

## DCACIO

# Cisco Application Centric Infrastructure Operations and Troubleshooting

24 horas

Data Center &amp; Cloud

Cisco

Cisco Continuing Education Credits

**24 CE Credits**

## INTRODUÇÃO

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.

## OBJETIVO DO CURSO

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.

## PÚBLICO-ALVO

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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 manage

## PRÉ-REQUISITOS

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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).

## CONTEÚDO PROGRAMÁTICO

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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