CISC-26 - ENWLSI - IMPLEMENTING CISCO ENTERPRISE WIRELESS NETWORKS

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:

-Implement network settings to provide a secure wireless network infrastructure
-Troubleshoot security issues as it relates to the wireless network infrastructure
-Implement a secure wireless client and troubleshoot wireless client connectivity issues
-Implement and troubleshoot QoS in wireless networks
-Implement and troubleshoot advanced capabilities in wireless network services

PREREQUISITI

Attendees should meet the following prerequsites:

-General knowledge of networks
-General knowledge of wireless networks
-Routing and switching knowledge

Recommended prerequisites:

-CCNA - Implementing and Administering Cisco Solutions
-WLFNDU - Understanding Cisco Wireless Foundations
-ENCOR - Implementing and Operating Cisco Enterprise Network Core Technologies

CONTENUTI

Securing and Troubleshooting the Wireless Network Infrastructure

-Implement Secure Access to the WLCs and Access Points
-Configure the Network for Access Point 802.1X Authentication
-Use Cisco DNA Center for Controller and AP Auto Install
-Implement Cisco Prime Infrastructure
-Define Network Troubleshooting Techniques
-Troubleshoot Access Point Join Issues
-Monitor the Wireless Network

Implementing and Troubleshooting Secure Client Connectivity

-Configure the Cisco WLC for Wireless Client 802.1x Authentication
-Configure the Wireless Client for 802.1X Authentication
-Configure a Wireless LAN for FlexConnect
-Implement Guest Services in the Wireless Network
-Configure the Cisco WLC for Centralized Web Authentication
-Configure Central Web Authentication on Cisco ISE
-Implement BYOD
-Implement Location-Aware Guest Services
-Troubleshoot Client Connectivity
-Describe Issues that Affect Client Performance
-Monitor Wireless Clients

Implementing and Troubleshooting QoS in Wireless Networks

-Implement QoS in the Wireless Network
-Configure the Cisco WLC to Support Voice Traffic
-Optimize Wireless Utilization on the Cisco WLC
-Implement Cisco AVC in the Wireless Network
-Implement Multicast Services
-Implement mDNS Service
-Implement Cisco Media Stream
-Troubleshoot QoS Issues in the Wireless Network
-Troublehoot mDNS Issues
-Troubleshoot Media Stream Issues

Implementing and Troubleshooting Advanced Wireless Network Services

-Implement Base Location Services on Cisco Prime Infrastructure
-Implement Hyperlocation in the Wireless Network
-Implement Detect and Locate Services on Cisco CMX
-Implement Analytics on Cisco CMX
-Implement Presence Services on Cisco CMX
-Monitor and Locate Rogue Devices with Cisco Prime Infrastructure and Cisco CMX
-Monitor and Detect Wireless Clients with Cisco CMX and Cisco DNA Center
-Run Analytics on Wireless Clients
-Troubleshoot Location Accuracy with Cisco Hyperlocation
-Monitor and Manage RF Interferers on the Cisco WLC
-Monitor and Manager RF Interferers on Cisco Prime Infrastructure and Cisco CMX

Labs

-Lab Familiarization (Base Learning Lab)
-Configure Secure Management Access for WLCs and APs
-Add Network Devices and External Resources to Cisco Prime Infrastructure
-Capture a Successful AP Authentication
-Implement AAA Services for Central Mode WLANs
-Implement AAA Services for FlexConnect Mode WLANs
-Configure Guest Services in the Wireless Network
-Configure BYOD in the Wireless Network
-Capture a Successful Client Authentications
-Configure QoS in the Wireless Network for Voice and Video Services

-Configure Cisco AVC in the Wireless Network
-Capture Successful QoS Traffic Marking in the Wireless Network
-Configure Detect and Locate Services on the Cisco CMX
-Identify Wireless Clients and Security Threats

INFO

Esame: 300-430 - Implementing Cisco Enterprise Wireless Networks
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)