AudioCodes VoIP & SIP Fundamentals Training

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

Duration: 8.00 hours (1 days) **6.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

Course Topics

Introduction to Legacy Telephony:

- The Telephone Network
- Typical Analog Circuit
- DTMF - Dual Tone Multi-Frequency
- Call Progress Tones
- Digital Communication
- Analog Voice Signal Conversion to Digital Stages
- Pulse Code Modulation (PCM)
- Digital Signals Multiplexing
- Time Division Multiplexing (TDM)
- E1/T1
- Signaling Methods
- Integrated Services Digital Network – ISDN
- ISDN (Q.931) Call Flow Messages
- ISDN Basic Rate Interface (BRI)

Introduction to IP Telephony:

- What is VoIP
- Circuit vs. Packet Switching
- VoIP Architecture
- VoIP Protocol Stack
- What is RTP/RTCP
- Introduction to RTP
- Voice Codecs
- Voice Compression
- VoIP Challenges
- Voice Quality Measurement
- RTCP-XR
- Voice Quality Metrics

Introduction to SIP:

- SIP Network Entities
- SIP Terminology
- SIP Servers
- Basic SIP Call Flow
- SIP Requests: Basic Methods
- SIP Requests: Extended Methods
- SIP Responses
- SIP Addressing
- General Main Header Fields
- Session Description Protocol (SDP)
- Early Media
- Call Flow with Proxy
- SIP Servers – Registrar
- Registration Call Flow
- Number Once
- FXS/FXO Gateways
- Digital Gateway

About This Course

Course Topics

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Frequently Asked Questions

Q: What delivery options are available for AudioCodes VoIP & SIP Fundamentals Training?

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 1-day AudioCodes VoIP & SIP Fundamentals Training course provides up to 6.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the AudioCodes VoIP & SIP Fundamentals Training training?

The training takes place over 1 day(s), with each day lasting approximately 8.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for AudioCodes VoIP & SIP Fundamentals Training?

Yes, we provide corporate training, dedicated training, and closed classes for AudioCodes VoIP & SIP Fundamentals Training. 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 VoIP & SIP Fundamentals Training, Participation Level Courses, AVOIPSF

Q: Why choose Nexus Human for AudioCodes VoIP & SIP Fundamentals Training?

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 VoIP & SIP Fundamentals Training training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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