Understanding and Troubleshooting Cisco Catalyst 9800 Series Wireless Controllers

Overview
As wireless networks, applications, and services rapidly evolve, they grow increasingly business critical, with steeper requirements for performance, latency, deployment density, and device support. The advanced Catalyst 9800 wireless controllers from Cisco meet these challenges, delivering exceptional adaptability, security, performance, scalability, and programmability. Based on the modern and secure Cisco IOS XE operating system, their support for Cisco intent-based networking will help you continually leverage new innovation.

The course delivers a deep understanding of Catalyst 9800 hardware and software, tightly linked to business value. Network operators and other IT professionals will discover tested tools and methods for reliable and efficient setup, configuration, monitoring, and troubleshooting the Cisco catalyst 9800 Series Wireless Controller.

Course Objective

- Understand Catalyst 9800 benefits, capabilities, roles, and architecture
- Learn the new C9800 Configuration Model, with key design considerations and best practices
- Deploy and configure the C9800 in private and public clouds
- Systematically secure the C9800: from AAA and ACLs to rogue detection and wireless intrusion prevention (WIPS)
- Establish and optimize seamless client roaming in enterprise environments
- Learn how the C9800 implements key RF concepts
- Plan and implement an end-to-end architecture for QoS, and design/ deploy for high availability and network services like multicast
- Discover value-added wireless services available through Cisco DNA Spaces
- Drive agility and value via network programmability with YANG, Python, RESTCONF, and NETCONF
- Make the most out of the rich data models of Model-Driven Telemetry and Programmability using open-source tools
- Walk through wireless network troubleshooting, backup/restore, and upgrades

Table of Contents

Module 1 Cisco C9800 Series

Module 2 Hardware and Software Architecture of the C9800

Module 3 C9800 Configuration Model