

## DCAC9K v1.0 - Configuring Cisco Nexus 9000 Series Switches in ACI Mode

### Course Outline

#### **Module 1: Cisco Application Infrastructure Overview**

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

#### **Lab Outline**

- Lab 1: Initiate ACI Fabric Discovery (Instructor Demo)
- Lab 2: Configure Basic Network Constructs
- Lab 3: Configure Policy Filters and Contracts
- Lab 4: Deploy a 3-Tier Application Profile
- Lab 5: Register a VMM Domain with ACI
- Lab 6: Configure VMware ESXi Hosts to use the APIC DVS
- Lab 7: Associate an EPG to a VMware vCenter Domain
- Lab 8: Associate a VM to an EPG Port Group
- Lab 9: Deploy a Service Graph with Application Profile
- Lab 10: Configure APIC using the REST API
- Lab 11: Configure APIC to Communicate to an External Layer 3 Network
- Lab 12: Configure APIC to Communicate to an External Layer 2 Network
- Lab 13: Configure APIC RBAC for Local and Remote Users
- Lab 14: Monitor and Troubleshoot ACI
- Lab 15: Configure APIC for Bare Metal to Bare Metal Communications