ACTIS ACADEMY

AUDIOCODES TRAINING

AUDIOCODES SBC
ADVANCED INTERWORKING & SECURITY

Course
Hands-on technical instruction covering advanced Manipulation, Media Handling and Security configuration as well as a high-level administration of AudioCodes Session Border Controllers (SBCs) for interoperability in a secured environment.

Student Profile
Systems Engineers, Network Architects, Consultants, and Integrators responsible for the planning, design, implementation and management of Session Border Controllers in their networks.

Products
AudioCodes SBC Series.

Prerequisites
- ACA Certification.
- 6 Months of AudioCodes field experience with AudioCodes SBC products.

Details
- Four days training.
- Classroom Instuctor Led.
- ACP (AudioCodes Certified Professional).
- € 2.095,- ex. VAT per trainee.
- The training is subject to a minimum number of attendees.
- Access to the training course will only be accepted when the payment is fullfilled before the trainingdate.
- Course code is TR-SBC-ADI-S.

General 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 their use and support of AudioCodes SBCs. On completion of the course, students will be able to:

- Identify the concept and needs of Interworking
- Have a deeper understanding of AudioCodes' SBC application for SIP normalization, media handling, message manipulation
- Understand the SBC security risks and know how to prevent them

Lab Activities

- Configuration with Advanced Interworking Capabilities
- SBC Configuration using Transcoding
- Configuration for Bandwidth Profiles
- Message Manipulation based on Regex and Regular Rules
- SBC Security
- Device Access using LDAP

ACTIS
grow-your-network

AUDIOCODES SBC
ADVANCED INTERWORKING & SECURITY

Course Outline

AudioCodes SBC Application Review:
- IP Interfaces
- Physical Interfaces
- Basic Entities: SRD, Media Realm, SIP Interface, IP Group and Proxy Set
- SIP Dialog Initiation Process Description
- Classification Process
- IP Profile
- IP-to-IP routing
- SIP Message Manipulations
- Entities and Tables Relations

Advanced SBC Interworking Features:
- IP Profile
- Example of terminations for IP-PBX integration
- Handling Modes
- Handling of Early Media, REFER, 3xx and other messages

Advanced SBC Media Handling:
- SBC Media Handling Concepts
- Extension and Allowed Coders
- Media Handling Examples
- Advanced Transcoding
- Media Handling Security Features

Quality of Experience (QoE) Related Profiles:
- QoE Profile
- Bandwidth Profiles
- Media Subnets
- Performance Profiles
- Quality of Service (QoS) Rules

SBC Message Manipulation:
- Number Manipulations
- Reasons for Message Manipulation
- Message Manipulation Operation
- Message Normalization
- Regular Expressions (Regex) Based Message Manipulation

Advanced SBC Security:
- Enterprise Security Threats
- AudioCodes SBC Security Capabilities
- Separation
- Topology Hiding
- Secured SIP using TLS
- TLS Contexts and Certificates
- Authentication
- Classification table
- Call Admission Control Profiles
- IDs
- Registration
- Message Policies
- Routing
- Events Logging

SBC Access
- Access using HTTPS
- Access using Telnet-SSH
- Access using LDAP
- Access using SNMP

ACTIS

g·r·o·w · y·o·u·r · n·e·t·w·o·r·k

Actis Academy
Boeingavenue 8
1119 PB Schiphol-Rijk

+31(0)20 - 316 21 21
academy@actis.nl

ACTIS ACADEMY

AUDIOCODES TRAINING