

CCIE Collaboration

COURSE OUTLINE

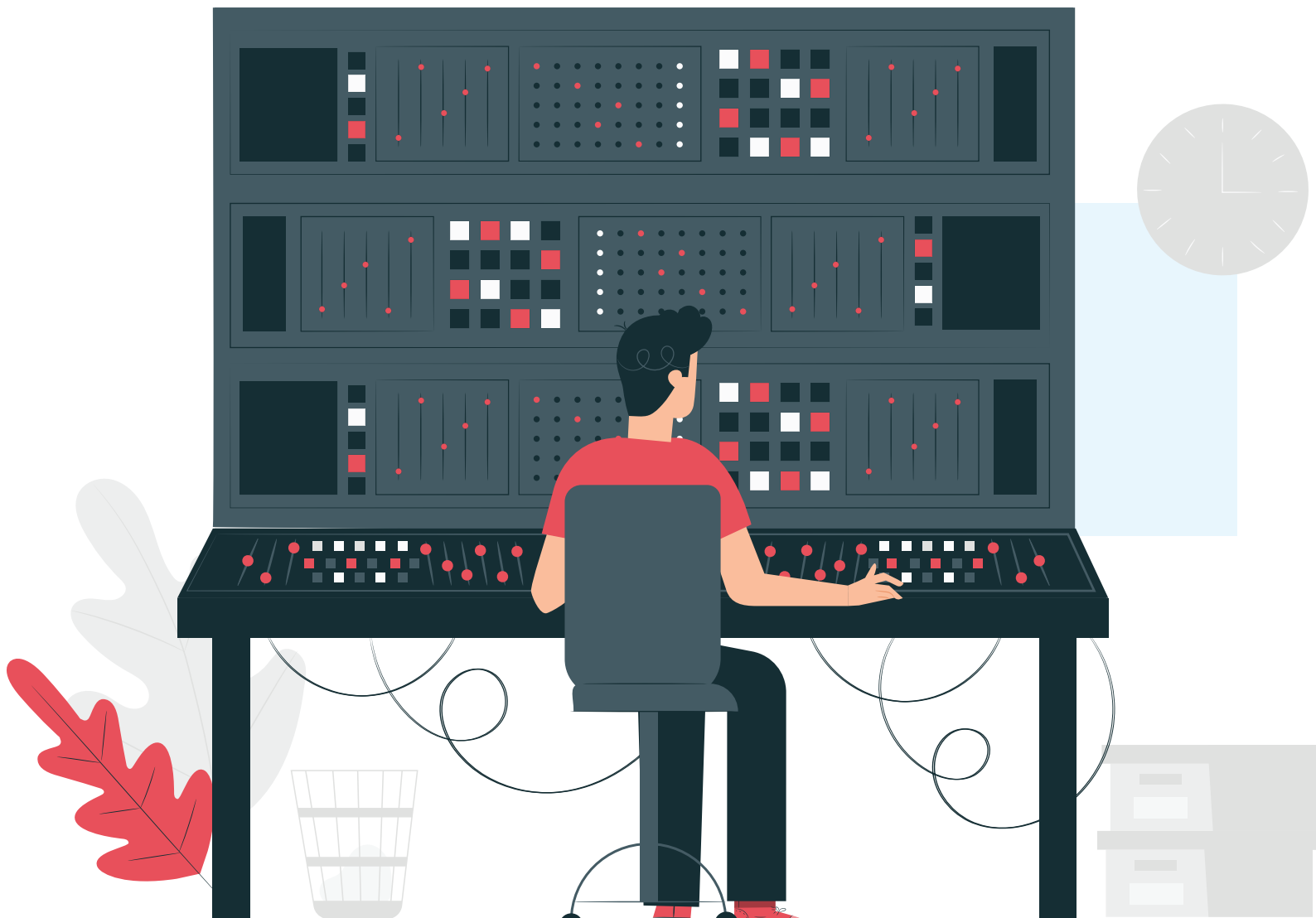


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VISION

In-depth knowledge +
hands-on experience +
analytical thinking =
placement



Learning



Opportunity



Experience



Career



ROADMAP OF **JOB** PLACEMENT



WHAT MAKES US UNIQUE?

USP's



Learning



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Experience



Career

COURSE OUTLINE

Week 1

- Describe the call setup and teardown process for a SIP device including codec negotiation using Session Description Protocol (SDP) and media channel setup
- Integrating Cisco Unified Communications Manager IM and Presence and Cisco Jabber
- Understanding & Implementing Cisco Meeting Server Deployment Models and their Core Components.
- How to enable Recording on Cisco Meeting Server
- CUCM Provisioning Interfaces: Administrative XML Interface (AXL) & Using AXL and Soap Methods for Provisioning Unified CM.

Week 2

- Implement Cisco Collaboration automated, programmable solutions for voice, video, collaboration & conferencing on-premises
- Implement Globalized Call Routing & Global Dial Plan Replication
- Cisco Extension Mobility such as Single Number Reach and Mobile Voice Access.
- Session Initiation Protocol Uniform Resource Identifier (SIP/ URI) call routing & Call Admission Control
- Cisco Unified Board Element Call deployments, signaling and media protocols, call coverage, and time of day routing



Week 3

- Implement and deploy core collaboration and networking technologies, including infrastructure and design, protocols, codecs and endpoints.
- 12 Implement and deploy Cisco Internetwork Operating System (IOS) XE gateway and media resources, call control, Quality of Service (QoS), and additional Cisco collaboration application
- 13 How to enable Cisco Mobile, remote access, authentication options, and additional Cisco Expressway Series features
- 14 How to leverage collaborative technology to access secure, collaborative work supports including video, voice, content, and remote workloads
- 15 Implement Cisco Unified IM and Presence, Cisco Unity Connection

Week 4

- Troubleshooting ILS/GDPR Call Routing Issues on CUCM
- Troubleshooting SIP Media Negotiation Issues
- Troubleshoot on-Premises Jabber Login Issues
- Troubleshoot MRA Jabber Login Issues
- Troubleshoot Unity Connection VM Issues

Week 5

- Troubleshoot WebRTC Login
- Troubleshoot URI Dialing
- Troubleshoot CUCM DB Replication Issues
- Best Design Practices and Recommendation for CUCM
- CUCM Upgrade and Migration



Week 6

- Design Recommendation for Expressway
- CMS Deployment Model
- Design for Unity Connection Cluster
- On-Premises Cisco IM and Presence Service Cluster
- On-Premises Cisco IM and Presence Service High Availability & Deployment Model



OUR PLACEMENT PARTNERS



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