Training overview

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

Thistrainingwill 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 built0in 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