



UNDERSTANDING CISCO DATA CENTER FOUNDATIONS (DCFNDU) V1.0

The Understanding Cisco Data Center Foundations (DCFNDU) v1.0 course helps you prepare for entry-level data center roles. In this course, you will learn the foundational knowledge and skills you need to configure Cisco® data center technologies including: networking, virtualization, storage area networking, and unified computing. You will get an introduction to Cisco Application Centric Infrastructure (Cisco ACI), automation and cloud computing. You will get hands-on experience with configuring features on Cisco Nexus Operating System (Cisco NX-OS) and Cisco Unified Computing System (Cisco UCS).

How you'll benefit

This class will help you:

- Acquire the advanced skills and techniques to configure a multi-cloud solution to run and maintain container workloads
- Learn automation, orchestration, and workload optimization by leveraging the functionality of Kubernetes in cloud management
- This course also earns you 30 Continuing Education (CE) credits towards recertification.

Why Attend with Current Technologies CLC

- Our Instructors are the top 10% rated by Cisco
- Our Lab has a dedicated 1 Gig Fiber Connection for our Labs
- Our Labs run up to Date Code for all our courses

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Objectives

Upon completing this course, the student will be able to meet these objectives:

- Understand the role of Docker in the CloudCenter Suite
- Configure and troubleshoot workloads on the Kubernetes cluster
- Configure and troubleshoot the Kubernetes cluster in the CloudCenter Suite
- Understand the Cisco CloudCenter Common Framework and the role of the Kubernetes cluster in the CloudCenter Suite

Who Should Attend

The primary audience for this course is as follows:

- IT Administrators
- IT Operations Staff
- Cloud Solution Architects
- DevOps Engineers
- Systems Engineers
- Technical Solutions Architects

Prerequisites

Before enrolling in this course, you should have knowledge in the following areas:

- Data center experience
- Operating systems and virtualization experience
- Understanding of server system design and architecture
- Familiarity with public cloud concepts and basic distributed application design

The following Cisco course may help students meet these prerequisites:

- Understanding Cisco Data Center Foundations (DCFNDU)

Course Duration

5 day

Course Price

\$4,595.00

Methods of Delivery

- Instructor Led
- Virtual ILT

Certification Exam

N/A

Cisco CE Credits

30



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Course Outline

Module 1: Understand the Cisco CloudCenter Common Framework and the Role of the Kubernetes Cluster in the CloudCenter Suite

- Kubernetes Overview

Module 2: Understanding the Role of Docker in the CloudCenter Suite

- Cisco Docker Overview

Module 3: Configure and Troubleshoot the Kubernetes Cluster

- Artifact Repository Overview and Configuration

Module 4: Understanding User Administration and Multitenancy in Cisco CloudCenter Suite

- Cisco CloudCenter Suite User Roles

LAB OUTLINE

- Explore the Kubernetes Administrative Interfaces
- CloudCenter Common Framework Demonstration
- Use Services and Other Applications to Connect to Docker Containers
- Troubleshooting at the Command Line Interface
- Diagnose and Debug Applications at the CLI