

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



Course Outline

Module 1: Cisco Data Center Solutions

- Lesson 1: Defining the Data Center
- Lesson 2: Identifying the Cisco Data Center Solution
- Lesson 3: Designing the Cisco Data Center Solution

Module 2: Data Center Technologies

- Lesson 1: Designing Layer 2 and Layer 3 Switching
- Lesson 2: Virtualizing Data Center Components
- Lesson 3: Designing Layer 2 Multipathing Technologies

Module 3: Data Center Topologies

- Lesson 1: Designing the Data Center Core Layer Network
- Lesson 2: Designing the Data Center Aggregation Layer
- Lesson 3: Designing the Data Center Access Layer
- Lesson 4: Designing the Data Center Virtualized Access Layer
- Lesson 5: Designing High Availability
- Lesson 6: Designing Data Center Interconnects

Module 4: Data Center Storage

- Lesson 1: Introducing SAN
- Lesson 2: Designing SAN
- Lesson 3: Designing Unified Fabric
- Lesson 4: Designing SAN Services

Module 5: Data Center Security

Lesson 1: Designing Data Center Application Security

Lesson 2: Designing Link Security Technologies and Device Hardening

Lesson 3: Designing Storage Security

Module 6: Data Center Application Services

Lesson 1: Designing Data Center Application Architecture

Lesson 2: Designing Application Services

Lesson 3: Designing Global Load Balancing

Module 7: Data Center Management

Lesson 1: Designing Data Center Management Solutions

Lab Outline

Lab 1-2: Become Familiar with the Lab Equipment

Lab 3-1: Explore VDCs

Lab 3-2: Examine vPC

Lab 3-3: Explore Cisco FabricPath

Lab 3-4: Connect FEXs

Lab 3-5: Interconnect Data Centers with Cisco OTV