

DCACIO - CISCO APPLICATION CENTRIC INFRASTRUCTURE OPERATIONS AND TROUBLESHOOTING V5.2

Course Code: 100215

The Cisco Application Centric Infrastructure Operations and Troubleshooting (DCACIO) v5.2 course shows you how to operate and troubleshoot Cisco® data center network infrastructure running Cisco ACI

The Cisco Application Centric Infrastructure Operations and Troubleshooting course shows you how to operate and troubleshoot a Cisco data center network infrastructure running Cisco ACI. Through expert instruction and hands-on practice, you will learn about operational tools, best practices and caveats for configuration management, performance tracking, and more. You will practice troubleshooting common issues on a live fabric. Based on lessons learned in over 100 production deployments, this course gives you the real-world knowledge and skills to boost operational efficiencies in your own deployment.

What You'll Learn

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.

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

After taking this course, you should be able to:

- Operationalize and troubleshoot the ACI fabric
- Understand Cisco Application Policy Infrastructure Controller (APIC) and its

- monitoring, management, and troubleshooting capabilities
- Avoid common mistakes and recognize common symptoms

Who Needs to Attend

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

- Data center engineers
- Field engineers
- Network engineers
- Systems engineers

Prerequisites

Each candidate should possess the following prerequisite knowledge and skills to fully benefit from this course:

- Understand ACI architecture and concepts needed to get an ACI fabric into production
- Experience configuring a 3-tier application with Layer2 and Layer3 connectivity and vCenter integration
- Completion of Cisco Implementing Cisco Application-Centric Infrastructure (DCACI) course
- Familiarity with data center infrastructure operations
- Familiarity with management of Cisco data center switches
- Understanding of basic network troubleshooting and basic programming
- Data center operations

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

- Implementing Cisco Application-Centric Infrastructure (DCACI)



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CLASSROOM LIVE

\$4,550 CAD

3 Day

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VIRTUAL CLASSROOM LIVE

\$4,550 CAD

3 Day

Virtual Classroom Live Outline

- Cisco ACI Overview
- Cisco ACI Topology and Hardware
- Cisco ACI Fabric Discovery and Initialization
- Cisco ACI Access Policies
- Cisco ACI Configuration Review
- Creating a Base Configuration
- Cisco ACI Configuration Management
- Installation Checklist
- Cisco Hardware Installation and Fabric Discovery
- Cisco ACI Firmware Upgrades
- Cisco Smart Licensing
- Import / Export
- Configuration Snapshots and Rollbacks
- Configuration Zones
- Cisco ACI Fabric Rebuild or Recovery
- Converting Cisco NX-OS mode to ACI mode
- Cisco APIC Management Access Protocols
- General Recommended Practices from the Technical Assistance Center TAC
- Cisco ACI-OT Monitoring
- Cisco ACI Operation Tools
- Cisco ACI Syslog Configuration
- Viewing Events and Logs
- Troubleshooting Cisco ACI
- Health Scores
- Troubleshooting Cisco APIC

- Faults and Audit Logs in ACI

Virtual Classroom Live Labs

- Connect to Remote Lab Environment
- Create a Tenant
- Configure vCenter Integration
- Configure Layer 2 Physical Domain
- Connect Layer 3 Outside Using Open Shortest Path First (OSPF)
- Configure Syslog
- Configure Simple Network Management Protocol (SNMP)
- Configure ELAM Assistant
- Employ Cisco Network Insights
- Configure Contract Deny Logs and Tenant Atomic Counters
- Use Visore to Explore Tenant
- Troubleshoot Using CLI
- Configure Tenant SPAN
- Troubleshooting Challenge

Jun 16 - 18, 2025 | 8:30 AM - 4:30 PM EDT

Sep 15 - 17, 2025 | 8:30 AM - 4:30 PM EDT

Dec 8 - 10, 2025 | 8:30 AM - 4:30 PM EST

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ON-DEMAND

\$1,300 CAD

On-Demand Outline

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- Cisco ACI Topology and Hardware
- Cisco ACI Fabric Discovery and Initialization
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- Cisco ACI Configuration Review
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- Installation Checklist
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PRIVATE GROUP TRAINING

3 Day

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