

## IMPLEMENTING CISCO APPLICATION CENTRIC INFRASTRUCTURE (DCACI) V1.2

### IMPLEMENTING CISCO APPLICATION CENTRIC INFRASTRUCTURE (DCACI) V1.2

The Implementing Cisco Application Centric Infrastructure (DCACI) v1.2 course shows you how to deploy and manage the Cisco® Nexus® 9000 Series Switches in Cisco Application Centric Infrastructure (Cisco ACI®) mode. You will learn how to configure and manage Cisco Nexus 9000 Series Switches in ACI mode, how to connect the Cisco ACI fabric to external networks and services, and the fundamentals of Virtual Machine Manager (VMM) integration. You will gain hands-on practice implementing key capabilities such as fabric discovery, policies, connectivity, VMM integration, and more.

#### How you'll benefit

This class will help you:

- Gain the skills and hands-on practice integrating the enhanced, automated capabilities of Cisco Nexus 9000 Series Switches in ACI mode for quicker application deployment
- Get the knowledge for protocols, solutions and designs to acquire professional-level and expert-level data center job roles
- Earn 40 CE credits toward recertification
- This course helps prepare you for the following exam: 300-620 Implementing Cisco Application Centric Infrastructure (DCACI)
- Prepare for 300-620 DCACI exam. After you pass, you will earn the Cisco Certified Specialist – Data Center ACI Implementation certification and you satisfy the concentration exam requirement for the CCNP Data Center certification

#### Why Attend with Current Technologies CLC

- Our Instructors are in the top 10% rated by Cisco
- Our Lab has a dedicated 1 Gig Fiber Connection for our Labs
- Our Labs run up to Date Code for all our courses

#### Who Should Attend

The primary audience for this course is as follows:

- Network Designers
- Network Administrators
- Network Engineers
- Systems Engineers
- Data Center Engineers
- Consulting Systems Engineers
- Technical Solutions Architects
- Cisco Integrators/Partners
- Field Engineers
- Server Administrators

#### Course Duration

5 days

#### Course Price

\$4,595.00 or 46 CLCs

#### Methods of Delivery

- Instructor Led
- Virtual ILT
- On-Site

- Network Managers
- Storage Administrators
- Cisco Integrators and Partners

## **OUTLINE**

### **Module 1: Introducing Cisco ACI Fabric Infrastructure and Basic Concepts**

- What Is Cisco ACI?
- Cisco ACI Topology and Hardware

### **Module 2: Describing Cisco ACI Policy Model Logical Constructs**

- Cisco ACI Logical Constructs
- Tenant

### **Module 3: Describing Cisco ACI Basic Packet Forwarding**

- Endpoint Learning
- Basic Bridge Domain Configuration Knob

### **Module 4: Introducing External Network Connectivity**

- Cisco ACI External Connectivity Options
- External Layer 2 Network Connectivity

### **Module 5: Introducing VMM Integration**

- VMware vCenter VDS Integration
- Resolution Immediacy in VMM

### **Module 6: Describing Layer 4 to Layer 7 Integrations**

- Service Appliance Insertion Without ACI L4-L7 Service Graph
- Service Appliance Insertion via ACI L4-L7 Service Graph

### **Module 7: Explaining Cisco ACI Management**

- Out-of-Band Management
- In-Band Management

## **LAB OUTLINE**

- **Lab 1: Validate Fabric Discovery**
- **Lab 2: Configure Network Time Protocol (NTP)**
- **Lab 3: Create Access Policies and Virtual Port Channel (vPC)**
- **Lab 4: Enable Layer 2 Connectivity in the Same Endpoint Group (EPG)**
- **Lab 5: Enable Inter-EPG Layer 2 Connectivity**
- **Lab 6: Enable Inter-EPG Layer 3 Connectivity**
- **Lab 7: Compare Traffic Forwarding Methods in a Bridge Domain**
- **Lab 8: Configure External Layer 2 (L2Out) Connection**

- **Lab 9: Configure External Layer 3 (L3Out) Connection**
- **Lab 10: Integrate Application Policy Infrastructure Controller (APIC) With VMware vCenter Using VMware Distributed Virtual Switch (DVS)**