

5 Days

CISCO CCNP Cloud

CISCO CCNP Cloud is a lab-focused training program that targets cloud engineers, cloud designers and cloud administrators for delivering best practices of cloud adoption. Cisco is the only company that provides an end-to-end cloud and Inter-Cloud Story, and in the modern era of global networking, cloud computing practices have become an indispensable tool to manage and deploy the data centers. It has become essential for cloud engineers to deploy private, public and hybrid cloud models for healthy transfer of data across a unit of organization.

The CCNP Cloud is a Professional Level certification course that equips professionals to leverage Inter-Cloud Solutions, sets the foundations of designing, provisioning, automating and managing Cloud & Infrastructure-as-a-Service deployments.

The Cisco CCNP Cloud Certification is achieved through the following exams & training:

- Implementing and Troubleshooting the Cisco Cloud Infrastructure (CLDINF)
- Designing the Cisco Cloud (CLDDDES)
- Automating the Cisco Enterprise Cloud (CLDAUT)
- Building the Cisco Cloud with Application Centric Infrastructure (CLDACI)

Course Details

Course Outline

1. Implementing and Troubleshooting the Cisco Cloud Infrastructure (CLDINF)

- Module 1: Overview of Cloud Infrastructure
- Module 2: Storage Component in Cloud Infrastructure
- Module 3: Network Component in Cloud Infrastructure
- Module 4: Cloud Infrastructure Computing Component
- Module 5: Troubleshooting Multiple Components

2. Designing the Cisco Cloud (CLDDDES)

- Translating the business requirements into Cisco Cloud automation designs
- Defining the appropriate Cisco Cloud solution, based on a broad range of products and technologies
- Designing for the self-service user portal
- Designing for the Application and Platform as a service
- Designing for a Private Cloud infrastructure, automation, and security

- Designing for a Hybrid Cloud infrastructure, automation, and security
- Designing for Virtual Network Services for Private and Hybrid Clouds
- Describing the VM Lifecycle management

3. Automating the Cisco Enterprise Cloud (CLDAUT)

- Automating and managing Cisco clouds to support business requirements
- Automating and managing the self-service portal of the user
- Automating and managing the Infrastructure as a Service
- Automating and managing a private cloud infrastructure security
- Automating and managing a hybrid cloud infrastructure security
- Automating and managing for virtual network services for private and hybrid clouds
- Automating and managing the VM life-cycle management

4. Building the Cisco Cloud with Application Centric Infrastructure (CLDACI)

- Implementing Cisco ACI Fundamentals
- Implementing Cisco ACI Enhanced Features
- Cisco ACI Deployment
- Deploying vPC Connections to Hypervisors
- Deploying Cisco AVS and Micro-segmentation
- Deploying Application Access Control Monitor Traffic with Atomic Counters
- Implementing ACI Fabric Connectivity for Virtual Machines
- Integrating Cisco ASA Firewall in ACI Fabric
- Adding Bare Metal Hosts and Implement Inter-Tenant Connectivity
- Configuring Cisco ACI External Cloud Connectivity Automate and Design
- Enabling Connectivity to External Layer 2 Networks
- Enabling Connectivity to External Layer 3 Networks
- Provision ACI Using UCS Director Program
- APIC Using Python and Arya (Optional)

Who Should Attend

This course is ideal for those working with the profiles of:

- Cloud engineers
- Cloud Administrators

- Cloud Designers

Pre Requisite

- CCNA Cloud certification or equivalent knowledge
- Basic knowledge of Cisco Data Center technologies and equipment
- Basic understanding of cloud computing and associated technologies

Exams

300-460 CLDINF Implementing and Troubleshooting the Cisco Cloud Infrastructure (CLDINF) 300-465 CLD []

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