

# Sonus SBC Core Documentation

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## Getting Started

SBC Core architecture, key features, product specifications, supported headers and standards, routing and policy management, and how to get started quickly.

- Introduction
- About SBC Core
- Understanding a Session Border Controller
- Sonus SBC Core Architecture
- SBC Core Key Features and Functional Differences
- Supported SIP Headers
- Supported Standards
- Routing and Policy Management
- Interoperability - IOT
- SBC Module Descriptions
- First Steps

## Installing and Commissioning the SBC

Comprehensive guide to installing and commissioning the SBC Core:

- Installing SBC 5000 Series Hardware
- Installing SBC 7000 Series Hardware
- Installing SBC 5000 and 7000 Series Software
- Installing SBC SWe Software

## Upgrading SBC Software

Comprehensive guide to upgrading SBC Core software and firmware.

- Upgrade Flows
- Verifying Existing SBC Core Software Version
- Validating MD5Sum with 'Checksums Calculator'
- Saving the SBC Configuration
- Upgrading Firmware
- Upgrading SBC Application Software
- Reloading the SBC Configuration
- Downgrading the SBC Application
- Upgrading the ePSX

## Configuring SBC Core

Provisioning examples and workflows to help configure the SBC Core.

## Operations and Troubleshooting

Operational details such as how to use the EMA GUI and Command Line Interface to configure the platform. Troubleshooting details such as alarms, traps and using the SSReq tool to simulate provisioning requests.

- EMA User Guide
- CLI Command Reference
- Alarms and Traps Guide
- SBC SWe Troubleshooting
- Using the SSReq Tool
- Service-Impacting Configuration Attributes

## Administration and Maintenance

Guidance with administration and maintenance activities, such as using the Platform Manager, routine maintenance, resource monitoring and managing billing records.

- Using the Platform Manager
- Managing Billing Records
- How to Change SBC 5000 or 7000 Mgmt IP Address After Installation
- Routine Maintenance Guide

## SBC Features Guide

Describes key SBC Core features to help you design and deploy your SBC in your network.

- Accounting and Billing
- Call Routing and Services
- Congestion Control
- ENUM Translation
- Gateway Signaling
- H.323 Services
- IP Multimedia Subsystem (IMS)
- IP Trunk Group Authentication
- Media Services
- Resource Monitoring and Statistics
- SBC Core Redundancy
- SBC Using Microsoft Lync Server
- SIP Services
- Supported Features

## Additional Documentation

- How to Access the SBC
- How to Set up a Basic Call Flow
- Managing Users and Groups
- SBC Deployment Guidelines
- Managing Certificates
- Managing SBC Licenses
- Configuring SBC Objects
- Configuring SBC for RADIUS Authentication
- Configuring Video Best Practices
- Configuring SBC for IMS
- Configuring SBC to use SIP in the Sonus IP Core
- Configuring SBC to Use External PSX
- Configuring SBC for SNMP
- Changing Node Name
- Changing the Time Zone
- Configuring Playout Time Series Period and Thresholds
- Configuring a Transparency Profile
- SBC SIP Transparency Implementation Guide
- How to Register SBC with EMS for Lawful Intercept
- Configuring E911 Emergency Call Routing

## Sonus Product Interoperability Testing

SBC 5100 / SBC 5200 / SBC SWe - Product IOT

- Best Practices
- SBC Network Deployment Scenarios
- MIB Reference
- Customer Replaceable Units
- Enabling SBC for FIPS 140-2 Compliance
- Sonus Product Compatibilities
- How to Search in Wiki

## SBC Releases

SBC Core release information.

- CLI and MIB Changes
  - CLI Changes in This Release
  - MIB Changes in This Release
- Documentation Reports
  - SBC 4.2.1 Documentation Report
  - SBC 4.2.2 Documentation Report
  - SBC 4.2.3 Documentation Report
  - SBC 4.2.4 Documentation Report
  - SBC 4.2.5 Documentation Report

## FAQs

Solutions to frequently asked questions about the SBC Core.

- General SBC FAQs
- ePSX FAQs