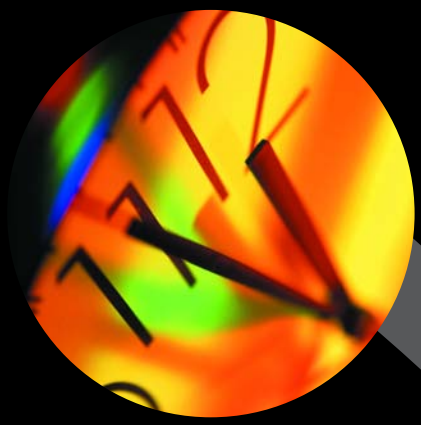
Stratus® ftServer® Family Overview

Count on Stratus to deliver continuous availability, operational simplicity, and financial advantage.



Continuous Availability

Operational Simplicity

Financial Advantage

Count On Stratus

The Stratus ftServer family: all the Continuous Processing features to keep your business running 24/7. None of the added complications or costs.

No one delivers availability like Stratus.

Our uncompromising commitment to uptime is visible every day. Stratus is the first and only server vendor to report the reliability of its installed base of systems worldwide.

The Stratus Uptime Meter℠ is refreshed daily from actual field data and displayed on our Web site. The results report that ftServer systems surpass five nines of availability.

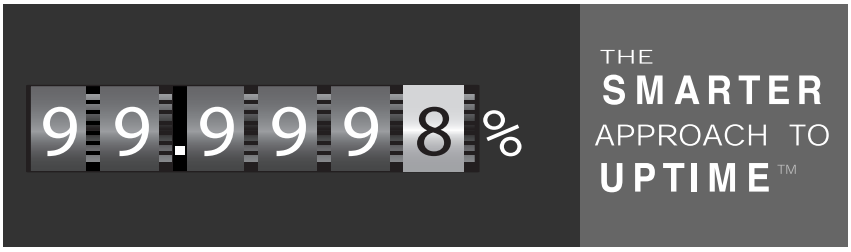
When business-critical or mission-critical applications demand continuous uptime, there's no reason you should settle for less. And our fault-tolerant ftServer family proves you don't have to.

Only Stratus Technologies combines enterprise-class Microsoft® Windows Server™ 2003 or Red Hat® Enterprise Linux® 4 computing with our Continuous Processing® technology in the most reliable servers on the planet. Our innovative design eliminates the operational complexity and high costs inherent in high-availability approaches such as clusters — making the industry's ultimate level of uptime protection more practical and more affordable than ever.

It gets even better. Our line of Intel® processor-based ftServer systems runs standard Windows or Linux applications absolutely unchanged. Not only will your enterprise deploy applications rapidly and immediately benefit from unmatched availability safeguards, these familiar open environments will also enable your IT team to be more effective over the long haul.

From entry-level model to enterprise powerhouse, we've engineered every system in our ftServer family with the built-in capabilities you need to ensure uptime for essential applications and systems: enterprise messaging, electronic mail, database management, ATM transactions, financial services networks, point of sale, public safety, manufacturing operations management, enterprise telephony, healthcare, government and much more.

This is a line of servers with unmatched robustness for the rigors of high workload environments including data centers and server consolidation. At the same time, you gain the operational simplicity that is a must for remote, lights-out computing.



Hardware- and software-related incidents, including the Microsoft Windows and Red Hat Enterprise Linux operating systems, are part of the measurement.

Stratus delivers continuously available solutions with unmatched operational simplicity, providing a compelling financial advantage to our customers.

Plug in your ftServer system and let the benefits begin.

Component replacement takes place while the system continues normal operations. Hot-swappable components allow users to accomplish the task themselves.

When downtime prevention is an afterthought, as in high-availability clusters, you have to wait longer to reap the benefits and do a lot more work to sustain the results. When you start up an ftServer system, the advantages begin immediately and continue throughout the life of your system.

Continuous availability

The ftServer family delivers five nines — 99.999% — and greater uptime. We call this "continuous availability." From the user and application perspective, the Stratus approach to availability is both automatic and transparent because every system is designed expressly to ensure uptime. Simply power up the server and load your Windows- or Linux-based application to benefit from our Continuous Processing technology.

Operational simplicity

Bid farewell to the complications of cluster deployment and ongoing maintenance. By integrating Stratus Continuous Processing capabilities into every system we ship, we eliminate failover scripting, repeated test procedures, and the special effort required to make applications cluster-aware. The ftServer family automatically provides zero failover time and critical protection for data in memory as well as on disk — big advantages you don't get from clusters. As a result, your IT staff is free for other projects that are a priority for your business' success.

Financial advantage

Competitively priced to buy or lease, the ftServer family dramatically reduces the initial purchase price of fault-tolerant systems and cuts the costs of ongoing support expenses and unplanned downtime. Stratus ftServer systems are less expensive than a UNIX® cluster or an HP® NonStop™ server.* With uptime that exceeds 99.999%, these systems do a better job than the competition at shielding you from the consequences of unplanned outages.

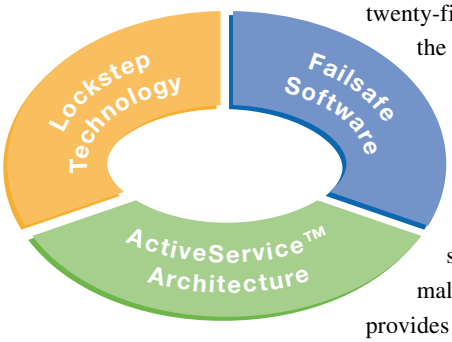
Continuous Availability

* Comparison depends on configuration. .

The most reliable servers anywhere. Right out of the box.

Achieving five nines or better uptime day after day, year after year, requires servers with uptime safeguards that are integral to their design. That's the reason every aspect of the ftServer system — hardware, software, and service — works together to prevent unplanned downtime, not just minimize it.

These Stratus innovations are the result of more than twenty-five years' experience of assuring uptime for the world's most demanding applications.



The Smarter Approach to Uptime™

Count on Stratus Continuous Processing technology for the most complete set of availability safeguards in the business.

Lockstep technology

Lockstep technology uses replicated, fault-tolerant hardware components that process the same instructions at the same time. In the event of a component malfunction, the redundant component provides an active spare that continues normal operation and averts system downtime. The system also eliminates transient hardware errors that could cause software failures if left unchecked.

Hardware logic, in the form of Stratus chipsets, provides the core error detection, fault isolation, and synchronization logic for the lockstep architecture. These chipsets embody years of Stratus' availability focused research and fault-tolerant engineering expertise. Combined with industry-standard hardware and software, they deliver greater performance in a highly integrated, cost-effective package.

While other servers may offer duplicated power supplies, fans, and disk drives, only Stratus provides protection for core system components including motherboards, processors, memory, I/O buses, and I/O adapters.

Failsafe software

Our failsafe software works in concert with lockstep technology to prevent many software errors from escalating into outages. Unlike typical servers or clusters, ftServer hardware and software handles such errors transparently, shielding the operating system, middleware, and application software. Even in-memory data is constantly protected and maintained.

Management and diagnostic features also capture, analyze, and notify Stratus of software issues. This allows support personnel to take a proactive approach to correcting software problems before they recur. Our hardened device drivers also add considerable reliability to the Windows or Linux environment running on your ftServer systems.

ActiveService™ architecture

Our unique combination of ActiveService capabilities enables built-in serviceability that other vendors simply can't match. For starters, Stratus ftServer systems constantly monitor their own operation. When a fault 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 enable Stratus service engineers to troubleshoot and resolve problems online more than 95% of the time. If necessary, the system automatically orders its own hot-swappable replacement part and ensures the correct part is delivered within 24 hours to key locations worldwide. Users can install replacement components easily while the ftServer system continues to run uninterrupted. What's more, our secure Web-based ActiveService Manager allows Stratus and customer-authorized vendors to collaborate on faster problem resolution.

Quick to deploy, simple to operate — at peak levels of uptime.

ftServer architecture

Stratus ftServer systems use a standard dual modular redundancy (DMR) configuration.

Redundant components within the system operate in lockstep — processing the same instructions at the same time — to ensure maximum protection for your most critical solutions.

Unrelenting pressure on performance and budgets means that enterprises are placing greater reliance on information technology. But IT budgets and resources are also caught in a squeeze. As if these stresses weren't enough, rapid implementation becomes an added requirement wherever strategic applications save money, increase revenue, improve effectiveness, or enhance customer satisfaction.

A tall order? The ftServer family offers the remarkable operational simplicity you need to turn these goals into reality.

Rapid deployment

Because fault-tolerant ftServer systems supply uptime protection without added effort, they eliminate the time-consuming and people-intensive work needed to implement high-availability clusters. An ftServer system can be installed — with the application loaded and ready for operation — in less than a day. The single-system view presented by these systems results in much simpler operation compared with multi-node clusters.

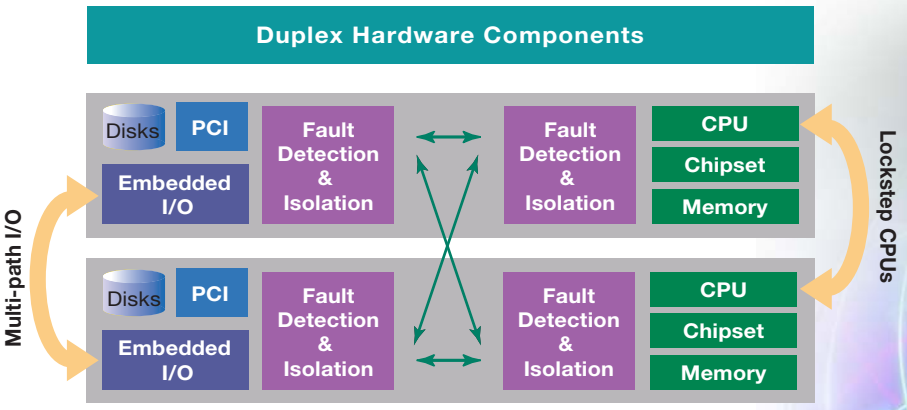
Seamless integration

Our ftServer systems are administered as single systems, so that your organization can use standard Windows or Linux management tools and procedures. You save even more on operational costs because you can leverage existing skills and staff training. In contrast, managing clusters involves special skills as well as additional configuration and management procedures beyond those needed to manage standard servers.

Standard and open

These systems are based on industry-standard Intel processors and Microsoft Windows Server 2003 or Red Hat Enterprise Linux 4 operating systems. The ftServer family meets qualifications for the Microsoft Hardware Compatibility List (HCL) and Red Hat Certified Hardware Catalog— your assurance that standard Windows- or Linux- compatible software will run flawlessly on ftServer systems without any modification. This immediate access to applications is yet another clear advantage that Stratus servers offer compared with clusters, which require that applications be modified for cluster operation.

Lockstep processing



Operational Simplicity

Compelling financial advantage is the bottom line.

ftServer systems add immediate value.

The built-in continuous availability and operational simplicity of Stratus ftServer systems add up to compelling financial value for your organization.

Whatever business benefits or technical advantages a technology may promise, the decision to make an IT purchase ultimately rests on the bottom line. Examine the facts, and you will see that the features and benefits of the ftServer family add up to significant economic advantage for your enterprise.

Lower initial purchase price

The initial purchase price of an ftServer system is a fraction of the cost of comparative high-availability UNIX clusters or proprietary fault-tolerant servers. And unlike multi-node clusters that involve a minimum of two separate servers, the single-system nature of ftServer systems may result in lower fees for software licenses.

Reduced total cost of ownership (TCO)

Because cost of ownership includes recurring expenses, computing industry experts agree that TCO outweighs the purchase price of an enterprise server by many times. A realistic calculation of TCO not only takes into account initial hardware and software expenses, but also factors in deployment, training, and system management.

The ftServer family of systems cuts the cost of ownership with its continuous availability and operational simplicity. You'll find this approach to be quite different from high-availability clusters, which require failover scripting and testing to be configured correctly — a cycle that must be repeated each time there is a change to the hardware or software.

Avoiding downtime costs

For business- or mission-critical applications, however, unplanned downtime represents the single biggest cost. The consequences of even a brief outage can be severe: lost revenue, forfeited sales, diminished productivity, overtime expense, stalled communications, dissatisfied customers, financial or legal penalties. Depending upon the application, the cost of downtime can run at tens of thousands of dollars per minute or more. Life and property may even be at risk when public safety or emergency systems fail.

With better than five nines of uptime in real-world customer installations — 1/50th the downtime of an Intel processor-based cluster* — no competing server prevents downtime like ftServer systems.

Financial Advantage

*Comparing Stratus Uptime Meter with Standish Group Study 2003.

Put our Continuous Processing capabilities to work wherever you need them.

Our range of fault-tolerant ftServer systems brings you the flexibility to put continuous availability in any setting where you need it. Every model, entry-level to high-end, is based on a modular physical design with many shared components as well as a common chassis and backplane design. This approach produces important new advantages across the entire product line:

- rack-optimized packaging that conserves space
- superior price-performance
- maximum investment protection
- simplified serviceability

Whichever ftServer model you choose, you're sure to benefit from business continuity, data integrity, customer satisfaction, and the highest levels of uptime in the industry.




Stratus ftServer family



	2500 Model	4400 Model	6200 Model
Positioning	Highly affordable, entry-level, fault-tolerant server	• Scaleable, versatile, expandable price/performance leader for applications that cannot fail	Enterprise-class server delivering maximum performance and availability for mission-critical computing
Deployment model	Replicated remote locations	Departmental business processing	Critical enterprise and business/operations processing
Workload	• Stable, standalone • Fixed configurations	• Growing or unpredictable • Multi-tasking applications	• Processing-intensive • Database server • Transaction-intensive • Server consolidation

Stratus Technologies

www.stratus.com

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

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Stratus ftServer™