COMPUTER LEARNING CENTRE
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CISCO PARTNER Learning

Training overview

Cisco Intersight Essentials (DCEIS)

Description

The **Cisco Intersight Essentials (DCEIS)** training is Cisco's inaugural training for Cisco Intersight. This training covers Cisco Intersight Infrastructure services to configure and monitor your computing, storage, networking, and cloud assets. If you're seeking to apply intent-based configuration, you'll benefit from lessons on Cisco Intersight Cloud Orchestrator (ICO) and exploring the Cisco Intersight API with tools like HashiCorp Terraform, Ansible, and Python. Each course in the training includes text and graphics, video lectures, video lab walkthroughs, and hands-on labs.

This training also earns you 18 Continuing Education (CE) credits toward recertification.

How you'll benefit

Thistrainingwill help you:

- Configure and monitor computing, storage, networking, and cloud assets using Cisco Intersight Infrastructure services
- Apply intent-based configuration techniques using Cisco Intersight Cloud Orchestrator (ICO)
- Gain an understanding of the Cisco Intersight API by integrating automation tools such as HashiCorp Terraform, Ansible, and Python
- Develop the technical proficiency in protocols, solutions, and designs required to advance into professional and expert-level data center roles
- Earn 18 CE credits toward recertification

Who should enroll

- ServerAdministrators
- Network Engineers
- Systems Engineers
- Consulting Systems Engineers
- Network Administrators
- Storage Administrators
- Network Managers
- Sales Engineers
- Technical Solutions Architects

Technology areas

- DataCenter
- Networking

Objectives

- Describe Cisco UCS hardware, connectivity, and management
- Describe Cisco Intersight characteristics
- Describe Cisco Intersight licensing and its features
- Describe Cisco Intersight server profile deployment
- Describe prerequisites and various options for installing an operating system from Cisco Intersight
- Describe Cisco Intersight Virtual Appliance and how to deploy and configure different deployment modes
- Describe the Cisco UCS X-Series Platform
- Describe Cisco UCS M6 portfolio of products
- Describe firmware management in Intersight for Cisco UCS infrastructure devices
- Describe Cisco UCS Converged Infrastructure
- Describe Cisco Intersight account creation and the most important settings
- Describe Cisco Intersight Managed Mode (IMM)
- Describe Cisco HyperFlex Deployment with Cisco Intersight
- Describe Cisco Intersight IVS features and functionality and describe additional ecosystem services that support virtualization service
- Describe Cisco Intersight IWO, model your environment as a market with buyers and sellers, and discover IWO's monitoring targets, policies, and planning scenarios to set up a configuration plan
- Describe how to use Intersight ICO and Workflow Automation to manage and automate IT operations, create and manage tasks, and design custom workflows using a drag-and-drop interface, resulting in greater efficiency and reduced costs
- Provide a brief description of HashiCorp Terraform
- Describe Cisco Intersight API
- Describe the process of using Cisco Intersight to install vMedia-based operating systems on managed servers in your data center, unattended installations on Cisco UCS C-Series standalone servers, and Cisco Intersight Managed Mode servers
- Describe the usage of the IMM Transition Tool

Prerequisites

Thereareno prerequisites for this training. However, the knowledge and skills you are recommended to have before attending this training are:

- General knowledge of Cisco UCS servers
- Server virtualization knowledge

Outline

- Cisco Unified Computing System Fundamentals
- Cisco Intersight Characteristics
- Cisco Intersight Server Profile Deployment
- Cisco Intersight Server Operating System Installation

- Cisco Intersight Virtual Appliance
- Cisco Unified Computing System X-Series
- Cisco Unified Computing System B- and C-Series Servers
- Cisco Intersight Platform Firmware Operation
- Cisco Unified Computing System Converged Infrastructure
- Accessing Cisco Intersight
- Cisco Intersight Managed Mode
- Cisco Intersight Virtual Services
- Cisco Intersight Cloud Orchestration
- Terraform Provider Registry
- Cisco Intersight API
- Deploying VMware ESXi to a Blade Using Cisco Intersight
- Cisco IMM Transition Tool

Lab Outline

- Navigate the Cisco Intersight User Interface
- Configure Organizations and Roles
- Configure Server Features
- Create Pools and Policies
- Create Server Profile
- Create Server Profiles from Server Profile Template
- Configure Cisco ICO
- Configure Terraform Provider Registry
- Configure Cisco Intersight API with Python
- Configure Cisco Intersight API with Ansible