

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 (CLDDES)

- 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)

