

# C98WF6 - CONFIGURING CISCO CATALYST 9800 AND INTRO TO WIFI6 V2.0

Course Code: 100778

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).

## **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.

## **What You'll Learn**

Upon successful completion of this course, you should 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

## **Who Needs to Attend**

The primary audience for this course is as follows:

- Cisco Partners and customers interested in the Catalyst 9800 wireless controller

## Prerequisites

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

- Understanding of Wi-Fi technologies (CCNA Level)

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VIRTUAL CLASSROOM LIVE

\$3,395 USD

3 Day

## Virtual Classroom Live Outline

### **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

### **Virtual Classroom Live Labs**

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.

Jan 20 - 22, 2026 | 10:00 AM - 6:00 PM EST

Feb 17 - 19, 2026 | 10:00 AM - 6:00 PM EST

Mar 16 - 18, 2026 | 10:00 AM - 6:00 PM EST

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