Stratus ftServer V Series 6408 System

V Series 6408 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 6408 combines the stability of the OpenVOS operating system with the power of eight Intel®Xeon® processor cores.

The V Series 6408 features a dual modular redundancy (DMR) hardware architecture engineered to provide greater than 99.999% uptime right out of the box. The V Series 6408 handles unprecedented levels of online transaction processing (OLTP) for applications such as trading systems in financial services and point-of-sale (POS) debit- and credit-card authorization. With exceptional headroom for application growth, these servers ensure unequaled investment protection.

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.

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

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-monitoring, 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 continues normal operation. There is no system downtime and no data loss.

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 Services 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

High-volume OLTP

V Series 6408 systems handle unprecedented levels of transactions and offer exceptional headroom for application growth

ftServer V Series 6408 system specifications

PROCESSORS / MEMORY	
Logical processors	2-sockets (per CRU)
Processor	Intel® Xeon® processor E5570, 2.93 GHz
Cores	8 (per CRU)
L2 cache	8 MB shared per processor
Intel QPI speed	6.4 GT/s
Min/max memory	8, 16 GB
I/O SUBSYSTEM	
IPCI 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

Stratus 24x7

intel Xeon inside

Powerful. Intelligent.

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

Stratus® Technologies

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