# Implementing Cisco Application Centric Infrastructure Training

Duration: **5 Day**

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## Overview

The Implementing Cisco Application Centric Infrastructure (DCACI) v1.0 course show 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, how to connect the Cisco ACI fabric to external networks and services, and 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 exam, Implementing Cisco Application Centric Infrastructure (300-620 DCACI), which leads to CCNP® Data Center and Cisco Certified Specialist – Data Center ACI Implementation certifications.

## 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) or Interconnecting Cisco Network Devices: Accelerated v3.0 (CCNAX) or Interconnecting Cisco Network Devices Part 1 Version 3.0 (ICND1) & Interconnecting Cisco Network Devices Part 2 Version 3.0 (ICND2)

and

- Understanding Cisco Data Center Foundations (DCFNDU) or Introducing Cisco Data Center Networking (DCICN) & Introducing Cisco Data Center Technologies (DCICT)

### Target Audience

- 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

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## What You Will Learn

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

This course will help you:

- Gain skills and hands-on practice implementing Cisco Nexus 9000 Series Switches in ACI mode
- Prepare for the Implementing Cisco Application Centric Infrastructure (300-620 DCACI) exam
- Qualify for professional-level and expert-level data center job roles