

## Implementing Cisco Application Centric Infrastructure (CPLL-DCACI)

Duration: 180 days

The Implementing Cisco Application Centric Infrastructure (DCACI) training introduces you to the implementation and management of the Cisco® Nexus 9000 Series Switches in Cisco Application Centric Infrastructure (ACI) mode. The lab training covers the key components and procedures you need to know to understand, configure, and manage Cisco Nexus 9000 Series Switches in ACI mode, how to connect the Cisco ACI fabric to external networks and services, and fundamentals of Virtual Machine Manager (VMM) integration.

This training prepares you for the 300-620 DCACI exam, which certifies your knowledge of working with Cisco switches in ACI mode including configuration, implementation, and management. After you pass 300-620 DCACI, you earn the Cisco Certified Specialist – Data Center ACI Implementation certification and you satisfy the concentration exam requirement for the CCNP Data Center certification. This training also earns you 40 Continuing Education (CE) credits toward recertification.

### Skills You'll Learn

- Explore Cisco ACI fabric infrastructure and understand the basics of ACI for effective management
- Gain an understanding of the logical constructs in Cisco ACI's policy model for efficient policy configuration and management
- Learn how to effectively manage and troubleshoot the Cisco ACI environment, including access policies, monitoring, and automation
- Understand the fundamentals of basic packet forwarding within Cisco ACI, including configuration and troubleshooting techniques
- Discover how to establish seamless external network connectivity within Cisco ACI, integrating with Layer 2 and Layer 3 external networks
- Explore the integration of Cisco ACI with VMMs to effectively manage virtualized environments
- Learn to integrate Layer 4 to Layer 7 services within Cisco ACI for enhanced network services and security

### Learning Path Objectives

After taking this training, you should be able to:

- Describe Cisco ACI Fabric Infrastructure and basic Cisco ACI concepts
- Describe Cisco ACI policy model logical constructs
- Describe Cisco ACI basic packet forwarding
- Describe external network connectivity
- Describe VMM Integration
- Describe Layer 4 to Layer 7 integrations
- Explain Cisco ACI management features