

Cisco® Understanding Cisco® Cloud Fundamentals v1.0 (CLDFND)

Course Overview

[View Course Dates & Register Today](#)

This is a 5-day class

Understanding Cisco Cloud Fundamentals (CLDFND) v1.0 is a five-day instructor-led training course that is designed for Cloud Operations Engineers, Cloud Technical Administrators, Cloud Infrastructure Architects, and Cisco Integrators and Partners who provide operation and support of Cisco Cloud Products and Solutions. This course provides students with the necessary knowledge, skills and attitudes (KSA) to perform foundational tasks related to Cloud computing, and help students prepare for the CCNA Cloud certification, an associate level certification specializing in Cloud technologies.

Who Should Attend

The primary audience for this course is as follows:

- Cloud Operations Engineers operation and support of the Cisco Cloud Products and Solutions

The secondary audience for this course is as follows:

- Cloud Technical Administrators implementation operation and support of Cisco Cloud Products and Solutions
- Cloud Infrastructure Architects design infrastructure and operations of Cloud Services using Cisco Cloud Products and Solutions

Course Objectives

Upon completing this course, the learner will be able to meet these overall objectives:

- Describe Cloud Computing principles and basics
- Give better understanding of the data center as a major resource for Cloud services
- Describe the Cisco products and technologies building the data center
- Describe common cloud characteristics
- List cloud service models
- Compare cloud deployment models
- Illustrate key features of UCS
- Define server virtualization
- Describe network architectures for the datacenter
- Describe Cisco ACI
- Describe Infrastructure Virtualization
- Define virtual networking services
- Define Virtual Application Containers
- Analyze storage provisioning concepts
- Describe basic SAN storage concepts
- Define basic NAS storage concepts
- Compare the difference between all the storage access technologies
- Identify the various Cisco storage network devices
- Describe various reference architectures for converged infrastructure

Course Outline



800.683.NHLS (6457)
nhls.com



Cisco® Understanding Cisco® Cloud Fundamentals v1.0 (CLDFND)

1 Introduction to Cloud Computing

- Introducing Cloud Computing Basic Concepts
- Describing Cloud Service Models
- Comparing Cloud Deployment Models
- Exploring the Cisco Intercloud Solution

2 Cloud Networking

- Describing Cisco Data Center Network Architecture
- Exploring Virtual Networking
- Identifying Cisco Nexus 1000V Series Switches
- Define and Analyze Cisco Virtual Networking Service Appliances
- Define and Analyze Software Defined Network Fundamentals
- Describing the Cisco ACI Solution

3 Cloud Storage

- Comparing Storage
- Describing Fibre Channel Storage Networking Concepts
- Exploring NAS Storage Basic Concepts
- Identifying Cisco MDS and UCS Invicta Products

4 Cloud Compute

- Describing Cisco UCS C-Series Product Family
- Identifying Cisco UCS B-Series Product Family
- Explaining Cisco UCS Blade Provisioning
- Defining Server Virtualization

5 Cloud Automation and Reference Architectures

- Exploring Reference Architecture for Converged Infrastructure
- Describing Cloud Automation, Provisioning, and Management Platforms