

# Alaric Authentic on Stratus ftServer Systems



**alaric**

## High-performance multi-channel EFT switching, routing, and payment authorization system delivers total availability

Is your current payments platform becoming increasingly costly to support? Does it lack the agility and flexibility required to meet the demands of a rapidly changing environment? Is the time-to-market for implementing and delivering new service capabilities too long? Are the resources you need to develop, implement and manage the payments solution becoming more scarce — and more expensive? Any of these issues can put your ability to remain competitive at risk as new payments channels, such as mobile and Internet, continue to grow.

### Adaptable payments platform

To succeed, issuers, acquirers and processors need a readily adaptable payments platform. One that accepts transactions from emerging payment channels and fully meets regulatory and compliance requirements. Alaric and Stratus offer a high-performance, multi-channel payments platform with the continuous availability that the business demands.

**A proven partnership, Stratus and Alaric authorised over six billion transactions per year at one global customer whilst achieving uptime in excess of 99.99999% — all on open systems.**

### SOLUTION BENEFITS

- Proven 99.999+% reliability and availability in high-volume implementations
- 100% Java enables a highly configurable, high-performance EFT system
- Transparent and re-configurable business logic minimises expensive programming
- Major off-the-shelf network configurations
- Fully EMV Compliant
- PA-DSS validated for PCI DSS software compliance
- Rapid integration with existing and new payment channels
- Easily interfaces to fraud detection systems
- Fully protects inflight transactions
- Highly scalable — from small gateway systems to major payment networks
- Uses major SQL databases – Oracle, SQL Server, DB/2
- Supports all major ATMs, multiple POS devices, mobile payments and Internet payments channels

Uptime. **All the time.**

**Stratus**<sup>®</sup>  
Technologies

## Guaranteed uptime for Authentic payments platforms

### The Alaric Authentic solution

Authentic is a modern EFT authorisation and routing system for issuers and acquirers of credit, debit, charge and private label cards. Authentic addresses the needs of banks, retailers and processors.

### Designed with future needs in mind

Authentic's emphasis on user configuration, rather than programming, enables customers to quickly implement new functionality and services enhancements. Written in Java and using SQL databases, this service oriented architecture (SOA) product is truly platform independent, adaptable, responsive and agile.

### 24/7 reliability; 99.999+% uptime

Stratus fault-tolerant servers complement Alaric Authentic solutions, delivering the reliability demanded for real-time, online

transaction processing. Optimized to support Alaric's high-volume transaction capabilities, these servers deliver nearly six nines uptime right out of the box — making them ideal for mission-critical payments solutions.

### Why Alaric customers select Stratus

- Unsurpassed system availability eliminates concerns over compliance and lost data
- Load-and-go simplicity; no need for sophisticated IT skills
- Automatically prevents downtime; using 24/7 monitoring, diagnostics, and alerts
- Online serviceability and hot-swappable components nearly eliminate onsite service calls; issues are quickly handled on line 99% of the time
- Stratus has over three decades of proven performance in the world's most critical financial services environments

### Deploying Alaric Authentic on Stratus ftServer Systems

Get a solution that is optimized for high-volume, real-time 24/7 transaction processing with guaranteed 99.999+% availability.

Alaric Authentic and Stratus ftServer systems bring you an unmatched combination of uptime, simplicity and ease of use.



Uptime. **All the time.**

## Ultra high performance, high availability distributed architecture



### High-performance and scalability

Authentic's distributed architecture results in linearly scalable performance that is capable of handling the processing needs of the largest institution, retailer or card processor.

**Dynamic and user configurable:** Authentic's object oriented design enables easy development and inclusion of new processing logic without disrupting existing code. This dramatically reduces development and testing time and the risk of compromising tried and tested code already in the system, leading to lower overall costs and making the business far better able to respond to external change.

### User-configurable business rules put users in control, enabling them to dynamically configure authorization logic.

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**Message Mapper:** Authentic deployments always include Message Mapper which enables interfaces to be easily created and maintained without the need for specialist programming, thereby reducing costs and greatly enhancing business agility. In contrast, no competitive products have such extensive configuration facilities, interfaces being either hard coded or scripted, making maintenance and adaptation of interfaces a high cost, manually intensive activity.

Authentic handles a variety of Point of Service (POS) devices and Automated Teller Machines (ATMs) and interfaces easily to any payments system including off-the-shelf integrations to national and international networks.

**Compartmentalization:** With Authentic, customization is achieved via a combination of configurable messaging, configurable business rules and configurable action list-based processing logic. This so called "compartmentalization" means that client-specific customizations are separated from the main Authentic processing engine, greatly easing support and facilitating upgrades to new Authentic product releases.

### Total availability where it's critical

Equipped with Intel® Xeon® multi-core processors, QuickPath Interconnect technology, up to 256 GB of memory and 8TB of logical storage, Stratus sixth-generation ftServer systems have never been so right for critical heavy-duty workloads like these.

**Fault tolerant servers:** The ftServer architecture eliminates single points of failure and addresses the hardware, software and serviceability issues that can lead to downtime and corruption or loss of critical data.

Stratus  
**ftServer**



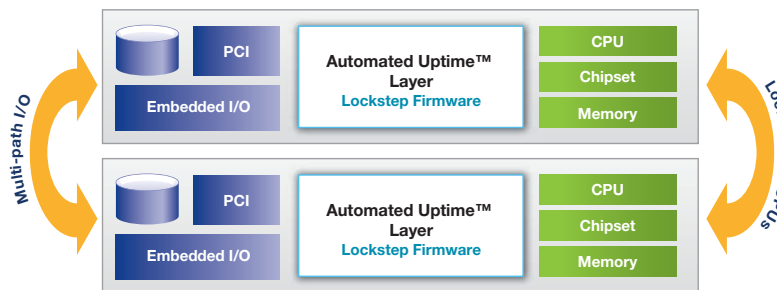
Uptime. **All the time.**

## Supports high-volume, multi-channel payments transactions

**Lockstep hardware:** Duplex fault-tolerant hardware components process the same instructions at precisely the same time. If a component fails, its partner simply continues normal operations — without any downtime or data loss. At the same time, the system automatically orders its own user-replaceable part. Parts are hot-swappable and easily replaced without tools.



### Duplex Hardware Components



**Automated Uptime Layer:** Stratus' unique automated uptime layer software constantly monitors more than 500 system components and sensors to identify, handle, and report faults — before they impact your system.

This transparent error handling shields the operating system, middleware and application software. Even in-memory data is constantly protected and maintained.

If a component needs replacement, the software automatically orders the correct customer-replaceable part. Parts are easily replaced, without tools or specialized training, while your system continues to run.

**ActiveService™ architecture:** technology-enabled ActiveService features allow us to diagnose, troubleshoot and resolve problems online more than 99% of the time. Operations Control Centers on three continents use a follow-the-sun service model to provide secure access to our global 24/7 network of expert engineers.

In addition, the deep diagnostics provided by the Automated Uptime Layer enables Stratus service engineers to accurately identify and fix the root cause of a problem before it recurs.

### About Stratus

Stratus delivers uptime for the applications its customers depend on most for their success. With its ultra-reliable servers, software and services, Stratus® products help to save lives and to 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)

  
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