

Current Technologies

Computer Learning Centers



Cisco Intersight Essentials v1.0 (DCEIS)

***WHERE GREAT TRAINING
HAPPENS EVERYDAY!***



Cisco Intersight Essentials v1.0 (DCEIS)

Course Duration

3 Days

Course Price

\$2,795.00
28 CLCs

Methods of Delivery

In-Person ILT
Virtual ILT
Onsite ILT

About this Class

The Cisco Intersight Essentials training teaches you various aspects of Cisco Unified Computing System (UCS), including hardware, connectivity, and management. You will learn Cisco Intersight characteristics, licensing, and features, along with insights into server profile deployment and prerequisites for installing operating systems from Cisco Intersight. This training prepares you for configuring, managing, and monitoring your network, computing, and storage assets. You will gain experience using features, such as Cisco Intersight Workload Optimizer (IWO), Cisco Intersight Cloud Orchestrator (ICO), and Cisco Intersight Virtualization Services (IVS). Also, you will become familiar with the Cisco Intersight Application Programming Interface (API) by using HashiCorp Terraform to automate Cisco Intersight configuration. This training also earns you 11 Continuing Education (CE) credits toward recertification.

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How you will benefit

This class will help you:

- Gain the needed skills to utilize Cisco Intersight
- Learn how to centralize configuration, management, and monitoring of the network, computing, storage, and cloud assets under a single pane of glass
- Boost knowledge for protocols, solutions, and designs to acquire professional-level and expert-level data center roles
- Earn 11 CE credits toward recertification

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
- Network Administrators
- Storage Administrators
- Network Managers
- Sales Engineers
- Technical Solutions Architects

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Objectives

After taking this course, you should be able to:

- 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

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Course Outline

Module 1: Cisco Unified Computing System Fundamentals

Module 2: Cisco Intersight Characteristics

Module 3: Cisco Intersight Licensing Options

Module 4: Cisco Intersight Server Profile Deployment

Module 5: Cisco Intersight Server Operating System Installation

Module 6: Cisco Intersight Virtual Appliance

Module 7: Cisco Unified Computing System X-Series

Module 8: Cisco Unified Computing System B- and C-Series Servers

Module 9: Cisco Intersight Platform Firmware Operation

Module 10: Cisco Unified Computing System Converged Infrastructure

Module 11: Accessing Cisco Intersight

Module 12: Cisco Intersight Managed Mode

Module 13: Cisco HyperFlex Deployment with Cisco Intersight

Module 14: Cisco Intersight Virtual Services

Module 15: Cisco Intersight Workload Optimizer

Module 16: Cisco Intersight Cloud Orchestration

Module 17: Terraform Provider Registry

Module 18: Cisco Intersight API

Module 19: Deploying VMware ESXi to a Blade Using Cisco Intersight

Module 20: Cisco IMM Transition Tool

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Lab Outline

- **Lab 1:** Navigate the Cisco Intersight User Interface
- **Lab 2:** Configure Organizations and Roles
- **Lab 3:** Configure Server Features
- **Lab 4:** Create Pools and Policies
- **Lab 5:** Create Server Profile
- **Lab 6:** Create Server Profiles from Server Profile Template
- **Lab 7:** Configure Cisco ICO
- **Lab 8:** Configure Terraform Provider Registry
- **Lab 9:** Configure Cisco Intersight API with Python
- **Lab 10:** Configure Cisco Intersight API with Ansible