



CLDFND: Understanding Cisco Cloud Fundamentals

v1.0

Course ID #: 1575-978-ZZ-W

Hours: 35

Course Content

Course Description:

Understanding Cisco Cloud Fundamentals (CLDFND) v1.0 is a 5-day training program that provides you with the necessary knowledge and skills to perform foundational tasks related to cloud computing, and helps prepare you for the CCNA Cloud certification, an associate-level certification specializing in cloud technologies.

Course Objectives:

- Common cloud characteristics
- Cloud service models
- Compare cloud deployment models
- Illustrate key features of UCS
- Server virtualization
- Network architectures for the data center
- Cisco ACI
- Infrastructure virtualization
- Virtual networking services
- Virtual Application Containers
- Analyze storage provisioning concepts
- Basic SAN storage concepts
- Basic NAS storage concepts
- Compare the difference between all the storage access technologies
- Various Cisco storage network devices
- Various reference architectures for converged infrastructure

Prerequisites:

- An understanding of network fundamentals (routing, switching, VLAN)
- An understanding of compute fundamentals (servers, operating systems)
- An understanding of storage fundamentals (basics of FC, FCoE, VSAN)

Target Student:

This course is intended for: Cloud

- Operations engineers
- Cloud technical administrators
- Cloud infrastructure architects



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Deliver Method:

This course is delivered through a mix of instructor-led training (ILT) and hands-on labs.

Topics:

Module 1: Introduction to Cloud Computing

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

Module 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

Module 3: Cloud Storage

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

Module 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

Module 5: Cloud Automation and Reference Architectures

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