

CLDINF- Implementing and Troubleshooting the CISCO Cloud Infrastructure

Duration: **On-Demand**

Overview:

Implementing and Troubleshooting the Cisco Cloud Infrastructure (CLDINF) v1.1 is a Professional-level self-study technical course designed to help students prepare for the CCNP Cloud certification, and for professional-level data cloud roles. The course covers the professional-level skills, technologies, and best practices needed to deploy and troubleshoot physical and virtual cloud infrastructure components, including computing infrastructure, cloud storage infrastructure and storage access, and cloud network infrastructure and connectivity. You'll gain hands-on experience implementing various CISCO® cloud and data center infrastructure technologies such as Cisco UCS®, Cisco UCS Director, Cisco MDS switches, Cisco Nexus® switches, Cisco Cloud Services Router, ESXi hosts, VMs, vMotion, virtual extensible LANS (VXLANS) and more.

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

Module 1: Cloud Infrastructure Overview

Lessons:

- Cloud Physical Infrastructure
- Cloud Virtual Infrastructure and Software Components
- Setting up Hypervisor

Module 2: Cloud Infrastructure Computing Component

Lessons:

- Implementing Computing Infrastructure
- Using CISCO UCS as a Cloud Compute Platform
- Troubleshooting Compute Infrastructure

Module 3: Cloud Infrastructure Storage Component

Lessons:

- Implementing Cloud Storage
- Configuring Storage Access on Hosts
- Troubleshooting Cloud Storage Infrastructure

Module 4: Cloud Infrastructure Network Component

Lessons:

- Implementing a Physical Network for the Cloud
- Implementing a Virtual Network for the Cloud
- Configuring Network Access on Hosts
- Troubleshooting Cloud Network Infrastructure

Module 5: Troubleshooting Multiple Components

Lessons:

- Troubleshooting Cloud Infrastructure

Pre-requisites:

To fully benefit from this course, you should first complete the following course or obtain the equivalent level of knowledge:

- CISCO CCNA Cloud Certification or equivalent knowledge
- Basic knowledge of CISCO data center technologies and equipment
- Basic knowledge of cloud computing and associated technologies
- Basic knowledge of VMware data center concepts

Course Completion:

After completing this course, students will be able to:

- Describe the major components of the cloud infrastructure
- Implement and troubleshoot compute components in the cloud
- Implement and troubleshoot storage components in the cloud
- Implement and troubleshoot network components in the cloud
- Troubleshoot cloud environments that consist of multiple components