CISC-30 - CLCOR-OP - IMPLEMENTING AND OPERATING CISCO COLLABORATION CORE TECHNOLOGIES ON-PREMISES V2.0

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 able to:

- Introduce network engineers to the fundamental concepts and deployment models of Cisco collaboration architecture for building high-availability environments
- Understand how to implement layered security across physical, network, and application components of Cisco Collaboration systems
- Gain practical skills and strategic insight to ensure collaboration solutions function seamlessly by understanding the foundational infrastructure, signaling, and media transport protocols
- Describe the options and requirements of clustering Collaboration applications
- Demonstrate how to simplify and automate users in Cisco Unified Communications Manager using LDAP integrations
- Explore the various methods used to provision devices in Cisco Unified Communications Manager
- Apply the functions of Dial plans and Endpoint Addressing within Cisco Unified Communications Manager
- Implement globalized call routing within a Cisco Unified Communications Manager cluster
- Configure calling privileges in Cisco Unified Communications Manager
- Understand the core functions and practical uses of the main Cisco Collaboration APIs, learn secure authentication methods, and gain working knowledge of specific APIs for various Cisco Unified Communication applications
- Determine the tools available to troubleshoot Cisco Unified Communications Manager
- Describe the devices which provide the connections to destinations outside the Cisco Unified Communications Manager cluster
- Describe the Cisco Expressway components, deployment options, and supported features
- Demonstrate the fundamental functions provided by the Cisco Unified Border Element
- Demonstrate the advanced functions provided by the Cisco Unified Border Element
- Apply the Cisco Unified Border Element troubleshooting strategies and tools
- Gain the practical skills and confidence to identify, plan, and configure media resources for seamless communication and interoperability in Cisco collaboration environments
- Assess, design, and implement media resources, including DSPs, transcoders, and recording solutions on Cisco IOS XE devices
- Integrate, configure, and manage a unified messaging system with a call control system to enable essential communication features and optimize user experience

PREREQUISITI

There are no prerequisites for this training. However, the knowledge and skills you are recommended to have before attending this training are:

-Basic understanding of networking technologies

-Basic understanding of voice and video

-Basic understanding of on-premises, cloud, and hybrid collaboration deployment models

Recommended prerequisites:

-CCNA - Implementing and Administering Cisco Solutions

-CLFNDU - Understanding Cisco Collaboration Foundations

CONTENUTI

Course Outline

-Collaboration Solutions Architecture

-Cisco Collaboration Solutions Security Requirements

-IP Network Protocols for Collaboration

-Groups and Clustering

-User Management with LDAP

-On-Premises Device Provisioning Solutions

-Dial Plans and Endpoint Addressing

-Calling Privileges and Toll Fraud Protection

-Globalized Call Routing

-Cisco Unified Communications Manager APIs

-Monitoring Tools and Troubleshooting

-Edge Services

-Cisco Expressway

-Cisco Unified Border Element

-Border Controller Advanced Configuration

-Cisco Unified Border Element Troubleshooting

-Media Resources

-Cisco IOS XE Media Resources

-Cisco Unity Connection Integration

Lab Outline

-Implement CA-Signed Certificates in Cisco Unified Communications Manager

-Configure Supporting IP Network Protocols

-Manual IP Phone Administration

-Configure and Troubleshoot Lightweight Directory Access Protocol (LDAP) Integration

-Deploy IP Phones Using Cisco Self-Provisioning

-Deploy IP Phones Using Batch Provisioning

-Implement Endpoint Addressing and Internal Call Routing

-Configure Calling Privileges

-Implement Toll Fraud Prevention on Cisco Unified Communications Manager

-Implement Globalized Call Routing

-Use APIs in an On-Premises Collaboration Environment

-Troubleshoot Dial Plan Issues with Monitoring Tools

-Implement Session Border Controller
-Troubleshoot Session Border Controller
-Media Resources
-Integrate Cisco Unity Connection with Cisco Unified Communications Manager
-Manage Cisco Unity Connection Users
-Configure Cisco Unity Connection Call Handlers

INFO

Esame: 350-801 - Implementing and Operating Cisco Collaboration Core Technologies
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)