Active Digital Learning - Implementing Cisco Application Centric Infrastructure v1.2

Cisco - On Demand E-Learning

The Implementing Cisco Application Centric Infrastructure (DCACI) v1.0 course shows you how to deploy and manage the Cisco Nexus 9000 Series Switches in Cisco Application Centric Infrastructure (Cisco ACI) mode.

The course gives you the knowledge and skills to configure and manage Cisco Nexus 9000 Series Switches in ACI mode, connect the Cisco ACI fabric to external networks and services, and provides 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.

This course helps you prepare to take the Implementing Cisco Application Centric Infrastructure (300-620 DCACI) exam, which leads to CCNP Data Center and Cisco Certified Specialist - Data Center ACI Implementation certifications.

Access Duration: 180 days

Continuing Education Credits: 40

Training recipients

- Network designers, administrators, engineers, and managers
- Systems engineers

- Data Center engineers
- Consulting systems engineers
- Technical solutions architects
- Field engineers
- Server administrators
- Storage administrators
- Cisco integrators and partners

Benefits

This course 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

Training program

Course Objective
After completing the course, 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

Course Outline
Learning Path Curriculum
- Cisco ACI Fundamentals
- Cisco ACI Basic Packet Forwarding and External Network Connectivity
- Cisco ACI Integrations

Lab Outline
Discovery 1: Validate Fabric Discovery
Discovery 2: Configure NTP

Discovery 3: Create Access Policies and vPC

Discovery 4: Enable Layer 2 Connectivity in the Same EPG

Discovery 5: Enable Inter-EPG Layer 2 Connectivity

Discovery 6: Enable Inter-EPG Layer 3 Connectivity

Discovery 7: Compare Traffic Forwarding Methods in a Bridge Domain

Discovery 8: Configure External Layer 2 Connection

Discovery 9: Configure External Layer 3 (L3Out) Connection

Discovery 10: Integrate Cisco APIC with VMware vCenter Using VMware VDS

Expected preparation of the participant

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

- Understanding of networking protocols, routing, and switching
- Familiarity with Cisco Ethernet switching products
- Understanding of Cisco data center architecture
- Familiarity with virtualization fundamentals

The following Cisco courses may help you meet these prerequisites:

- Implementing and Administering Cisco Solutions (CCNA)
- Understanding Cisco Data Center Foundations (DCFNDU)

Training Includes

- Labs
- Self-Paced Training

Language

Language: English

Materials: English

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Examination description

Certification:

Associated Certification: CCNP Data Center

Associated Exam: 300-620 DCACI