CLDFND- Understanding Cisco Cloud Fundamentals

Duration: **On-Demand**

Overview:

This course covers the following foundation knowledge, skills, and technologies: Cloud characteristics, Cloud deployment models such as Cisco cloud infrastructure, Unified fabric, and Unified storage.

Audience:

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

After completing this course, students will be able to:

- Describe common cloud characteristics and service models
- Compare Cloud deployment models
- Explain the function of the data center as a major resources for cloud services
- Illustrate key features of Cisco UCS

Module 1: Introduction to Cloud Computing

Lessons:

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

Module 2: Cloud Networking

Lessons:

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

Module 3: Cloud Storage

Lessons:

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

Module 4: Cloud Compute

Lessons:

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

Module 5: Cloud Automation and Reference Architectures

Lessons:

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

- Define server virtualisation
- Describe network architectures for the data center
- Describe Cisco ACI
- Describe infrastructure virtualisation
- Define virtual networking services
- Define virtual application containers
- Analyse storage provisioning concepts
- Describe basic SAN and NAS storage concepts
- Compare the differences between all the storage access technologies
- Identify the various Cisco storage network devices
- Describe various reference architectures for converged infrastructure