AudioCodes Session Border Controllers Essentials & Configuration

Category: Networking & Security | **Vendor:** AudioCodes

Duration: 32.00 hours (4 days) **26.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

Students are expected to be active participants in the learning process.

Emphasis is placed on diagnostic tools and troubleshooting strategies to help students become self-sufficient in the use and support of AudioCodes

About This Course

Course Topics

AudioCodes Presentation

- HMI Introduction
- Basic configuration
- Management and maintenance options
- Web Interface
- Debugging tools

AudioCodes SBC Platforms

- Pure SBC Portfolio
- Mediant 2600/4000/9000
- Hybrid SBC Portfolio
- Mediant 500/8xx/1000/3000
- Integrated SBC and MSBR
- Mediant 500/8xx/1000
- Software SBC

SBC Description

- SBC definition
- SBC functions
- SBC topologies and deployment
- Logical and physical connections

SBC features

- NAT traversal

- Transcoding
- Topology hiding
- VoIP firewall
- SIP routing
- SIP normalization
- Survivability

SBC Basic Terminology

- Signaling Routing Domain (SRD)
- SIP Interface
- Media Realm
- IP Groups
- Proxy Sets
- SIP dialog initiation process description
- IP-to-IP routing

SBC Configuration

- Parameters and tables
- General parameters settings
- Table assignments
- Configuration example

SBC Media Handling

- Media capabilities
- Media security
- Media handling modes
- Transcoding
- Extended and Allowed coders process
- Media handling example

SBC Message Manipulation

- Reasons for SIP message manipulation
- Message manipulation configuration
- Message Manipulation Set
- Message manipulation rules
- IP-to-IP number manipulation

SBC Security Brief Overview

- Security needs
- Network security feature
- Topology hiding
- Firewall

SBC security feature

- SIP firewall filtering rules (classification rules)
- Call Admission Control (CAC) to enforce limits
- SIP protection – filter methods
- Signaling security – TLS
- Media security – SRTP
- Block unregistered users

Management security feature

- HTTPS
- SSH
- SNMP

SBC Survivability

- Concepts
- Configuration

AudioCodes Gateways Introduction

- VoIP gateways
- Configuration basics
- IP-to-IP concept
- Inbound and outbound routing
- IP-to-IP SIP trunking scenario configuration example

SBC High Availability

- Concepts
- Configuration
- Certification

Who Should Attend

Students are expected to have an applicable professional background with a minimum of one year of practical experience with:

- PSTN protocols and knowledge of analog and digital telephony systems
- VoIP and SIP network architecture
- Understanding of SIP control protocol signaling stacks
- IP networking

Learning Outcomes

Upon successful completion of this course, participants will be able to:

On completion of the course, students will be able to:

- Identify the AudioCodes products that support the Session Border Controller (SBC) features
- Identify the functions of the SBC
- Describe how the SBC handles SIP messages
- Understand the reasons for message manipulation
- Understand the survivability concept
- List SBC security features
- Configure SBC message manipulation rules
- Configure the parameters required by the SBC
- Configure the SBC for SIP trunking
- Configure AudioCodes Gateways for PSTN fallback needs

The course includes an ACA (AudioCodes Certificate Associated) certification exam.

Skills You Will Learn:

On completion of the course, students will be able to:

- Identify the AudioCodes products that support the Session Border Controller (SBC) features
- Identify the functions of the SBC
- Describe how the SBC handles SIP messages
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Frequently Asked Questions

Q: What delivery options are available for AudioCodes Session Border Controllers Essentials & Configuration?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 4-day AudioCodes Session Border Controllers Essentials & Configuration course provides up to 26.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the AudioCodes Session Border Controllers Essentials & Configuration training?

The training takes place over 4 day(s), with each day lasting approximately 32.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for AudioCodes Session Border Controllers Essentials & Configuration?

Yes, we provide corporate training, dedicated training, and closed classes for AudioCodes Session Border Controllers Essentials & Configuration. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: AudioCodes Session Border Controllers Essentials & Configuration, ACA Level Courses, ADOSBCBSC

Q: Why choose Nexus Human for AudioCodes Session Border Controllers Essentials & Configuration?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your AudioCodes Session Border Controllers Essentials & Configuration training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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