

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

**Modality: On Demand**

**Duration: 40 Hours**

**CLC: 15 Units**

## **About the course:**

The Cisco course “Understanding Cisco Cloud Fundamentals – On Demand” is designed to offer fundamental information about Cisco. The course is designed with the help of Cisco’s authorized partners. The carefully designed course focused on various Cisco technologies and its products to help you prepare for the exam.

The Cisco cloud fundamental course includes several hand-on exercises to practice on platforms of Cisco.

## **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*