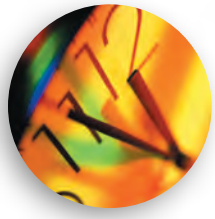
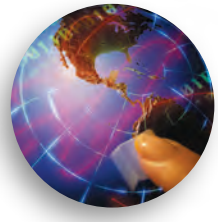
Failsafe ftServer® System Software



Continuous Availability



Operational Simplicity

Financial Advantage

Reliability and availability are vital when it comes to your business-critical applications. And when you choose a Stratus® ftServer® system, you get even more than the world's most reliable server hardware. Only our Continuous Processing® technology brings you comprehensive uptime protection that extends to failsafe system software — a suite of innovations that prevent outages and minimize downtime.

Our ftServer System Software adds to the high reliability of the Microsoft® Windows Server™ 2003 and Red Hat® Enterprise Linux® 4 operating systems while remaining fully application binary interface- (ABI) compatible with these standard environments. Stratus ftServer systems have passed the same rigorous Red Hat Certification and Windows® Hardware Compatibility Tests (HCT) as other servers, so you can rest assured that Windows or Linux applications will run compatibly on our systems.

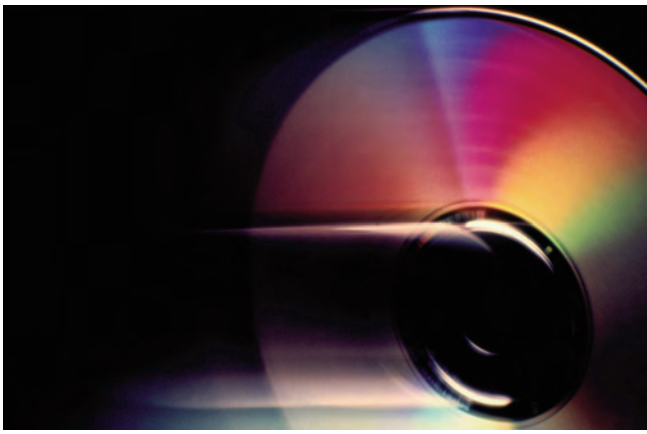
The advantage: Now it's easier and more affordable than ever before to benefit from industry-leading uptime that surpasses 99.999%. Windows- and Linux-based applications automatically take advantage of the Continuous Processing features of ftServer systems, including our lockstep technology and ActiveService™ architecture.

What's more, this failsafe software works in concert with our fault-tolerant, replicated hardware components to preempt problems caused by transient hardware errors. Unlike typical servers or clusters, ftServer hardware and software handles such errors transparently, shielding the operating system, middleware, and application software. In-memory data is constantly protected and maintained.

By collaborating with Microsoft and Red Hat on operating system availability — and with more than 25 years of ensuring uptime — no other vendor is better prepared than Stratus Technologies to help you maximize the availability of your computing solutions.

Stratus ftServer System Software

- **Integration with ActiveService architecture**
  ActiveService architecture is distinguished by its advanced, continuously available remote service features. They enable on-demand access to expert support engineers through the Stratus service infrastructure. Your support professionals also have direct access to a set of powerful and robust tools that makes it far easier to monitor and troubleshoot your mission-critical systems.



ActiveService Access capabilities, built into every ftServer system, form a strong foundation for the technology-enabled service that contributes to the family's outstanding uptime performance. These proactive features fall into three main categories: monitoring, diagnostics, and alerts; system availability and recovery; and remote access.

- **Quick dump**
  In the event of an operating system outage, ftServer systems automatically restart — without sacrificing the information needed to analyze the cause. The server keeps one replicated CPU/memory unit offline while restoring the rest of the system to normal production. A full memory dump of the offline CPU/memory unit takes place only after the system and applications are back in operation.

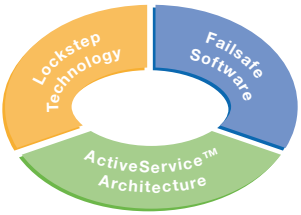
Failsafe System Software features:

- Integration with ActiveService architecture
- Quick dump
- Hardened drivers
- Rapid Disk Resynchronization
- Open driver technology*
- ftGateway™ feature*
- Active Upgrade™ technology*

* Available on ftServer Windows-based systems only

Stratus ftServer™

Prevent, diagnose, and resolve software issues with Stratus ftServer System Software.



The Smarter Approach to Uptime™

Stratus ftServer systems offer you the most complete set of availability safeguards in the business.

- **Hardened drivers**
  Hardened device drivers considerably strengthen availability protection and data integrity in your Windows and Linux environments. This value-added ftServer software manages replicated PCI I/O interfaces and ensures uninterrupted system operation if an I/O interface should fail. Hardening also prevents faults in driver hardware and software from compromising data integrity.

- **Rapid Disk Resynchronization (RDR)**
  RDR delivers higher levels of availability and greater data protection through RAID 1+0 for mission-critical applications. RDR also enables significantly faster resynchronization of new data disks and virtually eliminates any impact to your ongoing operations. Following a transient error disk removal, insertion, or other event that suspends data recording, the system will automatically track changes. Only the changed blocks are remirrored to the affected disk.

  In addition to these features, the RDR utility for ftServer Windows-based systems continuously sweeps the disks for bad blocks, fixes them, and updates from the mirrored disk.

The following additional failsafe software features are available on Windows-based ftServer systems.

- **Open-driver technology**
  The embedded open-driver technology found in ftServer System Software for Microsoft Windows Server 2003 allows third-party device drivers that pass Windows Hardware Quality Lab (WHQL) tests to take advantage of these hardening features without requiring Stratus-specific code or calls written into the driver software.

- **ftGateway™ feature**
  Multiple ftServer Windows-based systems can share a common dial-up connection to the Stratus ActiveService network. This reduces the need for phone lines and makes it easier and less costly to manage service connections for multiple systems located at a single site.

- **Active Upgrade™ technology**
  Stratus' Active Upgrade technology is a first-of-its-kind technology for fault-tolerant Microsoft Windows operating system environments. It enables customers to perform online software upgrades and critical operating system hot fixes without having to take the server or application offline for extended periods. Active Upgrade technology adds a new availability dimension beyond the field-proven 99.999% uptime protection for which Stratus servers are known.

  The Active Upgrade technology addresses major sources of planned server downtime necessary to install upgrades and enhancements to operating systems, service packs, applications, and system software. IT departments today are particularly concerned about how to deal with the frequent hot-fix patches issued by Microsoft to protect users and ensure the security of its Windows operating system. Active Upgrade technology will make the updating process much less disruptive to business continuity.

  Made possible by the next-generation Stratus-designed chipset in the ftServer product line, Active Upgrade technology enables online upgrades by splitting the fully redundant system into two independently running servers. While one server continues to run the application without interruption, software updates are applied to the other server. The two sides are then synchronized and returned to fault-tolerant operation as one logical server.

Stratus Technologies

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intel Xeon inside Dual-core. Do more.

intel Xeon inside Quad-core. Unmatched.

Designed for Microsoft Windows Server 2003

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vmware

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

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