

Stratus ENTICE Session Controller

Simplifying Interconnect and Service Delivery across all Network Borders and Topologies

The ENTICE™ (Emerging Networks Telecommunications Infrastructure Control Environment) Session Controller (E-SC) interconnects service providers with a trusted solution that provides security, service assurance, interworking, service reach and regulatory compliance at all network borders and across all network topologies. Whether a service provider is delivering voice, video and multimedia sessions across IP borders, interworking with SS7 SCs or SIP based application servers, or combining calls and services from multi-vendor networks, the ENTICE Session Controller is up to the job. With protocol support for SIP, H.323, H.248, SIGTRAN and SS7 the session controller interconnects calls and services across all networks including wireline, cable and wireless networks. These capabilities enable service providers to accelerate revenue by simplifying the setup, control and management of often complex networks.

Based on ENTICE, the E-SC features an IMS-ready, scalable, distributed clustering architecture that can scale from 250 to over 100,000 simultaneous sessions. E-SC resolves the issues you face when building new VoIP networks or interconnecting with preexisting networks such as:

- Connection to customers behind firewalls
- Secure interconnection with other service providers
- Signaling interworking
- Billing mediation
- Service Access and Mediation
- Regulatory compliance

The E-SC is a full featured session controller with a wide variety of available features some of which are shown below:

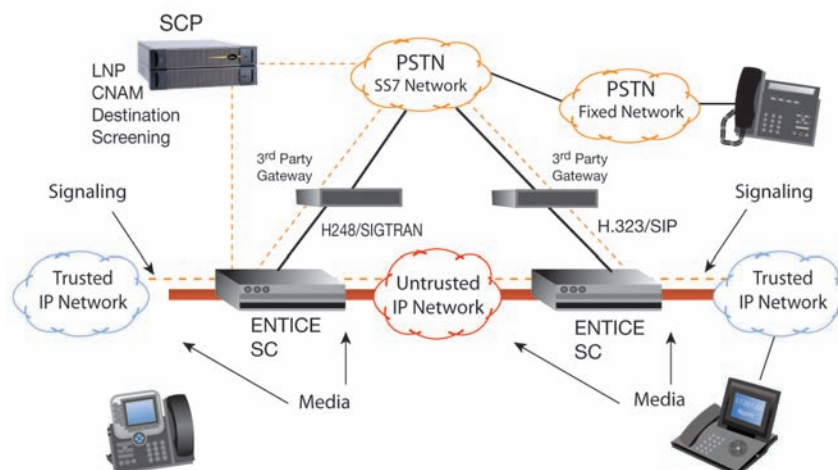
Security

- Access Control Firewall
- Topology Hiding
- Session Admission Control
- Denial of Service (DoS) and Distributed DoS Protection
- Transaction Rate Limiting
- Registration Rate Limiting
- Blacklists and Whitelists

Interoperability and Interworking

- B2BUA, Outbound Proxy Mode (OBP)
- Firewall/NAT Traversal
- Transcoding (Optional)
- DTMF Translation
- SIP-T support
- Codec Policing
- T.38 support
- SS7, SIGTRAN Support (Optional)
- H.248 support (Optional)
- RADIUS AAA Support (Optional)
- Digit Matching/Manipulation
- Subscriber Registration Support (Optional)
- H.323 Version 4 with Version 2, 3 Compatibility
- Stateful Routing
- H.245 Tunneling Support
- H.225 RAS Messages Support for Alternative Gatekeeper Functionality
- Simultaneous Peering with Multiple Gatekeepers and Gateways
- H.323 Fast and Slow Start
- Source and Destination Resource Group Support
- Call Loop Detection and Prevention

Stratus Session Controller Solution



The Stratus SC solution is network-ready but can also be easily customized to address specific customer requirements.

Making
convergence
simple

People you
can count on
Solutions you
can trust

VoIP interconnection promotes increased traffic and allows end-to-end services delivery



The ENTICE SC: superior functionality for building a connected world

Flexibility

- Optional Separation of Signaling and Media
- Distributed Clustering Architecture
- Global and Local Dial Plans
- Endpoint Roaming
- Service Partitioning Based on Customer and Service Type
- Support for Distributed Policy Functions for IMS (Optional)
- Support for ENUM
- Custom Application Triggers Based on Calling, Called, IP and more...
- SS7 and SIP Based Application Access, Interworking and Brokering

SLA Assurance and Call Admission Control

- Admission Control Based on Call Utilization and Capacity
- Routelist Route Advance Determined by Static and Dynamic Parameters
- Pre, Mid and Post Called Number Translation
- Calling Number Screening and Translation
- Random Calling Number
- Call Admission and Blocking
- Comprehensive CDRs
- SNMP trap support
- QoS Marking
- Radius AAA
- SOAP based provisioning

Regulatory Compliance, Industry Service Access

- CALEA, Emergency Service Compliance
- 800, LNP, Destination Screening, CNAM via SIP/SS7

Reliable and Scalable

The ENTICE session controller solution is available in a variety of configurations ranging from a single server solution handling up to 2000 sessions to geographically dispersed solutions that span multiple countries and offer global and local route plans, centralized OAM&P and billing. Stratus is the world leader in reliability and availability and offers the E-SC on a range of hardware. For service providers seeking the same continuous level of availability employed by many of the top telecoms and Fortune 100 companies, E-REV is offered on the Stratus fitServer® platform based on Red Hat® Linux® and featuring 6 9's of hardware availability and optional

NEBS® compliance. For other customers E-SC running on a Stratus high availability platform featuring Red Hat Linux, redundant power and RAID disk arrays is sufficient.

Service Delivery

Service providers who are looking to further enhance their revenues by adding in demand services to their networks need look no further. Because the E-SC uses the same ENTICE architecture as other Stratus ENTICE solutions, additional components can be added to an E-SC to allow the delivery of exciting services such as residential broadband voice services, hosted pbx and prepaid card services. Because these components are based on a single architecture and come from a single vendor, service providers can eliminate much of the cost and complexity of adding popular services to their network. Because the E-SC is an open solution, a vendor can also add solutions and services from a wide variety of other vendors to grow their business.

Customizable

With its flexible and scalable architecture, the Stratus E-SC allows you to minimize risk while meeting the demand for safe, reliable interconnect, mediation and control of your networks. In addition the E-SC features open front-end and back-end interfaces based on SOAP technology and open API's. This allows them to be easily integrated into other front-end or back end systems and allows new services to be implemented quickly. Additionally E-SC solutions feature a custom application interface based on Java and C++ that can be further used to create and deploy new innovative features quickly without disrupting the stability of the base system. Stratus global professional service and customer service groups provide solution deployment, integration, and round-the-clock support.

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.

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