Implementing Cisco Application Centric Infrastructure (DCACI)

Category: Infrastructure & IT Operations | **Vendor:** Cisco

Duration: 40.00 hours (5 days) **32.5 CPD Hours**

Rating: ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format:	Instructor Led - Online
Certification:	Cisco Certified Specialist – Data Center ACI Implementation, CCNP
Related Exam:	300-620

Course Overview

The Implementing Cisco Application Centric Infrastructure (DCACI) v1.2 course shows you how to deploy and manage 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, how to connect the Cisco ACI fabric to external networks and services, and 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 earns you 40 Continuing Education (CE) credits towards recertification.

This course helps prepare you for the following exam:

300-620 Implementing Cisco Application Centric Infrastructure (DCACI)

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
- Earn 40 CE credits toward recertification

What to expect in the exam

- The 300-620 DCACI exam certifies your knowledge of working with Cisco switches in ACI mode including configuration, implementation, and management.
- After you pass 300-620 DCACI, you earn the Cisco Certified Specialist – Data Center ACI Implementation certification and you satisfy the concentration exam requirement for the CCNP Data Center certification

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About This Course

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Who Should Attend

- Network Designer
- Network Administrator
- Network Engineer
- Systems Engineer
- Data Center Engineer
- Consulting Systems Engineer
- Technical Solutions Architect
- Cisco Integrators/Partners
- Field Engineer
- Server Administrator
- Network Manager
- Storage Administrator
- Cisco integrators and partners

Prerequisites & Entry Requirements

General Prerequisites:

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

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

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

Learning Outcomes

Upon successful completion of this course, participants will be able to:

After taking this 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

Detailed Course Outline

Introducing Cisco ACI Fabric Infrastructure and Basic Concepts

- What Is Cisco ACI?
- Cisco ACI Topology and Hardware

Describing Cisco ACI Policy Model Logical Constructs

- Cisco ACI Logical Constructs
- Tenant

Describing Cisco ACI Basic Packet Forwarding

- Endpoint Learning

- Basic Bridge Domain Configuration Knob

Introducing External Network Connectivity

- Cisco ACI External Connectivity Options

- External Layer 2 Network Connectivity

Introducing VMM Integration

- VMware vCenter VDS Integration

- Resolution Immediacy in VMM

Describing Layer 4 to Layer 7 Integrations

- Service Appliance Insertion Without ACI L4-L7 Service Graph

- Service Appliance Insertion via ACI L4-L7 Service Graph

Explaining Cisco ACI Management

- Out-of-Band Management

- In-Band Management

Certification Path

Cisco Certified Specialist – Data Center ACI Implementation, CCNP

Exam: 300-620

Skills You Will Learn:

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Frequently Asked Questions

Q: What delivery options are available for Implementing Cisco Application Centric Infrastructure (DCACI)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: What certification does this course prepare me for?

The Implementing Cisco Application Centric Infrastructure (DCACI) course helps prepare you for the Cisco Certified Specialist – Data Center ACI Implementation, CCNP certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the 300-620 official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: How many CPD hours does this course provide?

The 5-day Implementing Cisco Application Centric Infrastructure (DCACI) course provides up to 32.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Implementing Cisco Application Centric Infrastructure (DCACI) training?

The training takes place over 5 day(s), with each day lasting approximately 40.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Implementing Cisco Application Centric Infrastructure (DCACI)?

Yes, we provide corporate training, dedicated training, and closed classes for Implementing Cisco Application Centric Infrastructure (DCACI). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Implementing Cisco Application Centric Infrastructure, Cisco Professional Level Data Center - CCNP, DCACI

Q: Why choose Nexus Human for Implementing Cisco Application Centric Infrastructure (DCACI)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Implementing Cisco Application Centric Infrastructure (DCACI) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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