

# Stratus Advanced Transaction Router



## Proven technology for transaction-based applications

High-volume, high-value transaction processing requires 24/7 applications availability and reliable uninterrupted transmission of data. In these environments — where the computer is a direct interface between the business and its customers — success depends on the on-demand availability of goods and services. Acceptable customer response time is measured in seconds or fractions of seconds. In larger global enterprises transaction volume may run in the hundreds of thousands per hour.

To meet these demands, the functions driving data streams between end users and application servers must operate flawlessly — at optimum performance levels. Delays, downtime, or dropped transactions are simply too costly to tolerate.

**Ideal for any business that relies on transaction processing, the Stratus Advanced Transaction Router is proven technology that is being used today in the toughest computing environment the world has to offer — financial services.**

### SOLUTION BENEFITS

- Optimal transaction integrity and responsiveness
- Prevents downtime, delays, and data loss
- Industry-leading service levels with uptime that exceeds 99.999%
- Single-vendor solution that includes customization services and a technology-enabled 24/7 worldwide support model
- High-performance intelligent routing solution proven in installations worldwide

### Maximum throughput and reliability

Stratus Advanced Transaction Router (ATR) software ensures the continuous flow of traffic throughout global or localized networks. We combine our hardened ATR software with Stratus' fault-tolerant ftServer® systems to bring you maximum throughput and true mission-critical reliability.

Uptime. **All the time.**



## Ensure the continuous flow of traffic and flawless operation throughout your global or localized networks

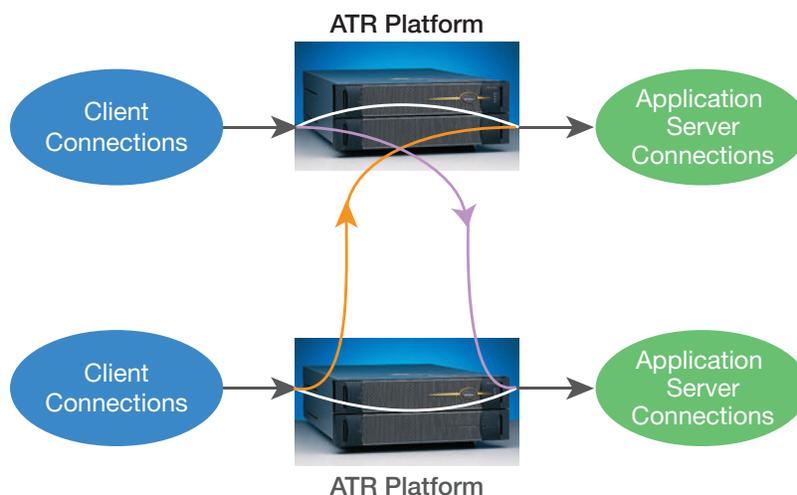
These servers deliver nearly six nines uptime right out of the box., making them ideal for any location where transactions are being processed—including the most rigorous, “lights out” settings.

### Dynamically configurable

Stratus® Advanced Transaction Router is a dynamically configurable TCP/IP router/gateway customized to meet your specific needs. ATR provides a message switch to route and load balance client transaction traffic to application servers and/or backup servers as required. ATR features include:

- **Superior client flexibility:** Supports multiple types of clients. Each client can also establish multiple connections/sessions.
- **Easy-to-use command interface:** Provides a network-capable command interface for dynamic configuration and status information. Allows clients and servers to be examined, added, modified or removed without restarting the ATR.
- **Highly automated solution:** Allows servers to dynamically publish their capabilities and auto-configure for routing. Local servers may be stopped and restarted without disruptions to client connections.
- **Integrated monitoring capabilities:** Provides full activity logging, message tracking and a status and performance statistics interface that can be accessed by an enterprise monitoring solution.

### Stratus Advanced Transaction Router: Continuous Closed-Loop Transactions



The ATR automatically load balances the message flow to multiple servers.

If the primary set of servers is busy, the transaction will be transparently rerouted to a remote ATR server that is available.

## The ATR intelligent routing breakthrough: rapid deployment, cost-effective operation, lasting results

- Maintains client and server connections:** ATR isolates client and server connections to ensure that client connections are maintained even if the application servers are overloaded or unavailable. Message flow is automatically load balanced to multiple servers. If the primary set of servers is busy, transactions are transparently rerouted to a remote ATR server that is available.

### Continuous closed-loop transactions

Designed to operate continuously, the ATR system automatically handles all communications failures by reconnecting to servers and cleaning up disconnected sessions. As transaction messages are received they are unblocked, reframed and sent to the next available application server that provides the appropriate service capabilities based on a round-robin selection. The application server then processes the messages and sends a reply back to the ATR.

In the event that there is no local application server available with the specific service required, the ATR will send a message to the highest-level backup ATR with an available application server and the appropriate service. The ATR will in turn unblock, reframe, and send the reply to the client session that originated the transaction, ensuring a closed-loop process for each transaction. ATR instances can all be monitored by the Stratus Managed Service Framework.

### Field Tested and Proven

Ideal for any business that relies on transaction processing, the Stratus Advance Transaction Router is proven technology that is being used today in the toughest computing environment the world has to offer — financial services.

This high-performance intelligent routing solution is specifically designed for easy rollout on Stratus ftServer systems running the Red Hat® Enterprise Linux® operating system.

This high-performance intelligent routing solution is specifically designed for easy rollout on Stratus ftServer systems running the Red Hat Enterprise Linux operating system.



Uptime. **All the time.**

# Cost-effectively manage capacity with a solution that can be customized to the needs of your business

## Industry-leading service levels

Ensure continuous availability and rapid response of servers and applications through the eyes of the user while you cost-effectively manage capacity demands. This dynamic environment handles transactions quickly and reliably, ensuring the highest service levels possible for every type of transaction.

## Professional Services expertise

Stratus Professional Services can help you customize your ATR solution to address the needs of your business. Service transition and delivery are run by managers certified by the Project Management Institute (PMI®), a credential that attests to their skills in getting the job done on time and on budget. We utilize structured Software Development Lifecycle methodologies to deliver and support projects of any size. Progress and any issues encountered are tracked throughout the process and communicated regularly to project sponsors and stakeholders.

## About Stratus Technologies

Stratus delivers the world's only proactive "uptime assurance" guarantee for the platforms that run the most vital functions of business, healthcare, manufacturing and government. Combining its resilient software and hardware technologies with thirty years of unparalleled remote monitoring and management expertise for availability, Stratus helps save lives and protect the business and reputations of companies, institutions, and governments the world over.

To learn more about worry-free computing, visit [www.stratus.com](http://www.stratus.com).

## Learn more about Stratus Advanced Transaction Router

**CONTACT:** Your Stratus representative

---

Specifications and descriptions are summary in nature and subject to change without notice. Stratus, the Stratus logo, ftServer, Automated Uptime, and the Stratus Technologies logo are trademarks or registered trademarks of Stratus Technologies Bermuda Ltd. The registered trademark Linux is used pursuant a sublicense from the Linux Mark Institute, the exclusive licensee of Linus Torvalds, owner of the mark on a worldwide basis. Red Hat and Enterprise Linux are registered trademarks of Red Hat, Inc. in the United States and other countries. PMI is a trademark of the Project Management Institute, Inc. which is registered in the United States of America and other nations. All other trademarks and registered trademarks are the property of their respective holders.