

Implementing Cisco Application Centric Infrastructure – Advanced (CPLL-DCACIA)

Duration: 180 days

The Implementing Cisco Application Centric Infrastructure – Advanced (DCACIA) training shows you how to integrate the capabilities of 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 providing enhanced management and policy framework, along with the protocols used in the underlying fabric. The training also covers how to use Cisco ACI as a policy-driven solution that integrates software and hardware, and how to implement Cisco ACI Multi-Pod and Multi-Site deployments. You will gain hands-on practice implementing advanced ACI capabilities such as Rogue Endpoint Feature, Transit Routing, VRF Route Leaking, Contracts and Zoning Rules, Policy Based Redirect to Layer 4–7 Service Node, Multi-Pod Fabric and Cisco ACI® Multi-Site Orchestrator.

Skills You'll Learn

- Learn to optimize data flow with advanced packet forwarding techniques in Cisco ACI
- Understand how to customize network policies and tenant configurations for enhanced control in Cisco ACI
- Develop expertise to integrate traditional networks into Cisco ACI for seamless connectivity
- Learn to use Cisco ACI Service Graph PBR to enhance Layer 4 to Layer 7 service integration
- Understand multi-pod deployment techniques in Cisco ACI for enhanced scalability
- Understand how to extend Cisco ACI across multiple sites with multisite deployment capabilities

Learning Path Objectives

After completing the 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