified, multiprotocol architecture, have delivered consolidation and unification to our customers for over 15 years.

“NetApp’s IP storage solution enabled us to deliver capacity on demand. We’ve been able to shrink new-project storage activation from eight weeks down to days.” —Andrew Crabb, Group Manager, Data and Storage Solution Center, Telstra

Improve scalability

With NetApp NAS solutions, you can solve the data management challenges of scalability, availability, and consolidation for your existing Windows®, Linux®, and UNIX® file servers. To keep up with the growing needs

of your business, our portfolio of NAS solutions offers flexible provisioning, reliable backup, archiving, business continuity, and virtualization. Our NAS systems are the storage solution of choice for a variety of workloads: Windows and UNIX home directories and user file storage, database and business applications such as Oracle® and SAP®, and server and desktop virtualization such as VMware® and Citrix Xen. And with support for multiple file access protocols such as CIFS and NFS, you can consolidate and share files across your Windows, UNIX, and Linux environments.

Increase value

If you need a high-performing and highly reliable SAN, Fibre Channel isn't your only option. NetApp's robust iSCSI storage, along with our powerful data management software, gives you the best of both worlds: performance plus the familiar Internet Protocol. Today, more than 25,000 NetApp customers rely on our iSCSI solutions for

higher data availability, simpler data management, and better storage utilization. Whether you are a small to midsize company or a large corporation, our proven iSCSI solutions can meet your needs.

Enhance flexibility and consolidate

Fibre Channel over Ethernet can give you increased flexibility for your high-performance, data availability, and data management needs. FCoE extends Fibre Channel into the Ethernet environment, combining two leading technologies, the Fibre Channel protocol and Ethernet, to offer end users more options for SAN connectivity and networking. It also provides an evolutionary path for Fibre Channel SAN customers to migrate over time. As proof of our commitment to FCoE, NetApp is an active participant in the development and marketing of the FCoE standard and was the first vendor to ship native FCoE storage systems. FCoE is a logical progression of our unified storage approach of offering FC, iSCSI, and NAS in all of our enterprise systems.

NETAPP UNIFIED CONNECT

NetApp Unified Connect delivers data access using NFS, CIFS, iSCSI, and FCoE protocols concurrently over a shared network port using the NetApp unified target adapter. As a leader in Ethernet storage, first as a NAS pioneer and next as an early proponent of iSCSI, NetApp now leads with FCoE and Unified Connect. Thousands of our customers have deployed Ethernet storage to simplify data management, protect investment, and reduce total cost of ownership. And with NetApp Unified Connect you can build a flexible and efficient shared infrastructure today as your foundation for future-ready IT.

ABOUT NETAPP

NetApp creates innovative storage and data management solutions that deliver outstanding cost efficiency and accelerate performance breakthroughs. Discover our passion for helping companies around the world go further, faster at www.netapp.com.

