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CISCO

DCUCS v3.0 Certification Training

Due to Covid-19 safety restrictions PhoenixTS will temporarily be unable to provide food to our students who attend class at our Training Center; however, our Break Areas are **currently open** where students will find a constant supply of Coffee, Tea and Water. Students may bring their own lunch and snacks to eat in our breakrooms or at their seat in the classroom or eat out at one of the many nearby restaurants.

Course Overview

This course will be going end of life on 2/23/2020 please see DCIUCS and DCCUCS as the replacement courses.

Our 5 day, instructor-led DCUS (Configuring Data Center Unified Computing v.3.0 training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online is designed to familiarize data center engineers, architects and Cisco partners with the Cisco UCS B-series and C-series products. This course prepares individuals for implementing and maintaining Cisco UCS hardware with a strong emphasis on best practices. The Configuring Data Center Unified Computing course also addresses relevant additional features added by Version 2.1 Cisco UCS Software Release. Overall this course is primarily aimed at customer network engineers and administrators.

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

- Describe the Cisco UCS architecture
- Describe Cisco UCS LAN connectivity configuration
- Describe Cisco UCS B-Series SAN connectivity configuration
- Describe how to configure and manage the servers within Cisco UCS
- Describe how to configure Cisco UCS virtualization
- Describe how to configure Cisco UCS administration
- Describe Cisco UCS C-Series features

Schedule

Currently, there are no public classes scheduled. Please contact a Phoenix TS Training Consultant to



discuss hosting a private class at 240-667-7757.

Course Outline

Course Introduction

Module 1: Cisco UCS Architecture

- Lesson 1: Describing Cisco UCS B-Series Blade Server Hardware Components
- Lesson 2: Describing Cisco UCS User Interfaces
- Lesson 3: Configuring Cisco UCS B-Series Physical Connectivity and High Availability
- Lesson 4: Using RBAC and Organizations
- Lesson 5: Module Summary
- Lesson 6: Module Self-Check

Module 2: Cisco UCS LAN Connectivity

- Lesson 1: Configuring Compute Node LAN Connectivity
- Lesson 2: Configuring LAN Identity and Resource Pools
- Lesson 3: Configuring Compute Node LAN Policies
- Lesson 4: Module Summary
- Lesson 5: Module Self-Check

Module 3: Cisco UCS SAN Connectivity

- Lesson 1: Configuring Compute Node SAN Connectivity
- Lesson 2: Configuring Advanced Compute Node SAN Connectivity
- Lesson 3: Configuring SAN Identity and Resource Pools
- Lesson 4: Module Summary
- Lesson 5: Module Self-Check

Module 4: Configuring Cisco UCS B-Series Servers

- Lesson 1: Configuring Server Identity and Resource Pools
- Lesson 2: Configuring Server Policies
- Lesson 3: Configuring Templates and Service Profiles
- Lesson 4: Managing Service Profiles



- Lesson 5: Configuring Logical Service Profiles that Boot from iSCSI
- Lesson 6: Module Summary
- Lesson 7: Module Self-Check

Module 5: Configuring Cisco UCS Virtualization

- Lesson 1: Configuring Cisco UCS VM-FEX
- Lesson 2: Configuring Cisco UCS SR-IOV
- Lesson 3: Configuring Cisco UCS VM-FEX Integration for Microsoft Windows Server 2012 Hyper-V
- Lesson 4: Configuring the Cisco UCS VM-FEX for KVM SR-IOV
- Lesson 5: Module Summary
- Lesson 6: Module Self-Check

Module 6: Cisco UCS Administration

- Lesson 1: Backing Up and Restoring the Cisco UCS Manager Database
- Lesson 2: Managing and Upgrading Cisco UCS B-Series Firmware
- Lesson 3: Using Cisco UCS Management Tools
- Lesson 4: Module Summary
- Lesson 5: Module Self-Check

Module 7: Cisco UCS C-Series Features

- Lesson 1: Describing Cisco UCS C-Series Servers
- Lesson 2: Describing Cisco USC C-Series Server Connectivity Options
- Lesson 3: Using Cisco UCS C-Series IMC Discovery
- Lesson 4: Upgrading Cisco UCS C-Series Firmware
- Lesson 5: Module Summary
- Lesson 6: Module Self-Check

Lab Outline

- Lab 1-1: Initial Cisco UCS Configuration
- Lab 1-2: Explore the Cisco UCS Manager GUI
- Lab 1-3: Configure RBAC
- Lab 2-1: Configure System Related Policies and Uplink Port Properties
- Lab 2-2: Configure LAN Related Pools and Policies
- Lab 3-1: Configure SAN Connectivity
- Lab 3-2: Configure SAN Identity Pools and Templates
- Lab 4-1: Configure Server-Related Features and Renaming a Service Profile



- Lab 4-2: Configure a Service Profile that Boots from iSCSI LUN
- Lab 5-1: Configure VM-FEX Passthrough Switching
- Lab 6-1: Back Up and Import the System Configuration
- Lab 7-1: Configure Server Settings with the Integrated Management Controller GUI

Prerequisites

The knowledge and skills that a learner must have before attending this course are as follows:

- General knowledge of servers
- Routing and switching knowledge
- Storage area networking knowledge
- Server virtualization knowledge

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Starting at **\$4,195**

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[240.667.7757](tel:240.667.7757)

GSA



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