Stratus ftServer V Series 4408 System

V Series 4408 systems combine the stability of OpenVOS with the power of eight Intel® Xeon® processor cores

Stratus servers running the OpenVOS operating system are highly valued for their ability to deliver industry-leading uptime assurance. The V Series 4408 combines the stability of the OpenVOS operating system with the power of eight Intel®Xeon® processor cores.

The V Series 4408 features a dual modular redundancy (DMR) hardware architecture engineered to provide greater than 99.999% uptime right out of the box. V Series 4408 servers are designed for high volume business applications—delivering outstanding perform-ance at a compelling price.

Taking advantage of the performance and capacity of V Series servers couldn't be simpler. You benefit from familiar VOS functionality that includes the availability protection you've come to rely on. Moving your mission-critical applications to V Series servers is easy and uncomplicated. Your existing Continuum®-based applications can be migrated by recompiling the application. Or call on Stratus Professional Services experts to assist with the migration.

After migrating, you'll find that ftServer V Series systems and applications will interoperate with your installed PA-RISC® servers running VOS. The same exceptional serviceability you are accustomed to— including server self-monitor-ing, the Stratus Remote Service Network (RSN™), and Assured Availability℠ service coverage* — continues to defend against unplanned downtime around the clock.

Continuous Processing features

Like other Stratus systems, V Series servers use Continuous Processing® technology to safeguard uptime without the operational complexity and added costs inherent in high-availability clusters. Built-in fault tolerance eliminates the failover scripting, repeated testing, and application changes required with server clusters.

Lockstep technology

With Stratus' lockstep technology, replicated, fault tolerant hardware components process the same instructions at the same time. In the event of a component malfunction, the partner component acts as an active spare that contin-ues normal operation. There is no system downtime and no data loss.

* Customers must have a Stratus Assured Availability Services Agreement in effect to receive coverage

Uptime. **All the time.**

Stratus mission-critical services and Open Source software products extend V Series functionality and value

Stratus OpenVOS

Mission-critical
uptime assurance

OpenVOS operating system

V Series servers run Stratus' OpenVOS operating system, providing unprecedented levels of uptime. OpenVOS contains a POSIX programming interface, GNU Tools and C/C++ compilers. This Open Source package provides Linux® and UNIX® programmers with a familiar development environment. OpenVOS 17.1 also includes Kona, an implementation of the Java® programming language. Kona is based on the OpenJDK® source code.

Uptime-protecting service

Stratus V Series servers are designed to continuously monitor their own operation. If a problem is detected, the server correctly isolates the condition, and automatically opens a call that tells the Stratus support center exactly what action to take. Remote support capabilities — made possible by the system's design and the worldwide Remote Service Network — enable our service engineers to troubleshoot and resolve problems online more than 95% of the time. The system also automatically orders its own hot-swappable replacement part when necessary.

SOFTWARE PRODUCTS

FOR V SERIES SYSTEMS
- Kona (based on OpenJDK source code)
- Apache® Web Server with PHP
- MySQL™ database
- IBM® WebSphere MQSeries® 6 software
- OpenSSL and OpenSSH
- Samba file server: (for Microsoft® Windows® compatibility)
- EMANATE® SNMP agent
- BRASS™ SNMP Server
- SightLine™ performance management tools
- Enterprise Backup Agent (NDMP)
- JAM® application manager
- Open StrataNET® / StrataLINK®
- Transaction Processing Facility (TPF)
- Forms Management System (FMS)
- X.25 / X.29 Network Facility
- GNU industry-standard compilers and tools
- COBOL compiler
- PL/I compiler
- FORTRAN compiler
- ANSI C compiler
- RADIUS authentication protocol
- IPsec and IKE
- RPC / XDR

Uptime. **All the time.**

Price/performance

V Series 4408 systems deliver outstanding performance for high-volume business applications — at a compelling price

Stratus 24 7 ™

intel Xeon inside™
**Powerful.
Intelligent.**

ftServer V Series 4408 system specifications

PROCESSORS / MEMORY

Logical processors	2-sockets (per CRU)
Processor	Intel® Xeon® processor E5504, 2.0 GHz
Cores	8 (per CRU)
L2 cache	4 MB shared per processor
Intel QPI speed	4.8 GT/s
Min/max memory	4, 8, 12 GB

I/O SUBSYSTEM

PCI adapter slots	8 PCI-Express (4 per CRU)

STORAGE SUBSYSTEM / RAID ARRAY

RAID configuration from factory	RAID 1
Maximum chassis modules	3 logical, 6 physical
Disk drives supported	73GB, 146GB (2.5" 15K RPM SAS)
Maximum disks	72 logical, 144 physical
Maximum disks per chassis	24 physical
Maximum capacity per chassis	3.5 TB
Host Interface	8 Gbps Fibre Channel
Fibre Channel switches	2 (8 Gbps switched fabric)

EMBEDDED I/O

10/100/1000 Ethernet ports	4 (2 per CRU)*
DVD-R/W	1
Serial (com) ports	2 (9-pin ports per system, console and RSN use only)

PCI ADAPTERS

Fibre Channel	2 included in base configuration (1 per CRU)
1 Gigabit 4-port Ethernet (Copper)	up to 6 optional (3 per CRU)
1 Gigabit 4-port Ethernet Sx (Fiber)	up to 4 optional (2 per CRU)
10 Gigabit 2-port Ethernet Sx	2 optional (1 per CRU)
Sync	CompactPCI; 8-port adapter (via NIO)

SERVICEABILITY

Remote Service Network	Standard
Hot-swappable components	CPU and I/O modules, disks

OPERATING SYSTEM

OpenVOS	Version 17.1 or later

POWER AND PACKAGING

Input voltage	200-240 VAC;50 Hz, 60Hz
Cabinet	Stratus supplied 38U
Weight	567 kg (1,250 lbs.)

* One pair of ports are available on non-NIO configurations, none are available on NIO configurations

Specifications and descriptions are summary in nature and subject to change without notice.

**Stratus®
Technologies**

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