

Cisco Application Centric Infrastructure Operations and Troubleshooting (DCACIO)

Description

The **Cisco Application Centric Infrastructure Operations and Troubleshooting (DCACIO)** training 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 a wide range of production deployments, this training gives you the real-world knowledge and skills to boost operational efficiencies in your own deployment.

This training also earns you 24 Continuing Education (CE) credits toward recertification.

How you'll benefit

This training 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
- Earn 24 CE credits toward recertification

Who should enroll

- Network Engineers
- Systems Engineers
- Data Center Engineers
- Consulting Systems Engineers
- Technical Solutions Architects
- Cisco Integrators/Partners

- Field Engineers
- Server Administrators
- Network Managers

Technology areas

- Data Center

Objectives

- 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

Prerequisites

There are no prerequisites for this training. However, the knowledge and skills you are recommended to have before attending this training are:

- 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

These skills can be found in the following Cisco Learning Offerings:

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

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

Links

- [Cisco U. Learning Path](#)
- [Cisco Learning Network Store](#)
- [Cisco Learning Locator](#)