



DCAC9K: Cisco Data Center Application Centric Infrastructure v 2.0

Course ID #: 1575-ZZ-02-W

Hours: 35

Course Content

Course Description:

Configuring Cisco Nexus 9000 Switches in ACI Mode (DCAC9KIF v2.1) is a 5-day instructor-led course that covers the key components and procedures that Field Engineers, Systems Engineers, and Systems Administrators need to know in order to understand, deploy, configure, and manage Cisco Nexus 9000 Series Switches in Application Centric Infrastructure (ACI) mode, as well as how to connect the ACI fabric to external networks and services.

This training features ACI APIC v2.1.

At Course Completion:

- Describe the Cisco Nexus 9000 Series Switch ACI
- Discuss the ACI fabric
- Review Cisco Nexus 9000 Series Switch hardware
- Configure the ACI controller (APIC)
- Configure ACI L4-L7 service integration
- Integrate the APIC hypervisor
- Understand the programmability and orchestration of the ACI network
- Discuss ACI connectivity to outside networks
- Implement ACI management
- Describe migration options with ACI

Prerequisites:

The knowledge and skills that a learner must have before attending this course are as follows:

- Students should be familiar with Cisco Ethernet switching products.
- Students should understand Cisco data center architecture.
- Students should be familiar with virtualization.
 - Good understanding of networking protocols, routing, and switching:
 - Recommended CCNA Certification
 - Recommended attendance of Implementing Cisco IP Routing v2.0 (ROUTE)
 - Recommended attendance of Implementing Cisco IP Switched Networks v2.0 (SWITCH)

Target Student:

This course is intended for Network Architects, Data Center Cloud Systems Architects, and Systems Administrators.



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Deliver Method:

This course is delivered through a mix of instructor-led training (ILT) and hands-on labs.

Topics:

Module 1: Cisco Application Infrastructure

Overview

- Lesson 1: Describing the Cisco Nexus 9000 Series Switch in ACI Mode
- Lesson 2: Describing the Cisco ACI Fabric
- Lesson 3: Describing Cisco Nexus 9000 Series Switch Hardware
- Lesson 4: Configuring the APIC

Module 2: Cisco Application Centric Infrastructure Configuration and Orchestration

- Lesson 1: Configuring Layer 4 through Layer 7 Services
- Lesson 2: Configuring APIC Hypervisor Integration
- Lesson 3: Demonstrating ACI Network Programmability and Orchestration

Module 3: Cisco Application Centric Infrastructure External Connectivity, Management, and Migration

- Lesson 1: Configuring ACI Connectivity to Outside Networks
- Lesson 2: Implementing ACI Management
- Lesson 3: Describing Migration Options with the ACI