

Sonus SBC SWe Session Border Controller

The Sonus SBC SWe Session Border Controller is the industry's only software-based Session Border Controller (SBC) that delivers unlimited scalability with the same advanced features and functionality of hardware on a virtualized platform - without compromise. The SBC SWe features the same code base, resiliency, media transcoding and security technology found in Sonus' award-winning hardware-based Sonus SBC 5000 Session Border Controller Series. The only difference is how customers choose to deploy it: on industry-standard servers, in virtualized environments or as a hosted service. The SBC SWe operates seamlessly with the existing Sonus SBC product portfolio.

Sonus is the only vendor on the market with a common code base across its hardware and software SBC portfolio, giving customers investment protection and peace of mind about the security of their network. Scalable from 25 to an unlimited number of sessions, the unique architecture of the SBC SWe allows customers to define where on the performance curve their network needs to reside. Designed to be simple but robust, and agile but predictable, the SBC SWe makes it easy for customers to reach new markets and new revenues with secure SIP and Unified Communications (UC) services:



- Rapidly extend interworking capabilities with just a license
- Deliver the same advanced SBC functionality and features to small, medium and large businesses anywhere in the world
- Deliver hosted SBC services from a virtual environment for scalable performance at a flexible price
- Deploy SBC services into new regions without a truck roll

Media Services

- Transcoding G.711, G.722, G.723, G.726, G.729A/B and iLBC
- Wireline, wireless, wideband and clearchannel codec pass through
- VAD, Silence Suppression, Dynamic Jitter Buffer, DTMF/Tone Relay/RFC2833/RFC4733 interworking
- NAT/NAPT on media
- DTMF Trigger Detection and Notification
- Generic audio codec relay
- Tones & Announcements
- Local Ring Back Tone (LRBT) support with centralized PSX Policy Server
- RTP inactivity monitoring
- Video codec relay

Redundancy

- 1:1 Redundant Instances for Service High before Availability

Management Capabilities

- Graphical based wizards for ease of configuration
- Secure embedded web-based management GUI
- Sonus CLI, SSH
- Centralized support by Sonus Insight EMS
- SNMP V2 status and statistics
- Local logging of events, alarms, and traps; Call trace

- Sonus DSI Level 0 support for storing CDRs; RADIUS accounting records
- Live Software Update (LSWU)

Signaling

- Back to Back User Agent (B2BUA)
- SIP, SIP-I/SIP-T, SIP/H.323
- SIP protocol normalization/ protocol repair; SIP message manipulation
- NAT/NAPT on signaling

Protocol Support

- IPV4, IPV6, IPV4/IPV6 interworking
- SSH; sFTP
- SNMP; NETCONF; NTP
- HTTP/HTTPS
- RTP/RTCP
- UDP, TCP
- DNS, ENUM

Routing/Policy

- Embedded policy/routing engine
- Centralized support by Sonus PSX Policy/Route Server using DIAMETER+
- Screening, blocking, routing, presentation, call type filters
- Route prioritization
- Leading digit routing; international routing; URI based routing
- Digit/parameter manipulation
- E911 support; Priority Call handling

Security

- Session aware firewall; Topology Hiding
- Line rate DoS/ DDoS, and Rogue RTP protection
- Line rate malformed packet protection
- TLS, IPsec (IKEV1) for signaling encryption
- Secure RTP/RTCP for media encryption

Quality of Service (QoS)

- Bandwidth management
- Call admission control (CAC) per trunk group, per zone
- Per call statistics
- TOS/ COS packet marking

Packet Network Time Source

- Network Time Protocol (NTP) per RFC-1708

Minimum Requirements

- VMWare ESXi 5.1 or higher
- 1 virtual CPU; 2GHz or higher
- 5GB of RAM
- 4 virtual NICs (1 - MGMT, 1 HA and 2 packet ports)
- 65GB hard disk size

About Sonus Networks

Sonus is a leader in IP networking with proven expertise in delivering secure, reliable and scalable next-generation infrastructure and subscriber solutions. With customers in over 50 countries across the globe and over a decade of experience in transforming networks to IP, Sonus has enabled service providers and enterprises to capture and retain users and generate significant ROI. Sonus products include session border controllers, policy/routing servers, subscriber feature servers and media and signaling gateways. Sonus products are supported by a global services team with experience in design, deployment and maintenance of some of the world's largest and most complex IP networks. For more information, call 1-855-GO-SONUS

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