DCACIO - Cisco Application Centric Infrastructure Operations and Troubleshooting v5.2 Training

Duration: **3 Day**

BİLGİNÇ IT Academy
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Overview

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.

Who Should 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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What You Will 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

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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