



Cisco Application Centric Infrastructure Operations and Troubleshooting (DCACIO) v5.2

What you'll learn in this course

The Cisco Application Centric Infrastructure Operations and Troubleshooting (DCACIO) v5.2 course shows you how to manage, monitor, and troubleshoot Cisco® Nexus® 9000 Series Switches in Application-Centric Infrastructure (ACI) mode. Through expert instruction and hands-on practice, you will learn about operational tools, best practices, caveats, and practice troubleshooting common issues on a live fabric. Based on lessons learned in wide range of production deployments, this course gives you the real-world knowledge and skills to boost operational efficiencies in your own deployment.

Course duration

- Instructor-led training: 3 days in the classroom
- Virtual instructor-led training: 3 days of web-based classes
- E-learning: Equivalent of 2 days of instruction and hands-on lab practice

How you'll benefit

This course will help you:

- Quickly ramp up on Cisco ACI® operational knowledge, skills, and best practices honed from real-world production deployments
- Gain hands-on troubleshooting techniques
- Optimize the benefits of using Cisco ACI, such as streamlined operations



Who should enroll

IT professionals who operate and support a Cisco ACI data center network, including:

- Data center engineers
- Field engineers
- Network engineers
- Systems engineers
- Cisco integrators/partners
- Consulting systems engineer
- Technical solutions architect
- Service administrator
- Network manager

Technology areas

- Data center

Course details

Objectives

After taking this course, you should be able to:

- Describe the Cisco ACI built-in tools for operating and monitoring the fabric.
- Describe the complex challenges related to monitoring and Cisco tools that address them: Cisco Nexus Dashboard and Cisco Nexus Dashboard Insights.
- Describe fabric installation upgrade, backup, restore, and best practices for Cisco NX-OS-to-ACI migration and Cisco ACI management access.
- Describe the tools and best practices for monitoring ACI fabric.
- Describe best practices for Cisco ACI naming conventions, Day-0 configuration, VMM integration, and Cisco ACI migrations.

Recommended knowledge and training

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

- Understanding of ACI architecture and concepts need to get an ACI fabric into production
- Familiarity with data center infrastructure operations
- Familiarity with management of Cisco data center switches
- Data center operations

The following courses will provide you with the required ACI skills:

- Implementing Cisco Application-Centric Infrastructure (DCACI)
- Implementing and Administering Cisco Solution (CCNA)
- Understanding Cisco Data Center Foundations (DCFNDU)

How to enroll

To enroll in the DCACIO course or explore our larger catalog of courses on Cisco Digital Learning, contact us at [<training@fastlane-mea.com>](mailto:training@fastlane-mea.com)

Outline

- Describing Cisco ACI Day-0 to Day-2 Operations
- Describing Day-2 Operational Tools
- Describing Cisco ACI Configuration Management
- Describing Cisco ACI Monitoring
- Cisco ACI Best Practices

Lab outline

- Safeguard ACI Operation Using Network Assurance Engine
- Configure SNMP and Perform Export/Import Operations
- Monitor Cisco ACI and Configure Syslog
- Explore the Management Information Tree
- Configure SPAN

