



NETWORK APPLIANCE™ FABRIC-ATTACHED STORAGE

NETWORK APPLIANCE FAS6000 SERIES



The NetApp family of fabric-attached storage (FAS) systems provides primary and secondary storage solutions from the department to the enterprise data center. The flagship FAS6000 delivers high, consistent performance and unmatched agility among storage alternatives for enterprise data centers.

THE CHALLENGE: Managing Data for Maximum Business Advantage

Enterprises across all industries are facing similar data management demands. The unrelenting growth of data, the requirements for regulatory compliance, and the need for continuous data availability combine to present a formidable challenge in the enterprise data center. In addition, there is constant pressure to do more with fewer resources at higher levels of service, which drives efforts to consolidate IT infrastructures. These demands call for large-scale enterprise storage that not only satisfies application-level service requirements but also is cost effective to purchase and maintain and has the flexibility to support continually changing business requirements.

THE SOLUTION: NetApp FAS6000 Series

Network Appliance is helping enterprises tackle the challenge of effective data management. The FAS6000 series storage systems increase business agility and reduce ownership costs without compromising application-level service requirement levels.

NetApp storage systems are easy to install, configure, manage, expand, and upgrade. Add these general characteristics to the performance, capacity, and remarkable versatility of the FAS6000 series, and you have an ideal platform for large-scale applications and storage consolidation.

PERFORMANCE

High performance and massive storage capacity are characteristics that make the FAS6000 series ideal for large-scale applications and storage consolidation. A FAS6000 system completes jobs more quickly and handles more users via a powerful, high-bandwidth architecture with scalability to over 1,000 disk drives. FAS6000 storage systems provide a high degree of I/O expandability, with up to 32 Fibre Channel ports or 48 Gigabit Ethernet ports.

FlexShare, a new standard feature of the Data ONTAP 7G operating system, ensures that critical workloads get priority service and consistent performance when the storage controller is operating at maximum load. When workload priorities change, FlexShare settings can be updated and in effect immediately.

KEY FEATURES

Performance

Delivers high, consistent performance for the largest applications and storage consolidation.

Application Availability

FAS6000 systems with Data ONTAP® enable application-level recovery in minutes, not hours, upon failure or user error.

Agility

Data ONTAP enables provisioning or reconfiguration of storage in minutes. FlexShare™ service priorities can be changed in seconds.

Total Cost of Ownership

Lower acquisition and operational cost than traditional large-scale storage.

APPLICATION AVAILABILITY

FAS6000 series storage systems combine a variety of features to meet the need for continuous availability. Complementing the high-availability hardware design is the proven reliability of the Data ONTAP operating system and RAID-DP,[™] which uniquely provides double-level RAID with negligible performance impact. The FAS6000 also supports simple, yet powerful synchronous and asynchronous mirroring as well as disaster recovery options.

Ultimately what matters is application-level availability, and this is where NetApp systems excel. Snapshot,[™] a standard feature of Data ONTAP, makes it possible to instantly revert to a previous version of data upon failure or user error. NetApp Snapshot copies are unique in that they can be created frequently during production, because they use only a small amount of incremental storage and have virtually no impact on performance.

AGILITY

Storage provisioning can take hours on other storage systems but requires only seconds with NetApp FAS systems. With policy-based space reservations, provisioning can be done automatically, without disruption to applications.

The unified architecture of a FAS6000 system eliminates the need to manage separate NAS and SAN storage because it provides concurrent support for both file and block protocols and interfaces. With support for Fibre Channel and SATA hard drives, the FAS6000 series also has the flexibility to be used for primary and secondary tiered storage.

Another feature of the Data ONTAP operating system, FlexClone,[™] enables the instant creation of clones without requiring incremental storage. FlexClone can dramatically accelerate test and development cycles for IT projects.

LOWER COST OF OWNERSHIP

NetApp storage systems deliver unsurpassed value for large-scale enterprise storage systems. In addition to having lower acquisition cost than traditional large-scale storage systems, the FAS6000 can dramatically reduce staffing costs because it is much easier to install and manage than alternative systems.

The unified storage architecture of the FAS6000 series eliminates the need to deploy multiple systems to address requirements for block and file storage. The cost of hard disk drives can be cut in half by using SATA drives instead of Fibre Channel or SCSI drives. Storage management is greatly simplified by the Data ONTAP operating system, which

drives down the cost of administering storage. Additionally, dramatic increases in capacity utilization have been demonstrated with the FlexVol[™] virtualization technology available in Data ONTAP 7G.

COMPREHENSIVE SERVICES

NetApp Global Services provides the comprehensive support and services required in the enterprise data center. NetApp ConsultingEdge provides a complete yet flexible set of consulting services to help you plan, implement, and optimize storage solutions. NetApp SupportEdge Premium offers a hybrid approach to support, combining expert on-site resources with innovative remote capabilities. SupportEdge Premium includes hardware and software installation, system monitoring, proactive notification, immediate reactive support, remote diagnostics, and a blend of remote and on-site repair. Quarterly storage availability audits and a software subscription plan are also included.

ABOUT NETWORK APPLIANCE

Network Appliance is a world leader in unified storage solutions for today's data-intensive enterprise. 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.

