

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

Duration

1 days / 1 hours

Examination description

Certification:

Associated Certification: [CCNP Data Center](#)

Associated Exam: [300-620 DCACI](#)