

Designing Cisco Data Center Unified Computing (Part of the CCNP Data Center certification track)



Course Outline

Module 1: Cisco Data Center Solution Architecture and Components

- Lesson 1: Identifying Data Center Solutions
- Lesson 2: Identifying Data Center Applications
- Lesson 3: Identifying Cloud Computing
- Lesson 4: Identifying Cisco Data Center Architecture and Components

Module 2: Assess Data Center Computing Requirements

- Lesson 1: Defining a Cisco Unified Computing System Solution Design
- Lesson 2: Analyzing Computing Solutions Characteristics
- Lesson 3: Employing Data Center Analysis Tools

Module 3: Size Cisco Unified Computing Solutions

- Lesson 1: Sizing the Cisco UCS C-Series Server Solution
- Lesson 2: Sizing the Cisco UCS B-Series Server Solution
- Lesson 3: Planning Unified Computing Deployment

Module 4: Design Cisco Unified Computing Solutions

- Lesson 1: Designing the Unified Computing Network
- Lesson 2: Designing Unified Computing Storage
- Lesson 3: Designing the Virtual Access Layer

Module 5: Design Cisco Unified Computing Solutions Server Deployment

- Lesson 1: Designing Cisco UCS Server Deployment
- Lesson 2: Designing Unified Computing Management

Module 6: Cisco Unified Computing Solution Applications

Lesson 1: Designing Cisco Unified Communications on Cisco UCS

Lesson 2: Designing Distributed Computing on Cisco UCS

Lab Outline

Lab 2-1: Analyze the Existing Computing Solution

Lab 3-1: Size the Cisco UCS C-Series Solution

Lab 3-2: Size the Cisco UCS B-Series Solution

Lab 3-3: Plan the Physical Deployment

Lab 4-1: Design Microsoft Hyper-V R2 Deployment on Cisco UCS

Lab 4-2: Design VMware vSphere Deployment and Integration with Cisco UCS

Lab 5-1: Design VMware vSphere Deployment on Cisco UCS and Cisco Nexus 1000V