

# **Understanding Cisco Cloud Fundamentals - On Demand (CLDFND 1.2)**

**Modality: Self-Paced Learning**

**Duration: 40 Hours**

**SUBSCRIPTION: Master Plus**

Enhance your understanding of Cisco technologies and products with e-learning offerings from Cisco and Cisco's authorized learning partners. E-learning courses focus on a variety of Cisco technologies to prepare you for Cisco certification exams, and to gain Cisco product knowledge. The e-learning offerings are made to be interactive and engaging for learners who prefer self-study.

Some Cisco Self-paced courses provide access to hands-on virtual lab exercises, giving you the opportunity to practice configuration and troubleshooting on real Cisco platforms.

## **Course Outline:**

### **Introduction to Cloud Computing**

- Introducing Cloud Computing Basic Concepts
- Describing Cloud Service Models
- Comparing Cloud Deployment Models
- Exploring the Cisco Intercloud Solution
- *Hardware Lab: Examine Cisco Intercloud Fabric Director*

### **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

### **Cloud Storage**

- Comparing Storage
- Describing Fibre Channel Storage Networking Concepts
- Exploring NAS Storage Basic Concepts
- Identifying Cisco MDS and UCS Invicta Products
- *Hardware Lab: Validate VSAN and Zoning*
- *Hardware Lab: Validate FLOGI and FCNS*

### **Cloud Compute**

- Describing Cisco UCS C-Series Product Family

- Identifying Cisco UCS B-Series Product Family
- Explaining Cisco UCS Blade Provisioning
- Defining Server Virtualization
- *Hardware Lab: Explore the Cisco UCS Manager GUI*
- *Hardware Lab: Review Cisco UCS B-Series Configuration*
- *Hardware Lab: Deploying VMware ESXi Server on Cisco UCS Blade*
- *Hardware Lab: Connecting ESXi Server to FC LUN on the Cisco UCS Invicta Storage*

## **Cloud Automation and Reference Architectures**

- Exploring Reference Architecture for Converged Infrastructure
- Describing Cloud Automation, Provisioning, and Management Platforms
- *Hardware Lab: Deploying the Cisco Nexus 1000V Switch with VSUM*
- *Hardware Lab: Examine the Cisco Prime Network Services Controller*
- *Hardware Lab: Deploying Cisco Virtual Security Gateway*
- *Hardware Lab: Deploying Cisco ASA 1000V*