

# Stratus Softswitch Solution

Deliver next-generation telephony services for the emerging network

For service providers seeking to develop best-of-breed telecom infrastructure for emerging networks, Stratus® Softswitch offers a scalable, versatile call processing and routing solution for H.248, H.323, and SIP-based networks. Based on a field-proven open architecture, the network-ready Stratus Softswitch is designed to function as a standalone switch or interoperate with additional softswitches to expand capacity or deliver specialized network services.

Ideal for multi-vendor networks, Stratus Softswitch provides carrier-grade call control, translations, routing and element provisioning for network elements ranging from gateways and gatekeepers to H.323 and SIP endpoints. An optional SS7 controller enables access to signaling networks worldwide. The open, modular software architecture makes it easy for carriers to combine Stratus Softswitch and Stratus Session Controller (SC) into a single solution, allowing calls to move seamlessly through NATs, firewalls, the internet and the PSTN.

Stratus Softswitch is designed to accommodate evolving networks and innovative new services. Built-in APIs facilitate feature modifications, custom solution development, and the integration of third-party applications. Additional controllers can be added to increase system capacity to over 100,000 ports.

## Carrier-class solution

Carrier-class reliability and centralized element management ensure the continuous availability and operational simplicity of Stratus Softswitch solutions.

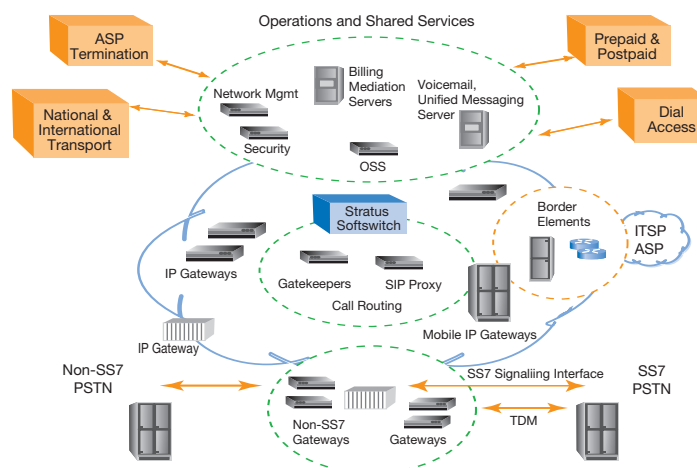
The Stratus Softswitch supports live updates and dynamically loadable applications, minimizing downtime when adding or enhancing features. Using SOAP technology, carriers can add their own front- and back-end interfaces to the element management system, which presents a unified methodology for configuring multi-vendor networks.

Stratus Softswitch provides carriers with an open, vendor-neutral solution that can be easily adapted to meet evolving business needs. Its modular, distributed architecture can be partitioned, enabling carriers to leverage their investment by hosting services for other providers. Available on fault-tolerant Stratus servers or high-availability form factors, Stratus Softswitch offers a cost-effective, future-proof solution for carriers to capitalize on the emerging network.

## Benefits

- Seamless operation of disparate network technologies
- Modular open architecture enables customizable solution
- Built-in APIs ensure rapid deployment of new features
- Software components support micro-rebooting and live updates, minimizing downtime
- Centralized element management streamlines network administration
- Future-proof solution that scales to control a network of over 1000,000 calls

## Stratus Softswitch Solution



The Stratus softswitch solution provides carrier-grade call control translations, routing and element management.

Making  
convergence  
simple

People you  
can count on  
Solutions you  
can trust

# Cost-effective and robust with carrier-grade call control and routing

## The Stratus Softswitch Delivers



*Core softswitch functionality with capabilities that enable rapid deployment of innovative new features and services*

### The problem

Accelerated network convergence coupled with intense competitive pressures is compelling integrated communications carriers to develop affordable ways to deliver voice and data services. Carriers are migrating their networks from rigid, hierarchical, proprietary systems to flexible, fully-distributed, open standards-based networks. To maximize success, carriers must deploy a well-architected softswitch solution that:

- enables multimedia transport and services over packet networks,
- interworks with the PSTN,
- provides carrier-class reliability
- scales to accommodate growth.

### The Stratus Softswitch solution

The Stratus Softswitch solution delivers core softswitch functionality while providing additional capabilities designed to give carriers a competitive edge. The network-ready Stratus Softswitch can be used out-of-the-box as a standalone softswitch or in conjunction with other softswitches to deliver specialized services or expand capacity. As needs change, carriers can modify features, create custom features and applications, or integrate third-party applications using built-in APIs.

At the core of Softswitch is the field-proven ENTICE™ (emerging telecommunications infrastructure control environment) framework. A modular, vendor- and technology-neutral open architecture, ENTICE forms the basis for a portfolio of add-on modules that can be configured to create a wide variety of communications solutions. For example, combining Stratus Session Controller with Stratus Softswitch enables carriers to offer retail web services. Custom call centers and enhanced services, such as prepaid/postpaid, voicemail, unified messaging and conferencing, can be rapidly created using ENTICE open solutions.

A suite of products and services from Stratus Technologies complements the Stratus Softswitch and other ENTICE-based solutions. Fault-tolerant servers

from Stratus Technologies provide 99.999%+ reliability and NEBS™ Level-3 compliance. Stratus global professional service and customer service groups provide solution deployment and integration support round-the-clock.

### Modular platform for future growth

The Stratus Softswitch solution provides carrier-grade call control, translations, routing and element provisioning in a flexible, low-risk, affordable platform. Capable of operating in a variety of network topologies, Stratus Softswitch is the ideal foundation for the emerging network, providing a migration path from circuit-switched to packet-switched networks.

The Stratus ENTICE framework delivers unparalleled flexibility with carrier-class reliability, offering service providers limitless opportunities for future growth. This flexible, open architecture allows service providers to quickly deploy innovative new features and services, resulting in time-to-market advantages, improved profitability and competitive differentiation.

### Stratus Technologies

For more than 27 years, Stratus has delivered proven flexible telecommunications solutions that work without fail. Today, as a leader in converged communications technologies, we are helping innovative service providers build a connected world quickly and easily — with a solid view to the future.

## Features

- Fully-distributed open architecture
- Support for H.323, H.248, and SIP
- H.323 gatekeeper
- H.323/SIP protocol conversion and interworking
- Optional SS7 controller
- Supports micro-rebooting
- Scales to over 100,000 ports
- Easy-to-use Web-based interface
- SOAP-based element management
- Supports multi-level user access

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