Implementing Cisco Advanced Call Control and Mobility Services (CLACCM)

Duration: 180 Days

The Implementing Cisco Advanced Call Control and Mobility Services (CLACCM) v1.X training covers advanced call control and mobility services. You will learn how to use Cisco® Unified Communications Manager features to consolidate your communications infrastructure into a scalable, portable, and secure collaboration solution. Through a combination of lessons and hands-on experiences, you will also learn about a wealth of other features such as Globalized Call Routing, Global Dial Plan Replication, Cisco Unified Mobility, Cisco Extension Mobility, Device Mobility, Session Initiation Protocol Uniform Resource Identifier (SIP/ URI) call routing, Call Admission Control, Cisco Unified Communications Manager Express and Survivable Remote Site Telephony (SRST) gateway technologies, Cisco Unified Board Element Call deployments, signaling and media protocols, call coverage, and time of day routing.

This training prepares you for the 300-815 Implementing Cisco Advanced Call Control and Mobility Services (CLACCM) exam.

Skills You'll Learn

- Gain the skills to deploy advanced call control and mobility services in Cisco Unified Communications Manager, Call Manager Express (CME) and SRST, Cisco Unified Communications Manager Express and advanced SRST gateway technologies, and Cisco Unified Border Element
- Get the knowledge for protocols, solutions, and designs to acquire professional-level and expert-level networking roles

Learning Path Objectives

After taking this training, you should be able to:

- Analyze and troubleshoot SIP, H.323, and media protocols
- Implement time-of-day routing, call park, call pickup, and meet-me conferences in Cisco Unified Communications Manager
- Implement call coverage in Cisco Unified Communications Manager
- Configure and troubleshoot Cisco Unified Communications Manager Device Mobility
- Configure and troubleshoot Cisco Unified Communications Manager Extension Mobility
- Configure and troubleshoot Cisco Unified Communications Manager Unified Mobility
- Implement Cisco Unified Communications Manager Express for SIP phones
- Implement globalized call routing within and between Cisco Unified Communications Manager clusters
- Implement Media Gateway Control Protocol (MGCP) fallback and Survivable Remote Site Telephony (SRST) in Cisco Unified Communications Manager and in Cisco IOS® XE gateways
- Implement Call Admission Control and Automated Alternate Routing (AAR) in Cisco Unified Communications Manager

- Implement URI calling in Cisco Unified Communications Manager for calls within a cluster and between clusters
- Troubleshoot multisite Cisco Unified Communications Manager deployments
- Implement Intercluster Lookup Service (ILS) between Cisco Unified Communications Manager clusters and enable Global Dial Plan Replication (GDPR)
- Configure and troubleshoot Cisco Unified Border Element