Current Technologies
Computer Learning Centers

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Platinum Learning

Configuring Cisco Unified Computing System (DCCUCS) V1.0

WHERE GREAT TRAINING HAPPENS EVERYDAY!

Configuring Cisco Unified Computing System (DCCUCS) V1.0

Course Duration

3 Days

Course Price

$3,095.00
31 CLCs

Methods of Delivery

In-Person ILT
Virtual ILT
Onsite ILT

About this Class

The Configuring Cisco Unified Computing System (DCCUCS) V1.0 shows you how to deploy, secure, operate, and maintain Cisco Unified Computing System™ (Cisco UCS®) B-series blade servers, Cisco UCS C-Series, and S-Series rack servers for use in data centers. You will learn how to implement management and orchestration software for Cisco UCS. You will gain hands-on practice: configuring key features of Cisco UCS, Cisco UCS Director, and Cisco UCS Manager; implementing UCS management software including Cisco UCS Manager and Cisco Intersight™; and more.

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How you will benefit

This class will help you:

- Gain in-depth experience implementing and maintaining Cisco UCS servers to help you accelerate and provide robust UCS deployments
- Gain knowledge and skills through Cisco's unique combination of lessons and hands-on practice using enterprise-grade Cisco learning technologies, data center equipment, and software

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

Who Should Attend

The job roles best suited to the material in this course are:

- Server Administrators
- Network Engineers
- Systems Engineers
- Consulting Systems Engineers
- Technical Solutions Architects
- Network Administrators
- Storage Administrators
- Network Managers
- Cisco Integrators and Partners

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Objectives

After taking this course, you should be able to:

- Describe and implement SAN on Cisco UCS
- Describe Cisco UCS policies for service profiles
- Describe and implement Role-Based Access Control (RBAC) on Cisco UCS
- Describe and implement external authentication providers on Cisco UCS Manager
- Describe and implement key management on Cisco UCS Manager
- Describe Cisco UCS Director
- Describe and implement Cisco Intersight
- Describe the scripting options for Cisco UCS Manager
- Describe and implement monitoring on Cisco UCS Manager

Prerequisites

To fully benefit from this course, you should have the following knowledge and skills:

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

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Course Outline

Module 1: Implementing Cisco UCS Storage Area Network (SAN)

- SAN Introduction
- Cisco UCS Fabric Interconnect Fibre Channels modes
- Named VSANs
- Cisco UCS Fibre Channel and FCoE Storage Connectivity

Module 2: Describing Cisco UCS Policies for Service Profiles

- Storage Policies and Profiles
- Basic Input Output System (BIOS) Policies
- Boot Policy
- Intelligent Platform Management Interface (IPMI) Policies
- Scrub Policies
- Maintenance Policies

Module 3: Describing Cisco Adapter FEX and Single Root I/O Virtualization

- Cisco FEX Overview
- Cisco Adapter FEX
- Single Root I/O Virtualization

Module 4: Implementing RBAC on Cisco UCS

- RBAC in Cisco UCS
- Users, Roles, and Privileges
- Functions of Organizations and Locales
- Effective Rights of a User

Module 5: Implementing External Authentication Providers

- Options for External Authentication Providers

Module 6: Implementing Key Management on Cisco UCS Manager

- Public Key Infrastructure

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Course Outline

Module 7: Implementing Cisco UCS Director

- Cisco UCS Director Overview
- Policies, Virtual Data Centers, and Catalogs
- Cisco UCS Director Virtualization Support
- Managing Compute with Cisco UCS Director
- Cisco UCS Manager Orchestration
- Self-Service Portal
- Reporting and Monitoring in Cisco UCS Director

Module 8: Implementing Cisco Intersight

- Cisco UCS Director Overview
- Important Features of Cisco Intersight

Module 9: Describing the Scripting Options for Cisco UCS Manager

- Cisco UCS Manager XML API
- Cisco UCS Management Information Tree
- Managed Object Browser
- Cisco UCS PowerTool
- Cisco UCS Python Software Development Kit (SDK)

Module 10: Implementing Key Management on Cisco UCS Manager

- Public Key Infrastructure

Module 11: Implementing Cisco Intersight

- Cisco Intersight Overview
- Important Features of Cisco Intersight

Module 12: Describing the Scripting Options for Cisco UCS Manager

- Cisco UCS Manager XML API
- Cisco UCS Management Information Tree
- Managed Object Browser
- Cisco UCS Manager PowerTool
- Cisco UCS Python SDK

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Course Outline

Module 13: Implementing Monitoring on Cisco UCS Manager

- Logging Sources in Cisco UCS Manager
- Port Monitoring Capabilities of Cisco UCS Manager
- Simple Network Management Protocol (SNMP) Security Ramifications
- Cisco UCS Manager Call Home Feature

Lab Outline

- Lab 1: Configure Pod-Specific Device Aliases
- Lab 2: Configure Zoning
- Lab 3: Configure VSANs in Cisco UCS Manager
- Lab 4: Configure Unified Ports on Cisco UCS Fabric Interconnects
- Lab 5: Install and Boot VMware Elastic Sky X Integrated (ESXi) on Cisco UCS from the FCoE Logical Unit Number (LUN) via FCoE
- Lab 6: Configure RBAC
- Lab 7: Configure Cisco UCS Manager to Authenticate Users via Open Lightweight Directory Access Protocol (OpenLDAP)
- Lab 8: Configure a Trusted Point and Key Ring in Cisco UCS Manager
- Lab 9: Configure Cisco UCS Manager Using Scripting
- Lab 10: Implement Syslog and Call Home