

STRATUS® ftScalable™ STORAGE FAMILY

OPEN FAULT-TOLERANT STORAGE PLATFORM for High Performance Applications

Real time data is growing. So it's no surprise that improving data storage recovery and managing data growth is a top priority for organizations. Security and compliance regulations, performance bottlenecks, fast, accurate data recovery, scalability and ensuring data availability are all challenges that need to be addressed to achieve successful data management.

Stratus' ftScalable G3, seamlessly integrated with ftServer Gen8, is the next generation hybrid storage array that optimizes performance and simplifies data storage and management, while minimizing costs, for an always-on complete availability/storage solution.

It packs maximum performance and availability into an economical, scalable, 2U powerhouse. This high-performance, modular array addresses dedicated, shared, and networked storage requirements allowing you to dynamically configure and grow your system as quickly as needed. Advanced storage capabilities enabled by pooled storage maximize performance and availability of spinning or solid-state based storage. The ftScalable storage array plays an integral role in critical application solutions and serves as a key element in disaster recovery, business continuity and regulatory compliance strategies.

Key Benefits

- Manages “hot” and “cold” data storage in real time to deliver storage performance that's comparable to all-flash arrays at a fraction of the price
- Accelerates business processes 3x by automatically virtualizing storage across device types simplifying disk management in heterogeneous environments
- Provides continuous availability in a flexible, high performing array
- Expands up to six shelves with up to 90k IOPS, 144 spindles and 172 terabytes of storage, for business growth and maximum investment protection
- Protects sensitive data with encrypted disk technology

Key Features

Increase performance and reduce costs with Real-Time Data Tiering

Autonomically measures data usage, identifies “hot” spots as they occur and continuously moves data to the best tier in real time, even as that data changes minute by minute.

Increase cache capacity and IOPs performance with Read Cache

Supports SSD/HDD configurations that dramatically increases the amount of read-cache available to the storage system. Using one or two SSDs in the storage configuration automatically activates the read-cache function which can improve overall performance of read intensive applications and workloads.



Save by purchasing only what you need with Thin Provisioning

Streamlines the tasks of provisioning and modifying volumes, allowing IT managers to respond to data growth as needed. User friendly reporting provides constant feedback on volumes, approaching thresholds, allocation, and over-allocation. IT managers can add storage when needed, easily expanding volumes non-disruptively.

Get 100% dedicated device assignment with LUN Pinning

Allows IT managers to pin certain applications to the high performance tier to assure that mission critical applications are always prioritized on SSDs or high-performance drives.

Improve system up-time and data protection with Quick Rebuilds

Rebuilds only the data that is being used, restoring fault-tolerance with 2-5x the performance of standard rebuild designs.

Streamline the creation of point-in-time images with Virtual Snapshots

Snaps volumes multiple times with no performance impact for improved backup and recovery. Snaps can be nested hierarchically and are fully writable. New Advanced Copy Services which includes point in time snapshots and asynchronous replication allow up to 1024 snapshots to be taken, at any time, with zero impact on storage performance.

Accelerate business processes with Pooled Storage

Automatically virtualizes storage across device types and simplifies disk management in heterogeneous environments while enabling a wide array of advanced features, such as thin provisioning, rapid RAID rebuild, and tiering.

Streamline storage management with the Management Console

Includes performance monitoring, a dashboard for provisioning and storage tiering, provisioning reports by volume, wizards for configuration, installation and provisioning and customized views of storage.

Prevent unauthorized access to data with encryption drives

Provides data security through full disk encryption with support for HGST and Seagate® Full Disk Encryption (FDE). Self-encrypting drives encrypt every write operation and decrypt every read operation without user intervention. FDE drives remain fully protected with an encryption key.

Facilitate Business Continuation With Asynchronous Replication

Perform asynchronous (batch) replication of block-level data from a volume on a local storage array to a volume that can be on the same system, or on a second, independent, remote system.



24/7/365 Worldwide Comprehensive Solution Services

We diagnose, trouble shoot and resolve problems online. And our fully supported phone-home capabilities will link you directly to our support experts the instant any problems are detected. In addition to our global technical support services, we also provide award winning Professional, Managed and Educational Services.

System Specifications	
Storage System Summary	
Chassis configuration	2U, 24 Small Format Factor (SFF) drives
Maximum chassis modules	6
Maximum disks	144
Maximum capacity (full array)	172/86 TB: 10K / 15K SAS
RAID levels	1, 5, 6, 10
Host ports	4 per controller/8 per array
Host connectivity	16 Gb Fibre Channel, 10 Gb Ethernet, or mix-and-match
High-performance cache technology	DupliCache; EnviroStor
Software	
	Auto tiering
	Asynchronous snapshot replication
Drive Type	
	Please visit www.stratus.com/ftserver/disks for supported disk drives
Availability Features	
Redundant components	RAID I/O modules; power supplies fans
Hot standby spare	Yes
Automatic controller failover	Yes
Multi-path I/O support	Yes
Quick rebuild	Yes
Hot-swappable, field serviceable	Drives, RAID I/O modules; power supplies/fans
Supported Operating Systems	
Microsoft®	Windows® Server® 2008 R2 and 2012 R2
Red Hat Enterprise Linux Server	RHEL 7
VMware	vSphere 6
Power and Packaging	
Input voltage	100 - 240 VAC; 50 Hz, 60 Hz 4.5 A max., per unit, 400 W
Enclosure dimensions (H x W x D)	3.5" (2U) x 17.6" x 23.6" (rackmount)
Weight (fully loaded)	51.8 lbs./23.5 kg
Environmental	RoHS, China RoHS, WEEE

