Implementing Cisco Catalyst 9000 Series Switches (ENC9K) v4.0

Price: 2995

Duration: 3 days

Delivery Methods: Virtual

Overview

The Implementing Cisco Catalyst 9000 Series Switches (ENC9K) training provides you with insight into Cisco Catalyst 9000 Series Switches and its solution components. You will learn about the architecture, capabilities, positioning, and implementation of the Cisco Catalyst 9000 Series switches, as well as the management of the switches using CLI, Cisco DNA Center, and IOS-XE web user GUI. Additionally, you will be introduced to security, cloud, automation, and other important features of Cisco Catalyst 9000 Series switches.

How You'll Benefit

This training will help you:
- Prepare for successful deployment of the Cisco Catalyst 9000 Series Switches
- Understand the role of Cisco Catalyst 9000 Series Switches in the SD-Access fabric
- Learn to provision Cisco Catalyst 9000 Series Switches using Cisco DNA center as the orchestration platform
- Gain hands-on practice through in-depth lab exercises

Who Should Enroll

This training is intended for:
- Network designers
- Network managers
- System engineers

Path Objectives

After taking this training, you should be able to:

- Review the Cisco Catalyst 9000 Series Switches identify the switches' features and examine the functionalities purpose-built for Cisco DNA and the SD-Access solution
- Position the different Cisco Catalyst 9000 Series Switch model types in the network, and map older Cisco Catalyst switches to the 9000 family for migration
- Identify the role and value of Cisco Silicon One in a campus environment
- Examine management capabilities of the Cisco Catalyst 9000 Series Switches
- Describe the scalability and performance features supported by the Cisco Catalyst 9000 Series Switches
- Describe the Cisco Catalyst 9000 Series Switch support for security, Quality of Service (QoS), and Internet of Things (IoT) convergence features
- Describe automation features, Application Programming Interface (API), Infrastructure as Code, and automation tools supported on Cisco Catalyst 9000 Series switches
- Describe the new QoS, IoT, and BGP EVPN Features on Cisco Catalyst 9000 Series Switches
- Describe the maintenance features on Cisco Catalyst 9000 Series switches
- Explore the SD-Access solution fundamentals, deployment models for the Cisco Catalyst 9000 Series Switch, and the use of Cisco DNA Center to manage infrastructure devices
- Automate Day 0 device onboarding with Cisco DNA Center LAN Automation and Network PnP
- Describe how to manage and host applications on Cisco Catalyst 9000 Series switches using Cisco DNA Center
- Explore a modern approach to cloud-managed networking for Cisco Catalyst 9000 Series switches and wireless access points that uses the Meraki Dashboard and analytics
- Describe the Cisco Catalyst 9200 Series Switch architecture, model types, port types, uplink modules, components including power supplies, and other switch features and capabilities
- Describe the Cisco Catalyst 9300 Series Switch architecture, model types, port types, uplink modules, and components, including power supplies and stacking cables
- Describe the Cisco Catalyst 9400 Series Switches, different modular chassis, supervisor and line card options, architectural components, uplink, and power redundancy, and Multigigabit ports
- Describe the Cisco Catalyst 9500 Series Switches, model types, switch components, RFID support, architecture, and switch profiles
- Describe the Cisco Catalyst 9600 Series Switch architecture, supervisor and line card options, and high availability features

Learning Path Prerequisites

There are no prerequisites for this training. However, the knowledge and skills you are recommended to have before attending this training are:
- Cisco CCNP® certification or equivalent experience
- Knowledge of configuring LAN routing and switching with Cisco Catalyst switches
- Familiarity with the Cisco IOS XE operating system
- Familiarity with using network management software
- Familiarity with Cisco Intent-based networking and policy-based management automation technologies

Course Schedule

Date	Time	Price	Options

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FAQ

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