

# Building the Cisco Cloud with Application Centric Infrastructure (CLDACI)

Duration 5 Days

## COURSE CONTENT

This course is designed to help students prepare for the CCNP Cloud certification, a professional level certification specializing in Cloud technologies. This course extensively covers the process of implementing public, private, and hybrid cloud based on Cisco ACI. Upon completion of the course, you will be able to:

- Describe Cisco Application Centric Infrastructure (ACI) fundamentals
- Integrate Cisco ACI with VM managers
- Implement application policies
- Configure Layer 4 to Layer 7 services
- Extend Cisco ACI to external Layer 3 and Layer 4 connections
- Configure orchestration and automation tools, protocols and application programming interfaces (APIs)

## COURSE OUTLINE

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

## PREREQUISITES

It is recommended, but not required, that students have basic knowledge of:

- Good understanding of networking protocols
- Recommend CCNP Certification or equivalent knowledge
- Good understanding of the VMware environment
- Recommend attendance of the VMware vSphere: Install, Configure, Manage class or equivalent knowledge

## WHO SHOULD ATTEND

- Channel Partners and Resellers
- Customers
- Employees