

UCS X-Series Intersight, Deployment, Operations, Troubleshooting (UCSXDOT)

Price: 4995

Duration: 5 days

Delivery Methods: Virtual

Overview

This five-day Cisco UCS X-Series with Intersight Deployment course enables participants to deploy, troubleshoot and operate a UCS X-Series production installation.

Deploy: covers deployment of the X9508 chassis, X210c/X410c compute nodes, 6400/6500 Series Fabric Interconnects and other hardware options. Participants learn how to prepare the UCS X-Series hardware components for discovery by Intersight Managed Mode (IMM). Participants gain practical experience through hands-on labs.

Troubleshoot: enables participants to effectively troubleshoot common issues with Fabric Interconnect configurations, vNIC/vHBA configuration issues, firmware update issues and profile/policy/pool configuration issues. Information is also provided on CLI/Intersight troubleshooting options and common troubleshooting methodologies. Participants gain practical experience through hands-on labs.

Operate: participants will be provided with the information and tools to manage and support UCS X-Series in a production environment. The students will be using the most up-to-date tools in Cisco's Intersight Dashboard for day-to-day operations. This will include the new Telemetry Dashboard and the new Monitoring tool. Participants gain practical experience through hands-on labs.

Audience Profile

Cisco customers, internal and Partner SEs/FEs looking to deploy the UCS X9508 chassis, X210c/X410c compute nodes, and 6400/6500 Series Fabric Interconnects.

At Course Completion

Articulate the solution level architecture of the UCS X-Series solution, and the role of IMM/Intersight and the key differentiators of the UCS X-Series solution from previous UCS architecture.

Identify the function of each hardware component in the UCS X-Series solution and the communication and traffic flow between components.

Enumerate the key requirements to successfully deploy a UCS X-Series solution with Intersight.

Identify the key features of Cisco Intersight to manage a UCS X-Series deployment.

Understand Troubleshooting Guidelines and able to successfully troubleshoot:

Fabric Interconnect issues

IOM issues

Frame and CRC issues

SAN connectivity issues

Successfully operate a UCS X-Series production installation.

Outline

DAY 1

Section 1: Cisco UCS X-Series Hardware Components & Traffic Flow

Cisco UCS X9508 System Chassis

Fabric Components

Compute Options (Needs Updated)

Storage Options

Networking & Data Flow

Power/Cooling Efficiency

Section 2: Cisco UCS X-Series Installation Considerations

Managing Cisco UCS 2.0 with Cisco Intersight

Deployment Model Options

Section 3: Cisco UCS Migration and Monitoring Options

Prerequisites

Installing Cisco Intersight IMM Transition Tool

Accessing Cisco Intersight IMM Transition Tool

Initiate Migration

Verification

DAY 2

Section 4: Cisco UCS X-Series Management Through Intersight

IMM Overview

Intersight Licensing

Dashboard Navigation

Domain Claiming

DAY 3

Section 5: General Guidelines for Troubleshooting

Faults

Audit Log

Requests Tab

Syslog

Technical Support Files

Section 6: Troubleshooting Fabric Interconnect Issues

Recovering a Fabric Interconnect from the Boot Loader Prompt

Resolving Fabric Interconnect Cluster ID Mismatch

Section 7: Troubleshooting Firmware Issues

Recovering Fabric Interconnect During Upgrade

Recovering IO Modules During Firmware Upgrade

DAY 4

Section 8: Troubleshooting IOM Issues

IOM Terminology

Chassis Boot Sequence

Link Pinning and Failover Behavior

Section 9: Troubleshooting Frame and CRC Issues

Background Information

Reasons for Bad Frames and CRC Errors

Forwarding Mode Behavior (Cut-Through or Store-and-Forward)

Main Forwarding ASICs Commands for UCS FIs, IOMs and VIC Cards

Section 10: Troubleshooting Pool/Policy/Profile Issues

Diagnosing Common Pool/Policy/Profile Issues

DAY 5

Section 11: Day 2 Operations

Topology Views

Monitoring and Metrics Explorer

Prerequisites

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

Basic to intermediate understanding of UCS

Course Schedule

Date	Time	Price	Options
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