Implementing Cisco Application Centric Infrastructure-Advanced (DCACIA)

Duration: 5 Days

Prerequisites:

To fully benefit from this course, you should have the following knowledge and skills:

- Basic understanding of Cisco ACI
- Understanding of Cisco data center architecture
- Familiarity with virtualization fundamentals

These are the recommended Cisco learning offerings that may help you meet these prerequisites:

- Implementing Cisco Application Centric Infrastructure (DCACI)
- Implementing and Administering Cisco Solutions (CCNA®)
- Understanding Cisco Data Center Foundations (DCFNDU)

Course Description:

The Implementing Cisco Application Centric Infrastructure–Advanced (DCACIA) course 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 course 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 Nexus Dashboard Orchestrator (NDO) 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® Nexus Dashboard Orchestrator.

Target Audience:

- Network designers
- Network administrators
- Network engineers
- Systems engineers
- Data center engineers
- Consulting systems engineers
- Technical solutions architects
- Field engineers
- Server administrators
- Network managers
- Storage administrators
- Cisco integrators and partners
- Project managers
- Program managers

Course Outlines:

➢ **Cisco ACI Advanced Packet Forwarding**
- Packet Forwarding Between Leaf Switches
- Endpoint Learning

➢ **Using Advanced Cisco ACI Policy and Tenant Configuration**
- Layer 3 Outside Transit Routing
- Using Tenant Common for Shared Services

➢ **Implementing Traditional Network in Cisco ACI**
- Integrating Switched Network with Cisco ACI
- Migrating Existing Switched Network to Cisco ACI

➢ **Cisco ACI Service Graph PBR**
- Service Graph PBR Overview
- PBR End-to-End Packet Flow

➢ **Cisco ACI Multi-Pod Deployment**
- Cisco ACI Multi-Pod Overview
- Inter-Pod Network Overview

➢ **Cisco Nexus Dashboard Deployment**
- Cisco Nexus Dashboard Overview
- Cisco Nexus Dashboard Orchestrator

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