



NetApp™
Go further, faster



Systems

NetApp FAS2000 Series

Experience value and efficiency in a scale-out data environment

KEY BENEFITS

Increase efficiency

Bolster storage efficiency and increase storage utilization in distributed enterprises with our Data ONTAP® 7G operating system.

Adapt quickly to change

Expand capacity and add capabilities quickly and nondisruptively.

Reduce cost

Get the lowest TCO for an entry-level enterprise storage system by using internal storage in a cost-effective package.

THE CHALLENGE

Manage explosive data growth

Regardless of your company's size, the amount of data it collects and manages grows relentlessly. Ideally, you could centrally manage your data by consolidating data from a variety of sources into one location. However, geography, security issues, and departmental isolation all stand in the way. Yet you are expected to manage growing data, respond to business growth, ensure effective data backup and restoration, put disaster recovery solutions in place—and do it all on a shoestring budget.

THE SOLUTION

Build for now and the future

As your company grows, so does your need for efficient data storage. At NetApp, we think you should need to install a data infrastructure only once and then expand as your needs dictate. We don't believe in the "rip, replace, and retrain" upgrade philosophy. Our common end-to-end architecture makes it possible for you to expand capacity and add functionality to our systems quickly and easily. Our FAS2000 series systems deliver the right blend of price, performance, and scalability. Now you can bring enterprise-level storage to your departments and remote offices.

With FAS2000 series systems you get versatility:

- Integrated block- and file-level data access
- Intelligent management software
- Data-protection capabilities comparable to high-end systems
- Internal SAS (serial-attached SCSI) or SATA drives
- Versatile I/O connectivity
- Built-in remote management

You can use FAS2000 systems as primary and secondary storage for both block and file storage over Fibre Channel and Ethernet networks. Or they can be used in remote-to-core environments. The choice is yours.

INCREASE EFFICIENCY

Our operating system software, Data ONTAP 7G, helps you bolster storage efficiency through higher utilization of capacity, thin provisioning, and Snapshot™ technology.

With our FlexVol® technology, you use a single command to dynamically expand or contract LUNs and volumes. You can also use FlexVol for thin provisioning, which helps avoid the costly overprovisioning and time-consuming reconfiguration that are typical with other storage solutions.

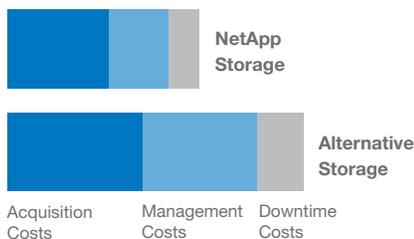


Figure 1) Proven lower TCO.

Studies by Oliver Wyman show that your total cost of ownership for NetApp storage systems is substantially lower than the cost of storage from other major vendors. Read the full reports at www.netapp.com/tco.

With FlexClone®, you can instantaneously create cloned LUNs or volumes without any additional storage. FlexClone also dramatically improves the effectiveness and productivity of application and database development and predeployment testing.

Our Snapshot technology provides up to 255 data-in-place, point-in-time images per LUN or file system. It enables you to perform near-instantaneous file-level or full data set recovery. And its minimal performance overhead makes it uniquely suited for protecting your production data.

ADAPT QUICKLY TO CHANGE

We believe that your data storage infrastructure should be able to grow as you grow. To us, scalability means more than adding more drives to an existing enclosure or adding capabilities through a string of point solutions. To us, scalability means giving you the ability to quickly expand your data management resources. That's why we designed our architecture to span your enterprise environment from entry level to high end. To help keep your costs in line and to blend seamlessly with your existing structure, we designed our FAS systems to operate using a single operating system and a common set of intelligent management

tools, backup and restore capabilities, and disaster recovery solutions.

With NetApp systems, you know that you can add capabilities and capacity as your needs dictate. One upgrade path gets you from 9TB (FAS2020) to 1176TB (FAS6080). No retraining or replacing is involved. We eliminate the hoops that others make you jump through to upgrade from entry to midsize to high end.

LOWER TCO

We take pride in our ability to provide you with the best data management solutions at the right price. Every aspect of our data management solutions is aimed at giving you more choice and more value than you get from others. When you compare our systems to alternative entry-level enterprise storage systems, you'll find that we deliver the lowest total cost of ownership. According to an analysis by Oliver Wyman, with a NetApp solution you get:

- Lower acquisition costs
- Lower management costs
- Lower system downtime costs

Managing server and application sprawl on a shoestring budget is no longer a challenge thanks to our FAS2000 series.

FAS2000 SERIES OVERVIEW	FAS2020	FAS2050
Maximum raw capacity	68TB	104TB
Maximum disk drives	68	104
Dual controllers	Yes	Yes
Cache memory	2GB*	4GB*
Maximum Fibre Channel ports	4	8**
Maximum Ethernet ports	4	8**
Storage protocols	FCP, iSCSI, NFS, CIFS	FCP, iSCSI, NFS, CIFS
Remote management (via LAN)	Yes	Yes

*Active-active controller configuration

**Expandable with PCIe expansion slots

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

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