

Implementing Cisco Data Center Infrastructure - On Demand (DCII v6.2)

Modality: Self-Paced Learning

Duration: 40 Hours

SATV Value:

CLC:

NATU:

SUBSCRIPTION: No

Enhance your understanding of Cisco technologies and products with e-learning offerings from Cisco and Cisco's authorized learning partners. E-learning courses focus on a variety of Cisco technologies to prepare you for Cisco certification exams, and to gain Cisco product knowledge. The e-learning offerings are made to be interactive and engaging for learners who prefer self-study.

Some Cisco Self-paced courses provide access to hands-on virtual lab exercises, giving you the opportunity to practice configuration and troubleshooting on real Cisco platforms.

Course Outline:

Module 1: Data Center Protocols

- Configuring Spanning Tree Protocol
- Configuring Port Channels
- Configuring Fabric Extenders
- Implementing Cisco FabricPath
- Understanding Cisco Overlay Transport Virtualization
- Implementing VXLAN
- Implementing LISP

Module 2: Layer 3 Switching Features in the Data Center

- Configuring First-Hop Redundancy
- Configuring Routing
- Configuring IP Multicast

Module 3: Data Center Infrastructure Security

- Configuring User Management
- Configuring System Security Features

Module 4: Data Center Infrastructure Storage Fabric

- Basic Fibre Channel Configuration

- Managing Domains
- Implementing Port Security and Fabric Binding

Module 5: FCoE Unified Fabric

- Describing FCoE
- Implementing FCoE

Module 6: Data Center Infrastructure Storage Services

- Configuring Distributed Device Aliases
- Implementing Zoning
- Configuring NPIV and NPV
- Configuring Fibre Channel Over IP

Module 7: Data Center Infrastructure Maintenance, Management, and Operations

- Configuring System Management
- Configuring Infrastructure Monitoring

Labs

- Lab 1: Configure Layer 2 Switching
- Lab 2: Configure Port Channels
- Lab 3: Configure FEX
- Lab 4: Configure Cisco FabricPath
- Lab 5: Configure OTV
- Lab 6: Configure VXLAN
- Lab 7: Configure VRRP
- Lab 8: Configure OSPF
- Lab 9: Configure User Management Security Features
- Lab 10: Configure System Security Features
- Lab 11: Configure Fibre Channel
- Lab 12: Manage Domains and Configure Persistent FCIDs
- Lab 13: Configure Fabric Binding and Port Security
- Lab 14: Configure FCoE
- Lab 15: Configure Device Aliases
- Lab 16: Configure Zoning
- Lab 17: Configure NPV
- Lab 18: Configure System Management
- Lab 19: Implement Infrastructure Monitoring