

DCII (IMPLEMENTING CISCO DATA CENTER INFRASTRUCTURE)

Objetivo

Upon completion of this course, you will be able to: Configure RSTP, MST, and port channels and implement Cisco FabricPath, OTV, VXLAN, and LISP Configure first-hop redundancy, routing, and multicast in the data center Configure user management and implement system security features on Nexus switches Perform basic Fibre Channel configuration, manage Fibre Channel domains, and implement Fibre Channel port security and binding Configure FCoE Configure distributed device aliases, zoning, NPV, and FCIP Configure system management and infrastructure monitoring

Público Alvo

Professional or career level: Senior Network Engineer, Pre sales Engineer, Design Engineer, Data Center Administrator, Senior Systems Engineer, Senior Technical Solutions Architect

Pré-Requisitos

Students considered for this training should have attended the following classes or obtained an equivalent level of knowledge: Introducing Cisco Data Center Networking (DCICN) v6.1 Introducing Cisco Data Center Technologies (DCICT) v6.1 Interconnecting Cisco Networking Devices: Accelerated (CCNAX) or Interconnecting Cisco Networking Devices, Part 1 (ICND1) and Interconnecting Cisco Networking Devices, Part 2 (ICND2)

Carga Horária

40 horas (5 dias).

Conteúdo Programático

Module 1: Data Center Protocols

Lesson 1-1: Configuring Spanning Tree Protocol

Lesson 1-2: Configuring Port Channels

Lesson 1-3: Configuring Fabric Extenders

Lesson 1-4: Implementing Cisco FabricPath

Lesson 1-5: Understanding Overlay Transport Virtualization

Lesson 1-6: Implementing VXLAN

Lesson 1-7: Implementing LISP

Module 2: Layer 3 Switching Features in the Data Center

Lesson 2-1: Configuring First-Hop Redundancy

Lesson 2-2: Configuring Routing

Lesson 2-3: Configuring IP Multicast

Module 3: Data Center Infrastructure Security

Lesson 3-1: Configuring User Management

Lesson 3-2: Configuring System Security Features

Module 4: Data Center Infrastructure Storage Fabric

Lesson 4-1: Basic Fibre Channel Configuration

Lesson 4-2: Managing Domains

Lesson 4-3: Implementing Port Security and Fabric Binding

Module 5: FCoE Unified Fabric

Lesson 5-1: Describing FCoE

Lesson 5-2: Implementing FCoE

Module 6: Data Center Infrastructure Storage Services

Lesson 6-1: Configuring Distributed Device Aliases

Lesson 6-2: Implementing Zoning

Lesson 6-3: Configuring NPIV and NPV

Lesson 6-4: Configuring Fibre Channel Over IP

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

Lesson 7-1: Configuring System Management

Lesson 7-2: Configuring Infrastructure Monitoring

Lab Details:

Guided Lab 1: Configure Layer 2 Switching

Guided Lab 2: Configure Port Channels

Guided Lab 3: Configure FEX

Guided Lab 4: Configure Cisco FabricPath

Guided Lab 5: Configure OTV

Guided Lab 6: Configure VXLAN

Guided Lab 7: Configure VRRP

Guided Lab 8: Configure OSPF

Guided Lab 9: Configure User Management Security Features

Guided Lab 10: Configure System Security Features

Guided Lab 11: Configure Fibre Channel

Guided Lab 12: Manage Domains and Configure Persistent FCIDs

Guided Lab 13: Configure Fabric Binding and Port Security

Guided Lab 14: Configure FCoE

Guided Lab 15: Configure Device Aliases

Guided Lab 16: Configure Zoning

Guided Lab 17: Configure NPV

Guided Lab 18: Configure System Management

Guided Lab 19: Implement Infrastructure Monitoring