Implementing Cisco Application Centric Infrastructure - Advanced (DCACIA)

ID DCACIA **Price** 4,995.— €(excl. tax) **Duration** 5 days

Course Overview

The **Implementing Cisco Application Centric Infrastructure - Advanced (DCACIA)** v1.2 course teaches you how to deploy and manage the Cisco® Nexus® 9000 Series Switches in Cisco Application Centric Infrastructure (Cisco ACI®) mode. You will learn how to configure and manage Cisco Nexus 9000 Series Switches in ACI mode, how to connect the Cisco ACI fabric to external networks and services, and the fundamentals of Virtual Machine Manager (VMM) integration. You will gain hands-on practice implementing key capabilities such as fabric discovery, policies, connectivity, VMM integration, and more. This course earns you 40 Continuing Education (CE) credits towards recertification.

This course helps prepare you for the following exam:

- 300-630 Implementing Cisco Application Centric Infrastructure - Advanced

This course will help you:

- Gain the skills and hands-on practice integrating the enhanced, automated capabilities of Cisco Nexus 9000 Series Switches in ACI mode for quicker application deployment
- Get the knowledge for protocols, solutions and designs to acquire professional-level and expert-level data center job roles
- Earn 40 CE credits toward recertification

What to Expect in the Exam

- The 300-630 DCACIA exam certifies your knowledge of working with Cisco switches in ACI mode including configuration, implementation, and management.
- After you pass 300-630 DCACIA, you earn the Cisco Certified Specialist – ACI Advanced Implementation certification and you satisfy the concentration exam requirement for the CCNP Data Center certification.

Who should attend

This course is designed primarily for network and software engineers who are interested in learning about automation and programmability and hold the following job roles:

- Network Designers
- Network Administrators
- Network Engineers
- Systems Engineers
- Data Center Engineers
- Consulting Systems Engineers
- Technical Solutions Architects
- Cisco Integrators/Partners
- Field Engineers
- Server Administrators
- Network Managers
- Storage Administrators
- Cisco Integrators and Partners

Prerequisites

To fully benefit from this course, you should have the following knowledge and skills:

- Understanding of networking protocols, routing, and switching
- Familiarity with Cisco Ethernet switching products
- Understanding of Cisco data center architecture
- Familiarity with virtualization fundamentals

These are the recommended Cisco learning offerings that may help you meet these prerequisites:

- Implementing and Administering Cisco Solutions (CCNA) v2.2
- Understanding Cisco Data Center Foundations (DCFNDU)

Course Objectives

After completing the course, you should be able to:

- Describe Cisco ACI Fabric Infrastructure and basic Cisco ACI concepts
- Describe Cisco ACI policy model logical constructs
- Describe Cisco ACI basic packet forwarding
- Describe external network connectivity
- Describe VMM Integration
- Describe Layer 4 to Layer 7 integrations
- Explain Cisco ACI management features

Detailed Course Outline

- Section 1: Describing Cisco ACI Advanced Packet Forwarding
- Section 2: Using Advanced Cisco ACI Policy and Tenant Configuration
- Section 3: Implementing Traditional Network in Cisco ACI
- Section 4: Describing Cisco ACI Service Graph PBR
- Section 5: Describing Cisco ACI Multi-Pod Deployment
- Section 6: Describing Cisco ACI MultiSite Deployment

About Fast Lane

Fast Lane

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