

Wireless Operator

Clients Count on Stratus

Improving margins and increasing revenue potential with Stratus integrated international gateway and OSS/BSS solution

Telco provider needed reliable international call routing and billing for wireless operators

Optimizing the telecommunications infrastructure in a West African nation is a central area of focus for the incumbent telco provider, as it strives to improve services for the country's residents and the five wireless service providers they count on. Enhancing the ability to route traffic in and out of the country is a key objective that offers the dual benefit of improving margins while assisting local businesses in furthering relationships with the global economic community.

The provider's existing outdated legacy telecommunications switch and adjunct billing application lacked the capabilities needed to interconnect multi-protocol traffic between domestic provider and international carrier networks. To effectively service the five domestic wireless providers as well as its own domestic landline business, the wireline incumbent set out to develop a state-of-the-art solution that would seamlessly process TDM to TDM and IP to TDM international calls, provide accurate real-time billing and traffic reports and double capacity to accommodate future growth. A compelling need for a reliable, robust solution supported by an established, global organization drove the company to select Stratus Technologies as the solution provider.

"This comprehensive solution from Stratus provides everything we need — protocol conversion, provisioning, billing and Web-enabled customer service —to capitalize on the increasing demand for converged international services in this emerging market."

VP Operations
Telecom Operator

Quick Facts

Solution profile

- Provides protocol conversion for TDM and IP networks
- Terminates and originates international IP minutes
- Bridges wireless and wireline TDM networks with next-gen IP networks
- Includes integrated billing, provisioning and customer care capabilities
- Provides real-time billing and traffic reports via a Web portal

Products

- Stratus ENTICE Tandem/International Gateway solution
- Stratus ENTICE Session Controller
- Stratus ENTICE Enhanced Billing module
- Stratus ENTICE Prepaid/Postpaid module
- Cantata CSP 2090

Services

- Project management
- Integration, configuration and testing
- Training and support

The Stratus® solution: converged multi-protocol switching platform with integrated OSS/BSS

To maximize interconnection flexibility and profit potential, Stratus developed a fully-integrated international gateway solution incorporating the Stratus Tandem/International Gateway, the Stratus Session Controller (SC) with Enhanced Billing and Prepaid/Postpaid modules and Cantata Technology's Converged Services Platform (CSP) 2090. All of the Stratus solution elements are based on the field-proven ENTICE™ (emerging network telecommunications infrastructure control environment) architecture, a technology-neutral, modular platform that can be configured to create a variety of solutions.

The CSP 2090 is a carrier-grade integrated signaling and media platform that is designed to bridge existing fixed and wireless networks with next-generation IP networks. Support for multiple signaling protocols, including SS7/ISUP, E1 R2 and SIP, enables the CSP to efficiently connect international IP traffic to the country's mobile and fixed networks. Fully-integrated with the CSP 2090, Stratus solution elements

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provide call control, translations, routing and operations services for the CSP 2090 while extending the flexibility of the overall solution by interworking with signaling protocols from countries around the world. Real-time call information is captured by the Stratus Session Controller and stored in Call Detail Records (CDRs), which form the basis for invoice generation and traffic analysis. The Enhanced Billing module facilitates vendor and customer management, rate management, routing, billing and reporting functionality via an user friendly Web-based interface. The solution includes templates that can be customized to create Web portals for each domestic wireless operator. This allows them to view up-to-date invoices, traffic reports and CDRs for all calls — adding tremendous business value to the international gateway solution.

Stratus ensured initial and continued success by providing on-site project management, integration, configuration, testing and training services. To mitigate the risks posed by harsh environmental conditions in this West African nation, the telco provider requested redundant Session Controllers supporting the CSP platform. Further assurances of business continuity can be attained by deploying critical solution elements on fault-tolerant Stratus ftServer® systems running Red Hat® Enterprise Linux®, which provides continuous availability (99.999+ % uptime) for mission-critical environments.

Business Impact: flexible solution positions telco provider for growth

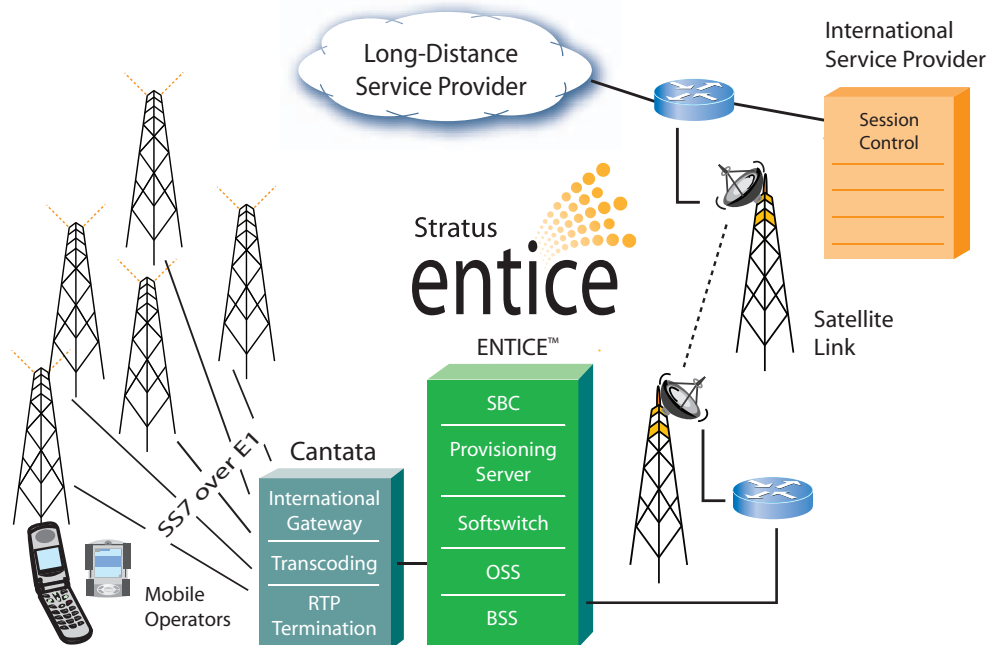
Choosing an integrated international gateway solution based on field-proven, open programmable elements helped this incumbent telco deliver on its business objectives. Just three weeks after the start of the deployment effort, the Stratus solution was successfully handling live traffic. Incorporating the Stratus Prepaid/Postpaid module into the overall solution positions the telco provider to roll out calling card services, effectively leveraging existing infrastructure investments to create a new source of revenue.

Stratus' open, modular solution facilitates interoperability among wireless, wireline and next-generation networks around the world. As a result, the incumbent telco provider is positioned to improve margins, expand capacity and create new converged service offerings designed for the changing needs of this emerging market.

About Stratus

Stratus Technologies is a global solutions provider focused exclusively on helping its customers achieve and sustain the availability of information systems that support their critical business processes. Based on more than 25 years of expertise in server and services technology for continuous availability, Stratus is a trusted solutions provider to customers in telecommunications, manufacturing, life sciences, financial services, public safety, transportation & logistics and other industries.

ENTICE Integrated Wireless/Wireline Solution



Stratus' open, modular ENTICE solution facilitates interoperability among wireless, wireline and next-generation networks worldwide.

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