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TRAINING

AUDIOCODES SESSION BORDER CONTROLLERS
ESSENTIALS & CONFIGURATION

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course

AudioCodes training for Enterprise Session Border Controller (E-SBC) course designed to provide engineers with experience in configuring, maintaining, and troubleshooting AudioCodes devices configured as an SBC.

Student profile

Engineers with experience in configuring, maintaining and troubleshooting AudioCodes devices as an SBC.

Products

Mediant 800B/1000B/2600/3000/4000B.

Duration

4 hours per day (online instructor led).

Certification

ACA (AudioCodes Certificate Associate) certification exam.





pre-**Requisites**

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

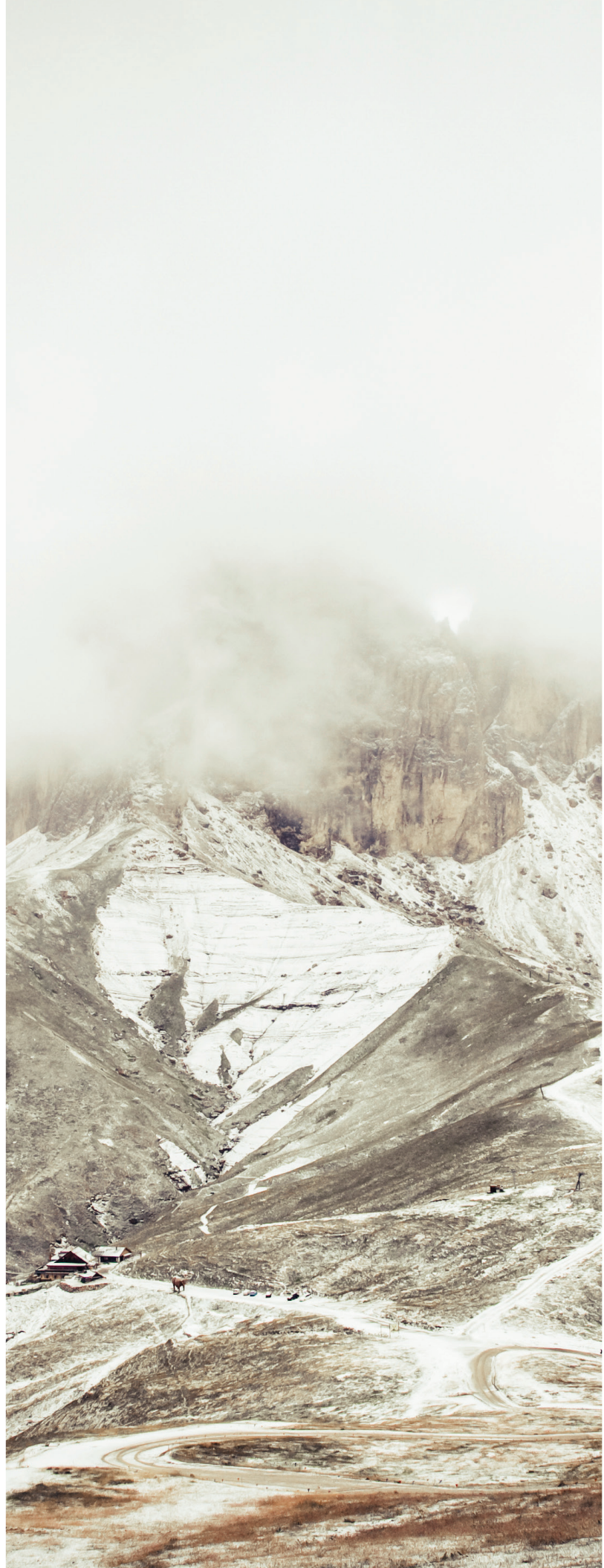
- *PSTN protocols and knowledge of analog and digital telephony systems;*
- *VoIP and SIP network architecture;*
- *Understanding of SIP control protocol signaling stacks;*
 - *IP networking.*

course Objectives

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 E-SBC products.

Upon completion of this course, students will be able to:

- *Install and configure AudioCodes E-SBC using various management tools;*
- *Demonstrate an understanding of the operating, maintenance and monitoring tools of AudioCodes E-SBC;*
- *Troubleshoot and debug AudioCodes E-SBC;*
- *Understand which application to use for VoIP SBC routing;*
- *Understanding where to place the E-SBC in the Enterprise network;*
- *Integrate the AudioCodes E-SBC gateways in variance of VoIP networks;*
- *Understand how AudioCodes E-SBC handles media;*
- *Demonstrate an understanding of the AudioCodes E-SBC Header Manipulation mechanism;*
- *Demonstrate an understanding of the E-SBC Survivability operation;*
- *Understanding the E-SBC security risks.*



Course Outline

E-SBC Overview

Identify the AudioCodes products that support the E-SBC features

List the maximum number of supported E-SBC sessions for each AudioCodes product line

IP to IP Routing

Describe the main features of IP to IP call routing application

Explain the steps needed to configure IP to IP routing

E-SBC Application Description

Describe the main features of E-SBC application

E-SBC SIP message handles and call routing

E-SBC Configuration

Explain the steps needed to configure E-SBC routing

E-SBC Media Handling

List the various ways that the E-SBC can handle media

Describe how to configure coder transcoding in E-SBC

Message Manipulation

Describe the reasons for Message Manipulation

Demonstrate how to configure E-SBC Message Manipulation rules

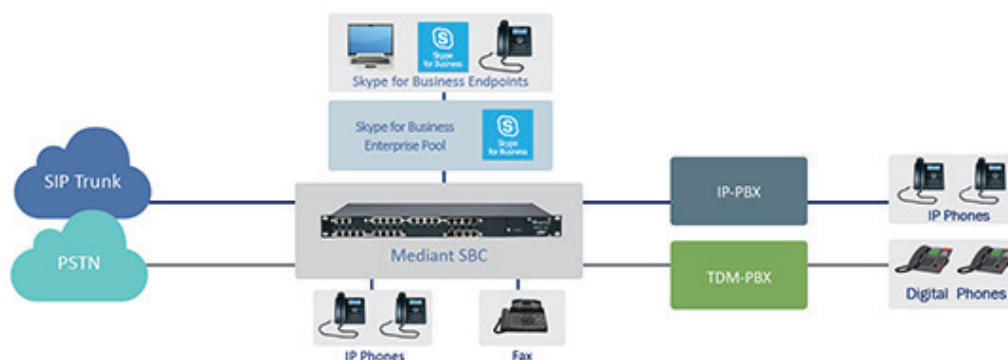
Survivability

Describe the survivability concept

Demonstrate how to configure the E-SBC for survivability support

Security

Describe E-SBC security capabilities



Lab activities

FXS and PRI Interfaces Configuration

IP-to-IP Routing Application

Restore E-SBC gateway configuration to defaults

Upgrade the E-SBC software

Configure E-SBC gateway for VoIP routing using the IP to IP application

E-SBC Routing

Configure E-SBC gateway for basic VoIP routing using the SBC application

Configure IP-PBX to ITSP routing using E-SBC gateway

E-SBC Transcoding

Configure E-SBC gateway for VoIP transcoding

Configure specific coder for each VoIP sessions

Header Manipulation

Configure basic E-SBC Header Manipulation rules

Fee, location and other

- *Including training equipment for lab exercises (trainee bring their own laptop);*
- *The course is subject to a minimum number of attendee;*
- *Fee per trainee.*

