

Implementing and Troubleshooting the Cisco Cloud Infrastructure (CLDINF)

Duration 5 Days

COURSE CONTENT

The Implementing and Troubleshooting the Cisco Cloud Infrastructure (CLDINF) v1.1 course helps you prepare for the Cisco CCNP Data Center certification and for professional-level cloud operational roles. In this course, you'll learn 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. IT practitioners who have Cisco CCNP Cloud training and certification have validated professional-level, hands-on skills in Cisco technologies and industry best practices needed for in-demand job roles.

Upon completion of this course, you 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

PREREQUISITES

It is recommended, but not required, to have the following skills and knowledge before attending this course:

- 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

WHO SHOULD ATTEND

- Cloud Administrators
- Cloud Operations Engineers
- Support Engineers
- Cloud Design Engineers
- Cloud Infrastructure Architects
- Virtualization Engineers
- Cisco Integrators and Partners

COURSE OUTLINE**Module 1: Cloud Infrastructure Overview**

- Lesson 1: Cloud Physical Infrastructure
- Lesson 2: Cloud Virtual Infrastructure and Software Components
- Lesson 3: Setting Up Hypervisor

Module 2: Cloud Infrastructure Computing Component

- Lesson 1: Implementing Computing Infrastructure
- Lesson 2: Using Cisco UCS as a Cloud Compute Platform
- Lesson 3: Troubleshooting Compute Infrastructure

Module 3: Cloud Infrastructure Storage Component

- Lesson 1: Implementing Cloud Storage
- Lesson 2: Configuring Storage Access on Hosts
- Lesson 3: Troubleshooting Cloud Storage Infrastructure

Module 4: Cloud Infrastructure Network Component

- Lesson 1: Implementing Physical Network for the Cloud
- Lesson 2: Implementing a Virtual Network for the Cloud
- Lesson 3: Configuring Network Access on Hosts
- Lesson 4: Troubleshooting Cloud Network Infrastructure

Module 5: Troubleshooting Multiple Components

- Lesson 1: Troubleshooting Cloud Infrastructure