

Implementing Cisco Application Centric Infrastructure - Advanced (DCACIA)

Durée 5 jours

Moyens Pédagogiques :

- Réalisation de la formation par un formateur agréé par l'éditeur
- Formation réalisable en présentiel ou en distanciel
- Mise à disposition de labs distants/plateforme de lab pour chacun des participants (si applicable à la formation)
- Distribution de supports de cours officiels en langue anglaise pour chacun des participants
 - Il est nécessaire d'avoir une connaissance de l'anglais technique écrit pour la compréhension des supports de cours

Moyens d'évaluation :

- Quiz pré-formation de vérification des connaissances (si applicable)
- Évaluations formatives pendant la formation, à travers les travaux pratiques réalisés sur les labs à l'issue de chaque module, QCM, mises en situation...
- Complétion par chaque participant d'un questionnaire et/ou questionnaire de positionnement en amont et à l'issue de la formation pour validation de l'acquisition des compétences

A qui s'adresse cette formation

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

Cette formation prépare à la/aux certifications

Cisco Certified Network Professional Data Center (CCNP DATA CENTER)

Pré-requis

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:

- [Mettre en œuvre et administrer les solutions Cisco \(CCNA\)](#)
- [Comprendre les principes de base des centres de données Cisco \(DCFNDU\)](#)

Objectifs

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

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Introducing Cisco ACI Fabric Infrastructure and Basic Concepts

Implementing Cisco Application Centric Infrastructure - Advanced

- What Is Cisco ACI?
- Cisco ACI Topology and Hardware

Describing Cisco ACI Policy Model Logical Constructs

- Cisco ACI Logical Constructs
- Tenant

Describing Cisco ACI Basic Packet Forwarding

- Endpoint Learning
- Basic Bridge Domain Configuration Knob

Introducing External Network Connectivity

- Cisco ACI External Connectivity Options
- External Layer 2 Network Connectivity

Introducing VMM Integration

- VMware vCenter VDS Integration
- Resolution Immediacy in VMM

Describing Layer 4 to Layer 7 Integrations

- Service Appliance Insertion Without ACI L4-L7 Service Graph
- Service Appliance Insertion via ACI L4-L7 Service Graph

Explaining Cisco ACI Management

- Out-of-Band Management
- In-Band Management