



Implementing Cisco Application Centric Infrastructure - Advanced (DCACIA) v1.1

Objetivos

After taking this course, you should be able to:

- Explain Cisco ACI advanced fabric packet forwarding
- Explain advanced ACI policy and tenant configuration
- Describe Cisco ACI Multi-Pod deployment
- Explain the details and consideration of implementing and integrating traditional network with Cisco ACI
- Describe Cisco ACI Service Graph Policy-Based Redirect (PBR)
- Describe Cisco ACI Nexus Dashboard Orchestrator deployment

Pre-requisitos

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)**

Contenido

- 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



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- 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

Laboratorio

- Examine Local and Remote Endpoint Learning
- Verify Bounce Entries
- Validate IP Learning
- Mitigate IP and MAC Flapping with the Rogue Endpoint Feature
- Enable Transit Routing
- Implement VRF Route Leaking
- Configure VRF Route Leaking with L3Out
- Examine Contracts and Zoning Rules
- Configure Policy-Based Redirect to Layer 4–7 Service Node
- Deploy Multi-Pod Fabric
- Provision Policies with Cisco ACI Multi-Site Orchestrator