

Cisco CCIE Collaboration Training

COURSE OVERVIEW:

5-Day CCIE Collaboration Bootcamp is designed to be a challenging five-day course for CCIE Collaboration candidates ready for CCIE Collaboration Lab. This Bootcamp is designed for CCIE Collaboration candidates in the last months or weeks before their CCIE Collaboration Lab. During the week students will tackle challenging full-day mock labs Monday through Thursday. The candidate will practice strategy, time management, learn test-taking strategies and expose any weaknesses in order to resolve them before the lab on the final day of the course.

WHO WILL BENEFIT FROM THIS COURSE?

- Network professionals who install, configure, and manage Cisco collaboration solutions
- Network Engineer
- System Engineer

PREREQUISITES:

- Candidate must be CCNA & CCNP Collaboration certified in advanced.
- CICD – Implementing Cisco Collaborative Devices
- CIVND2 – Implementing Cisco Video Network Devices, Part 2 v1.0
- CCNP Collaboration Level Knowledge
- 4+ years of experience in Cisco Networking

COURSE OUTLINE:

Day One

- Network Infrastructure
- VLANs/Dot1Q
- CDP/LLDP
- DHCP
- TFTP
- NTP
- Layer 2/Layer 3 Troubleshooting
- Phone Registration
- Remote Phone Control
- Cisco Unified Communications Manager Setup (CUCM)
- CUOS Administration
- CUCM Serviceability
- Service Activation/Status
- Device Registration
- Device Pools
- Date/Time Groups
- Phone Registration
- Device-Specific Settings
- Line/DN Basics
- Line Directory URIs

Day Two

- Cisco Unified Border Element (vCUBE)
- CUBE Basic Configuration
- Advanced SIP Configuration
- Advanced H.323 Configuration
- SIP-to-SIP Interworking
- SIP-to-H.323 Interworking
- Media Flow-Through/Media Flow-Around
- DTMF Interworking
- CUBE Box-to-Box Redundancy
- Troubleshooting CUBE
- SIP Trunking
- SIP Normalization
- SIP Pre-Conditions

Day Three

- Static Dial Plan Routing
- Traditional vs Globalized Dial Plans
- Partitions and Calling Search Spaces
- Translation Patterns
- Numeric Route Patterns, Route Lists, and Route Groups
- Local Route Groups (LRG/SLRG)
- Calling, Called and Connected Party Transformations
- SIP Route Patterns / URI Route Patterns
- URI Dialing
- SIP Profiles
- InterCluster Lookup Service (ILS)
- Unified Mobility
- Extension Mobility (EM)
- Extension Mobility Cross Cluster (EMCC)
- GeoLocations and Filters
- Mobile Connect (SNR)
- CUCM Express (CUCME)
- Basic SIP Setup
- SIP Phone Registration
- Advanced CME Features

Day Four

- Unified Messaging – Unity Connection
- SIP Integration with CUCM
- SCCP Integration with CUCM
- Message Waiting Indicators (MWI)
- System Call Handlers

- Audio Text / Phone Trees
- Users and Mailboxes
- Call Routing
- Calling Restrictions
- Advanced Features
- Unified Messaging – Virtual Unity Express
- Integration with CUCME
- Users and Mailboxes
- General Delivery Mailboxes
- vCUE JTAPI and SIP, Prompt Management
- Unified Presence
- BLF Speed Dials and Call Lists
- Unified IM and Presence Server Integration
- Federations
- Jabber
- Jabber Softphone Mode
- Jabber Deskphone Control Mode
- Jabber Extend and Connect Mode
- Jabber 11.9 on Premise
- Contact Center
- JTAPI Integration
- Basic Scripting
- Finesse

Day Five

- Collaboration Edge
- Mobile Remote Access (MRA)
- Business to Business Calling (B2B)
- Hybrid Services
- Cisco Meeting Server
- Ad-hoc and Rendezvous Conferencing Using Call Bridge Conferencing
- Media Resource Management
- WebRTC / Web Bridge
- CMS API
- Troubleshooting
- Full-Scale Lab
- Lab Strategy

SUNSET LEARNING INSTITUTE (SLI) DIFFERENTIATORS:

Sunset Learning Institute (SLI) has been an innovative leader in developing and delivering authorized technical training since 1996. Our goal is to help our customers optimize their cloud technology investments by providing convenient, high quality technical training that our customers can rely on. We empower students to master their desired technologies for their unique environments.

What sets SLI apart is not only our immense selection of trainings options, but our convenient and consistent delivery system. No matter how complex your environment is or where you are located, SLI is sure to have a training solution that you can count on!

Premiere World Class Instruction Team

- All SLI instructors have a four-year technical degree, instructor level certifications and field consulting work experience.
- Sunset Learning has won numerous Instructor Excellence and Instructor Quality Distinction awards since 2012

Enhanced Learning Experience

- The goal of our instructors during class is ensure students understand the material, guide them through our labs and encourage questions and interactive discussions.

Convenient and Reliable Training Experience

- You have the option to attend classes at any of our established training facilities or from the convenience of your home or office with the use of our HD-ILT network (High Definition Instructor Led Training)
- All Sunset Learning Institute classes are guaranteed to run – you can count on us to deliver the training you need when you need it!

Outstanding Customer Service

- Dedicated account manager to suggest the optimal learning path for you and your team
- Enthusiastic Student Services team available to answer any questions and ensure a quality training experience