Configuring Cisco Catalyst 9800 and Intro to WIFI6

Duración: 3 Días Código del Curso: N1-C98WF6 Version: 2.0 Método de Impartición: Curso Cerrado (In-Company)

Temario:

Configuring Cisco Catalyst 9800 and Intro to Wi-Fi 6 (C98WF6) is a course designed to help students understand how the Catalyst 9800 Series wireless controllers combine the best of RF excellence with IOS XE benefits. This course begins with a description of the Cisco Catalyst 9800 and its benefits while introducing the learner to Wi-Fi 6. The configuration, migration, and troubleshooting will also be covered in this instructor-led course.
The course qualifies for 24 Cisco Continuing Education Credits (CE).

Curso Cerrado (In-Company)

Debido a que nuestra formación es modular, nuestros responsables de formación e instructores pueden trabajar con usted y su equipo para detectar las necesidades formativas y adaptar un temario de forma rápida y rentable. Durante una formación cerrada, usted recibirá una formación de expertos en un curriculum adaptado a sus necesidades.

Dirigido a:

The primary audience for this course is as follows:
Cisco Partners and customers interested in the Catalyst 9800 wireless controller

Objetivos:

- Upon completing this course, the learner will be able to meet these overall objectives:
- Describe Cisco Catalyst 9800
- Understand the Benefits for Catalyst 9800
- Configure Catalyst 9800
- Migrate to the Catalyst 9800
- Troubleshoot the Catalyst 9800
- Understand and Discuss WIFI6
- **What's New in C98WF6?**
- The updated version of this course covers newer topics, including:
- Multi Preshared key authentication
- Identity Preshared Key authentication
- C9800 and ISE integration
- FlexConnect using Dot1x authentication
- In depth troubleshooting using C9800 platform for wireless clients
- Flexconnect groups
- QOS to block social media websites
- The labs use C9800 17.7.1 software code and ISE 3.1.0 code.

Prerequisitos:

The knowledge and skills that the learner should have before attending this course are as follows:

- Understanding of Wi-Fi technologies (CCNA Level)
- CCNA - Implementing and Administering Cisco Solutions
- WLFNDU - Understanding Cisco Wireless Foundations

Exámenes y certificación

- *N\A*

Siguientes cursos recomendados:

- *None recommended*

Contenido:

Course Outlines

Module 1: Cisco Catalyst 9800 Wireless Controller and Wi-Fi 6

- Introduction to Cisco Catalyst 9800 Wireless Controller
- Cisco Catalyst 9800 Wireless Controller On-Prem and Cloud

Module 2: Wi-Fi 6 and Wi-Fi 6E

- Wireless Evolution
- Wi-Fi 6
- Wi-Fi 6E

Module 3: Wireless Setup – Basic

- VLAN
- Tags
- Location

Module 4: Authentication Mechanisms

- Authentication Types
- MAB Authentication

Module 5: Wireless Setup – Advanced

- WLC Deployment Options
- FlexConnect
- Resiliency
- FlexConnect Configuration
- AireOS vs. WLC C9800

Module 6: Mobility

- Introduction to Mobility
- Mobility Groups
- Configuring Mobility Groups
- Verify Mobility

Module 7: Guest Anchor Mobility

- Guest Flow
- Guest Anchor Mobility
- Guest Anchor Configuration
- Scenario #1: Foreign / Anchor – C9800
- Scenario #2: Foreign – C9800, Anchor – AireOS
- Scenario #3: Foreign – AireOS, Anchor – C9800

Module 8: Application Visibility and Control Feature

- Application Visibility and Control
- Prerequisites and Restrictions
- QOS Workflow

Module 9: Backup and Restore Licensing

- Configuration Backup
- Restore Configuration
- Licensing

Module 10: High Availability

- High Availability Design with Cisco Catalyst 9800 Wireless Controllers
- High Availability: N+1 Redundancy
- High Availability: Stateful Switchover (SSO)
- High Availability: Failover Scenarios
- SSO Best Practices
- Access Point Redundancy
- LACP, PAGP Support in SSO Pair

Module 11: Software Updates

- Software Patching Capability
- Software Maintenance Update
- Rolling AP Update/Upgrade Infrastructure
- Controller Software Upgrade

Labs Outlines

Labs are designed to assure learners a whole practical experience, through the following practical activities:

- Lab 1: Create VLAN
- Lab 2: Create Location
- Lab 3: Create Mpsk SSID
- Lab 4: WLC and ISE Integration
- Lab 5: Create and Test Ipsk SSID
- Lab 6: Implement FlexConnect WLAN Deployment on 9800 WLC
- Lab 7: Flex Connect Group
- Lab 8: Mobility Tunnel Setup
- Lab 9: Guest Anchor Mobility
- Lab 10: QOS and AVC
- Lab 11: Perform 9800 WLC Maintenance
- Lab 12: 9800 WLC Troubleshooting
- Lab 13: High Availability SSO for Centralized Cisco 9800 WLC
- Lab 14: Perform 9800 WLC Upgrade In HA Pair

The labs use C9800 17.7.1 software code and ISE 3.1.0 code.

Más información:

Para más información o para reservar tu plaza llámanos al (34) 91 425 06 60

info.cursos@globalknowledge.es

www.globalknowledge.com/es-es/

Global Knowledge Network Spain, C/ Retama 7, 6ª planta, 28045 Madrid