

## Administering Cisco Data Center Unified Computing System with Intersight

**Duration: 4 Days**    **Course Code: N1\_DCUCAI**

### Overview:

DCUCAI, Administering Cisco Data Center Unified Computing System with Intersight is a 3-day instructor-led course. In this Cisco UCS server training course, you will become experienced with the administration and troubleshooting of Cisco Unified Computing System (UCS) B-Series and C-Series servers including using Cisco Intersight for UCS management. This custom-built Cisco UCS training class was developed by NterOne using the best lessons from all available Cisco server courses to maximize the learning experience for individuals who want to focus on day-to-day administration using Cisco UCS Manager or Intersight as the primary interface.

Using real-world scenarios and examples, this Cisco training course will explore all the components of the UCS B-Series and C-Series solutions from a day-to-day administrative point of view. Learn C-Series standalone, C-Series under UCS Manager, B-Series administration, troubleshooting, and management tools used to support basic UCS and multi-cluster support with UCS Central, as well as using Cisco Intersight for UCS and Hyperflex operations and management.

### Target Audience:

The primary audience for this course is as follows:

- Systems administrators and engineers
- Technical solutions architects
- Systems integrators
- Channel partners
- Value-added resellers

### Objectives:

- Upon completing this course, the learner will be able to meet these overall objectives:
- Understand the B-Series and C-Series product line similarities and differences
- Describe the Intersight support for C-Series standalone and UCS managed architectures
- Describe Cisco Intersight and how it can be used to manage UCS and Hyperflex
- Understand the process for upgrading B-Series and C-Series Firmware with UCSM and Intersight
- Administering service profiles, pools, and policies with UCSM and Intersight
- Understanding RBAC with Active Directory integration
- Administering backup and restores in UCS Manager
- Learn and discuss the various management tools for Cisco UCS including Intersight
- Perform basic troubleshooting of B-Series and C-Series in normal operations with UCSM and Intersight
- Describe how to get started with Intersight programmability

### Prerequisites:

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

- Basic knowledge of Cisco routing and switching
- Basic knowledge of Cisco Unified Computing Systems
- Basic knowledge of servers and storage
- Familiarity with Cisco UCS and Hyperflex

## Content:

### Module 1: UCS Infrastructure Components with Intersight

- Cisco UCS Product Line, Use Cases, and Components
- Introducing Cisco Intersight
- Describing Cisco UCS C-Series Servers

### Module 2: Administering Cisco UCS with Intersight

- Managing Virtual Resources
- Configuring Compute Node LAN Connectivity
- Configuring Compute Node SAN Connectivity
- Creating Identity and Resource Pools
- Creating Service Profiles
- Creating Service Profile Templates and Cloning Service Profiles
- Managing Service Profiles
- Troubleshooting Cisco UCS B-Series Configuration
- Troubleshooting Cisco UCS B-Series Operation
- Backing Up ; Restoring the Cisco UCS Manager Database
- Managing and Upgrading Cisco UCS B-Series Firmware

### Module 3: Administering UCS Management Tools with Intersight

- Describing Cisco UCS User Interfaces
- Exploring Intersight User Interfaces
- Describing Cisco UCS Management Framework ; Features
- Describing Cisco UCS Hyperflex
- Getting Started with Intersight Programmability

#### LAB OUTLINE:

- Connecting to the Lab Environment
- Explore the Cisco UCS GUI and CLI Environment
- Explore the Cisco Intersight Dashboard and claim devices
- Create Users, Groups, Roles and Organizations in Intersight
- Provision Identity and Resource Pools in UCSM
- Provision Mobile Service Profiles from Updating Templates
- Backup and Restore Cisco UCS Manager Database Objects
- Configure Logging in Cisco Intersight
- Create LAN and SAN Network Policies in Intersight
- Build a Server Profile and deploy to a UCS blade from Intersight
- Using Intersight to upgrade Firmware
- Install an OS from Intersight
- Using Rest API to Query UCSM Objects in Intersight

## Further Information:

For More information, or to book your course, please call us on Head Office Tel.: +974 40316639

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