CISC-20 - CLACCM - IMPLEMENTING CISCO ADVANCED CALL CONTROL AND MOBILITY SERVICES V1.1

Categoria: **Cisco**

INFORMAZIONI SUL CORSO

Durata:	Categoria:	Qualifica Istruttore:	Dedicato a:	Produttore:
5 Giorni	Cisco	Cisco Certified Instructor	Professionista IT	Cisco

OBIETTIVI

After completing this course you should be abe 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 General Data Protection Regulation (GDPR)
- -Configure and troubleshoot Cisco Unified Border Element

PREREQUISITI

Attendees should meet the following prerequsites:

- -Internet web browser usability knowledge and general computer usage
- -Basic understanding of networking technologies
- -Basic understanding of voice and video

Recommended prerequisites:

- -CLFNDU - Understanding Cisco Collaboration Foundations
- -CLCOR - Implementing and Operating Cisco Collaboration Core Technologies

CONTENUTI

Analyzing and Troubleshooting Signaling and Media Protocols

- -SIP Review
- -H.323 Review
- -SIP and H.323 Trunking Considerations
- -SIP and H.323 Troubleshooting Tools

Implementing Cisco Unified Communications Manager Supplemental Services

- -Call Park
- -Call Pickup
- -Meet-Me Conferences
- -Time-of-Day Routing

Implementing Call Coverage in Cisco Unified Communications Manager

- -Overview of Call Coverage in Cisco Unified Communications Manager
- -Call Hunting
- -Call Queuing

Configuring and Troubleshooting Cisco Unified Communications Manager Device Mobility

- -Issues with Roaming Devices
- -Device Mobility Characteristics
- -Device Mobility Operation
- -Device Mobility Considerations

Configuring and Troubleshooting Cisco Unified Communications Manager Extension Mobility

- -Issues with Roaming Users
- -Cisco Unified Communications Manager Extension Mobility Characteristics
- -Cisco Unified Communications Manager Extension Mobility Components
- -Cisco Unified Communications Manager Extension Mobility Considerations
- -Cisco Unified Communications Manager Extension Mobility Troubleshooting.

Configuring and Troubleshooting Cisco Unified CM Unified Mobility

- -Issues with Multiple Devices
- -Cisco Unified CM Mobility Overview
- -Cisco Unified CM Unified Mobility Operation
- -Cisco Unified CM Mobility Considerations
- -Cisco Unified CM Unified Mobility Troubleshooting

Implementing Cisco Unified Communications Manager Express

- -Cisco Unified Communications Manager Express Overview
- -Endpoint Addressing and Call Routing in Cisco Unified Communications Manager Express
- -Calling Privileges and Toll-Fraud Prevention in Cisco Unified Communication Manager Express
- -Hunt Groups
- -Call Park
- -Paging

Implementing Globalized Call Routing

- -Overview of Multisite Dial Plans

- -Globalized Call Routing Overview
- -Globalized Call-Routing Number Formats
- -Globalization of Localized Call Ingress
- -Localization During Call Egress
- -Calls that involve Non-DID Endpoints
- -TEHO, Including Local PSTN Backup
- -Class of Service in Globalized Call Routing Deployments

Implementing Remote Site Survivability

- -Overview of Remote Site Survivability
- -Cisco Unified SRST
- -Reachability Within the Remote Site and to the Outside
- -Survivability of MGCP Gateways Using MGCP Fallback

Implementing Call Admission Control in Cisco Unified Communications Manager

- -CAC Overview
- -Location CAC Within a Cluster
- -Location CAC for Off-Cluster Calls Using Locally Configured Locations
- -Intercluster Location CAC
- -PSTN Backup for Intracluster Calls Denied by CAC
- -PSTN Backup for Intercluster Calls Denied by CAC

Implementing URI Calling in Cisco Unified Communications Manager

- -URI Call-Routing Overview
- -Directory URIs in Cisco Unified Communications Manager
- -URI Call-Routing Process
- -SIP Route Patterns and SIP Trunks
- -URI Call Routing Considerations

Troubleshooting Multisite Cisco Unified Communications Manager Deployments

- -Call Routing Troubleshooting
- -Calling-Party Presentation Troubleshooting
- -Egress Device Selection and SIP Trunk Troubleshooting
- -CAC Troubleshooting

Examining Global Dial Plan Replication

- -GDPR Overview
- -ILS Characteristics
- -GDPR Components
- -Call Routing with GDPR
- -PSTN Backup

Configuring and Troubleshooting Cisco Unified Border Element

- -Overview of Cisco Unified Border Element
- -Cisco Unified Border Element Call Routing
- -Explore Advanced Cisco Unified Border Element Dial-Peer Features
- -Cisco Unified Border Element SIP Header and SDP Manipulation
- -Cisco Unified Border Element Signaling and Media Bindings
- -Cisco Unified Border Element Troubleshooting

Labs:

- -Analyze SIP, H.323, and Media Protocols
- -Troubleshoot SIP and Media Protocols
- -Implement Cisco Unified Communications Manager Supplemental Services
- -Implement Call Hunting and Call Queueing in Cisco Unified Communications Manager
- -Configure Device Mobility
- -Troubleshoot Cisco Unified Communications Manager Device Mobility
- -Configure Cisco Unified Communications Manager Extension Mobility
- -Troubleshoot Cisco Unified Communications Manager Extension Mobility
- -Configure Cisco Unified Mobility
- -Troubleshoot Cisco Unified Mobility
- -Implement Endpoints in Cisco Unified Communications Manager Express
- -Implement Endpoint Addressing and Call Routing in Cisco Unified Communications Manager Express
- -Implement Calling Privileges in Cisco Unified Communications Manager Express
- -Implement Hunt Groups, Call Park, and Paging in Cisco United Communications Manager Express
- -Implement Globalized Call Routing
- -Implement TEHO, PSTN Backup, and CoS in a Globalized Call-Routing Deployment
- -Implement MGCP Fallback and Survivable Remote Site Telephony
- -Implement Call Admission Control
- -Implement a URI-Based Dial Plan for Multisite Deployments
- -Troubleshoot Globalized Call Routing
- -Troubleshoot Call Admission Control
- -Implement Global Dial Plan Replication
- -Implement Cisco Unified Border Element
- -Troubleshoot Cisco Unified Border Element

INFO

Esame: 300-815 - Implementing Cisco Advanced Call Control and Mobility Services
Materiale didattico: Materiale didattico ufficiale Cisco in formato digitale
Costo materiale didattico: incluso nel prezzo del corso a Calendario
Natura del corso: Operativo (previsti lab su PC)