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 4-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) X-Series, B-Series, C-Series, next-gen UCS servers including using Cisco Intersight SaaS for UCS management. This custom-built Cisco UCS training class was developed 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 Intersight SaaS as the primary interface to manage UCS Infrastructure.
Using real-world scenarios and examples, this Cisco training course will explore the components of the UCS B-Series Blades, C-Series Rack Mount, and cover next-gen solutions such as C4500 and X-Series. Intersight SaaS provides a day-to-day administrative single interface for managing UCS infrastructure. Learn to access Intersight, claim devices, run UCSM commands from Intersight, Firmware Upgrades, and other functions.

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:

- **After completing this course you should be able to:**

- Understand the B-Series and C-Series product line similarities and differences

- Claiming resources in Intersight

- Managing UCS domains in Intersight

- Describe the Intersight support for C-Series standalone and UCS managed architectures

- Understand the process for upgrading B-Series and C-Series Firmware with Intersight

- Administering service profiles, pools, and policies with Intersight running UCS natively

- 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:

Attendees should meet the following prerequisites:

- 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

Testing and Certification

Recommended as preparation for the following exams:

- There are no exams currently aligned to this course

Content:

UCS Infrastructure Components with Intersight

- Cisco UCS X-Series, Use Cases, and Components
- Introducing Cisco Intersight Managed Mode
- Describing Cisco UCS C-Series Servers
- Describing Next Gen Cisco X-Series Servers
- Gen 4 and future deployments
- Integrating with earlier Generations
- UCS Central use cases with Intersight

Administering Cisco UCS with Intersight

- Managed Mode Resources Pools
- Configuring Compute Node LAN Connectivity
- Configuring Compute Node SAN Connectivity
- Managed Mode Network Policies
- Managed Mode Storage Policies
- Creating Identity and Resource Pools
- Creating Server Profiles
- Creating Server Profile Templates and Deriving Server Profiles
- Managing Server Profiles
- Installing OS onto blades
- Troubleshooting Cisco UCS X/B/C-Series Configuration
- Troubleshooting Cisco UCS X/B/C-Series Operation
- Managing and Upgrading Cisco UCS X/B/C-Series Firmware

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
- Describing Intersight Services for Terraform
- Describing Intersight Orchestrator

Labs

- 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
- IMM Mode Fabric build
- IMM Mode Create Network and Storage Policies
- Create IMM mode Resource Pools
- Create X Series Server Profiles
- Derive X Series Server Profiles
- Using Intersight to upgrade Firmware
- Install an OS from Intersight repository
- Add ESX host to vCenter
- Deploy VMs from Intersight Services for Terraform

Further Information:

For More information, or to book your course, please call us on 00 971 4 446 4987

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