

Protect your Data at Rest on Stratus V Series

Enhanced ftScalable storage with self-encrypting drives now supported on V Series 2404, 4408, 6408 and 6512 systems

Stratus V Series is legendary for the continuous availability and data integrity it provides mission-critical transactions processing systems. Now protect your data at rest, using new ftScalable storage arrays with self-encrypted drives, while also protecting your investment. Ensure compliance with data security regulations, and simplify data management.

Comprehensive data protection involves more than just making sure it's not lost or corrupted when a system fails or a server unexpectedly goes down. It also means protecting it from a malicious attack or an orchestrated theft.

Stratus V Series systems deliver unmatched system reliability, availability, and serviceability, protecting your critical business data from corruption or loss. In addition, they now support modular, scalable, self-encrypted disks, to secure your data at rest, and deliver a more holistic data security solution. Furthermore, these new disks can be managed with existing storage management interfaces. Quickly protect your data, and easily ensure compliance with data security regulations like PCI DSS, GLBA and SOX, by using enhanced ftScalable storage with Stratus V Series systems.

Key features

Full Disk Encryption (FDE) support: Self-encrypting drives encrypt every write operation and decrypt every read operation without user intervention. FDE drives remain fully protected with an encryption key, preventing unauthorized access.

Improved array controller with enhanced DupliCache mirroring: Improve sequential read write IOPS up to 5X, random read write IOPS up to 1.5X, resulting in up to 50% better overall IOPS performance.

Quick rebuilds: Improves system up-time and data protection by rebuilding only the data that is being used, restoring fault-tolerance 2-5 times faster than with conventional storage designs.

Key benefits

- **Enhanced security:** Protection for your data at rest. Full disk encryption with pass phrases and persistent lock keys ensures data written to ftScalable is secured, even when disks are physically removed.
- **Improved performance:** Up to 50% greater disk IO performance. Faster processors and larger cache result in both sequential and random read write improvements.
- **Investment protection:** Extended V Series systems lifecycle. Use secure, modular, ftScalable G3 storage, to extend the useful life of both current and next generation V Series systems.

Modular, scalable design: Expands to six shelves, with up to 90K IOPS, 144 spindles, and 172 terabytes of storage.

EnviroStor technology: Long lasting, fast charging capacitors meet RoHS and WEEE environmental standards, and eliminate the need for battery backup.

Availability

These enhanced ftScalable G3 storage arrays are only available as an upgrade to existing systems, and not available with new V2404, V4408, V6408, or V6512 systems.



| Technical Specifications | |
|---|---|
| Storage Subsystem / RAID Array (when upgrading V4408 / V6408 / V6512) | |
| RAID configuration from factory | RAID 1 |
| Maximum chassis modules | 3 logical, 6 physical |
| Disk drives supported | 300 GB or 600 GB encryption ready (2.5" 15K RPM SAS) 400 GB encryption ready Solid State Disk (2.5" SAS) |
| Maximum disks | 72 logical, 144 physical (in RAID 1 configuration) |
| Maximum disks per chassis module | 24 physical |
| Host interface | 16 Gbps fibre channel (negotiates to 8 Gbps) |
| Fibre channel switches | Connects via FC switches of system being upgraded |
| Storage Subsystem / RAID Array (when upgrading V2404) | |
| RAID configuration from factory | RAID 1 |
| Maximum chassis modules | 1 logical, 2 physical |
| Disk drives supported | 300 GB or 600 GB encryption ready (2.5" 15K RPM SAS) 400 GB encryption ready Solid State Disk (2.5" SAS) |
| Maximum disks | 24 logical, 48 physical (in RAID 1 configuration) |
| Maximum disks per chassis module | 24 physical |
| Host interface | 16 Gbps fibre channel (negotiates to 8 Gbps) |
| 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 | |
| Stratus Technologies® | VOS 18.1 |
| 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 |

Upgrade process

Updating your storage requires the purchase of the arrays, and the purchase of a Stratus Technologies Professional Services engagement. Stratus Professional Services will validate your upgrade request, ensure that all necessary connections for the upgrade are available, and provide on-site installation services. These services will include the migration of data from your current arrays to your new storage arrays. The data migration process typically consists of the following:

- Temporarily connecting new arrays to the installed system
- Migrating data from existing arrays to the new arrays
- Updating the system OS to VOS 18.1
- Removing the old arrays
- Permanently installing the new arrays

Compatibility with existing storage arrays

Your existing storage arrays will be replaced by the new storage arrays being installed. Existing storage arrays may not be used in conjunction with the new storage arrays, except during the one-time data migration process performed by Stratus Technologies Professional Services.

For more information

For more information, please contact your local Stratus sales representative, or visit www.stratus.com.

