Implementing Cisco Data Center Infrastructure v6.0 (DCII)

- **Formato do curso:** Presencial
- **Localidade:** Lisboa
- **Data:** 11 Nov. 2019 a 15 Nov. 2019
- **Preço:** 2720€
- **Horário:** Laboral - das 09h00 às 17h00
- **Duração:** 35 horas

This skills-building course focuses on the implementation of LAN and SAN switching technologies, device management and monitoring using Cisco MDS switches, Cisco Nexus switches and Cisco Nexus 2000 Series Fabric Extenders (FEXs). This rich, hands-on experience of implementing a Cisco data center infrastructure helps students prepare for professional level data center roles and the achievement of the Cisco CCNP Data Center Certification.

Destinatários

Engineers who install and implement the Cisco Nexus 7000 and 5000 Series switches and the Cisco Nexus 2000 Series fabric extenders. Individuals looking to achieve the Cisco CCNP Data Center Certification

Pré-requisitos

Attendees should meet the following prerequisites:

- Have attended or have equivalent knowledge to **DCICN, DCICT** and **ICND1, ICND2** or **CCNABC (CCNAX**)

Objectivos

- 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

Programa

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

Layer 3 Switching Features in the Data Center

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

Data Center Infrastructure Security

- Configuring User Management
- Configuring System Security Features

Data Center Infrastructure Storage Fabric

- Basic Fibre Channel Configuration
- Managing Domains
- Implementing Port Security and Fabric Binding

FCoE Unified Fabric

- Describing FCoE
- Implementing FCoE

Data Center Infrastructure Storage Services

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

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