NetApp™

Go further, faster

Systems

NetApp FAS3000 Series

Improve the availability and performance of your enterprise applications and consolidations with our cost-effective enterprise storage systems

THE CHALLENGE

Maximize your business advantage
In today's business environment, you are expected to manage, protect, and use data for maximum business advantage while delivering high levels of service, holding down costs, and adapting to continuous change. Your requirements call for networked storage systems that can consolidate data from multiple sources and serve many applications.

The enterprise storage systems you choose must:

- Provide high levels of application availability
- Scale with ease
- Improve IT staff productivity
- Deliver high performance
- Reduce overall costs

THE SOLUTION

Meet diverse needs with the NetApp FAS3000 series
Now you can simultaneously meet your diverse needs—SAN and NAS, primary and secondary storage—and provide high levels of application availability. With our FAS3000 series systems, you get outstanding value: our systems provide lower total cost of ownership than other midrange storage systems, excellent performance, and best-in-class scalability.

We help you simplify your storage infrastructure and improve productivity throughout your company by building our FAS3000 series systems to handle complex requirements so you don't have to.

You can leverage your staff expertise to cover a range of storage needs, from small remote office and departmental applications through the largest enterprise applications and consolidations, because the FAS3000 series is fully compatible with other systems in our FAS family.

EXPERIENCE VALUE AND PERFORMANCE

You can experience outstanding performance whether you run SAN-based business applications, technical applications, or home directories. To deliver the performance you require, all FAS3000 systems include:

- Large cache memory configurations
- Expandable, high-performance I/O
- 4Gb FC SAN support
- 10 Gigabit Ethernet support
- Data ONTAP® 7G operating system with FlexVol®

Our Data ONTAP 7G operating system adds to our high-performance hardware capabilities. We help you eliminate performance bottlenecks for your spindle-bound applications by striping data across a larger set of disk drives using FlexVol, a feature of Data ONTAP.

RECOVER IN MINUTES, NOT HOURS

You can achieve superior application availability with your FAS3000 systems when you use our Snapshot™ technology with our storage resiliency features and disaster recovery options. If you encounter human error or an application failure, you can perform file- or application-level recovery in minutes, not hours. Your FAS3000 storage systems help keep you up and running. Our storage resiliency features include RAID-DP® (our high-performance implementation of RAID 6) to protect you even in the event of a double disk failure. And, you are protected in the event of a catastrophe, with our suite of disaster recovery solutions.

REDUCE COSTS

We can help you reduce costs in all aspects of your storage ownership. You can leverage large-capacity SATA disk

drives for production applications with the superior protection of our RAID-DP. By maximizing storage utilization and simplifying data management you can dramatically reduce administrative costs. The FlexVol and FlexClone® features of Data ONTAP 7G will help you do just that.

ENABLE RESPONSIVENESS

You get unsurpassed business responsiveness by combining the flexibility of our FAS3000 series with the administrative ease of Data ONTAP 7G and NetApp® management tools. You can combine high-performance Fibre Channel with large-capacity SATA disk drives for both primary and secondary storage as needed. And, on the same system, you can seamlessly consolidate block and file storage. We make this possible by providing native support of the FCP, iSCSI, NFS, and CIFS storage protocols via both Fibre Channel and Ethernet interfaces.

With our systems, you can even consolidate data from dissimilar workloads without suffering poor response times during peak operating hours. To ensure that your important applications always get a fast

response, you can set and dynamically adjust workload priorities using our FlexShare™ technology. And because you can shrink or expand volumes on the fly with just a few simple commands, you can respond quickly to changing requirements.

When your business data and applications grow, our systems are ready for expansion. You can protect your existing investments in storage and staff expertise with our easy performance and capacity upgrade paths.

ENABLE YOUR SUCCESS

When you partner with our Professional Services and Global Support teams, you gain access to our extensive storage expertise, innovative technologies, and best practices. You can accelerate the return on your infrastructure investments and ensure that you get the most business benefit from them. We respond quickly to your problems, no matter where in the world they occur, and with one of the most flexible support programs in the industry, you always get just the support you need for your unique IT and business requirements.

FAS3000 SERIES OVERVIEW

BACKUP AND RECOVERY NEED	FAS3020	FAS3040	FAS3070
Maximum raw capacity	84TB	336TB	504TB
Maximum disk drives (FC, SATA, or mix)	168	336	504
Controller architecture	32-bit	64-bit	64-bit
Cache memory	4GB	8GB	16GB
Maximum Fibre Channel ports	20	32	32
Maximum Ethernet ports	24	32	32
Storage protocols	FCP, iSCSI, NFS, CIFS	FCP, iSCSI, NFS, CIFS	FCP, NFS, CIFS, iSCSI

Notes:
1. Specifications listed here are for active-active, dual-controller configurations.
2. Maximum ports specification combines integrated ports with I/O expansion cards.
3. FAS3000 systems support both 2Gbps and 4Gbps Fibre Channel interface ports.
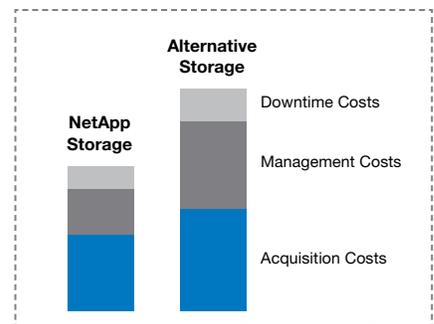
Figure 1) Proven lower TCO.
Studies by Mercer Management Consulting show that the total cost of ownership for NetApp storage systems is substantially lower than that of storage from other major vendors. Read the full reports at www.netapp.com/tco.

NetApp creates innovative storage and data management solutions that help you accelerate business breakthroughs and achieve outstanding cost efficiency. Discover our passion for helping companies around the world go further, faster at NetApp.com.

NetApp™

www.netapp.com