

# DCICT (INTRODUCING CISCO DATA CENTER TECHNOLOGIES) 1.0

## Objetivo

Neste curso, será repassado ao aluno o conhecimento fundamental e uma visão ampla dos produtos Cisco Data Center e do seu funcionamento. O curso abrange a arquitetura, componentes, conectividade e recursos de uma rede Cisco Data Center. Será abordada através de uma experiência prática, a configuração inicial do switch Cisco Nexus 7009, switch Cisco Nexus 5548UP, o Cisco Unified Computing System (UCS) 6120XP, e Cisco MDS 9124 Multilayer Fabric Switch. Dentre as tecnologias abordadas destacamos: Overlay Transport Virtualization (OTV), Cisco Fabric Path, Porto Channel , Virtual Port Channel (VPC) e Cisco Nexus 1000V Distributed Virtual Switch para VMwareESXi. Destacamos os principais pontos abordados no curso: Fundamentos de Data Center Cisco Data Center Virtualization Cisco Data Center Storage Networking Cisco Data Center UnifiedFabric Cisco Unified Computing System (UCS)

## Público Alvo

Projetistas de rede, administradores, engenheiros e gerentes Administradores de armazenamento (SAN Network) Os administradores de servidor Profissionais interessados em obter a certificação CCNA Data Center

## Pré-Requisitos

Ter participado no curso DCICN (Introducing Cisco Data Centers Networking v1.0) ou possuir conhecimentos equivalentes

## Carga Horária

40 horas (5 dias).

## Conteúdo Programático

Cisco Data Center Network Services  
Functional Layers of the Data Center  
Cisco Nexus Product Family  
Cisco MDS Product Family  
Monitoring the Cisco Nexus 7000 and 5000 Series Switches  
Virtual Port Channels (vPCs) and Cisco FabricPath in the Data Center  
Using OTV on Cisco Nexus 7000 Series Switches

Cisco Data Center Virtualization  
Virtualizing Network Devices

Virtualizing Storage  
Virtualizing Server Solutions  
Using the Cisco Nexus 1000V Series Switch  
Verifying Setup and Operation of the Cisco Nexus 1000V Series Switch

Cisco Data Center Storage Networking  
Comparing Storage Connectivity Options in the Data Center  
Fibre Channel Storage Networking  
Verifying Fibre Channel Communications on Cisco MDS 9000 Series Multilayer Switches

Cisco Data Center Unified Fabric  
Data Center Bridging (DCB)  
Connectivity Options for Fibre Channel over Ethernet (FCoE) on the Cisco Nexus 5000 Series Switch  
Enhanced FCoE Scalability with Cisco Nexus 2232 10GE Fabric Extenders

Cisco UCS  
Cisco UCS B-Series Product Family  
Cisco UCS C-Series Product Family  
Connecting Cisco UCS B-Series Blade Servers  
Setting Up an Initial Cisco UCS B-Series Cluster  
Cisco UCS Manager Operations  
Cisco UCS Manager Pools, Policies, Templates, and Service Profiles

Labs  
Lab 1: Connect to a Cisco Nexus 7000 Series Switch Using Secure Shell (SSH)  
Lab 2: Connect to a Cisco Nexus 5000 Series Switch Using SSH  
Lab 3: Run Command Line Interface (CLI) Commands  
Lab 4: Configure vPCs  
Lab 5: Validate Cisco FabricPath Configuration  
Lab 6: Validate Overlay Transport Virtualization (OTV) Configuration  
Lab 7: Verify Current Virtual Device Context (VDC) Settings  
Lab 8: Validate a Cisco Nexus 2000 Series Fabric Extender Configuration  
Lab 9: Validate a Cisco Nexus 1000V Series Switch Configuration  
Lab 10: Validate a Cisco MDS 9100 Series Multilayer Fabric Switch License  
Lab 11: Configure VSANs and Zoning  
Lab 12: Validate FLOGI and FCNS  
Lab 13: View the Tech-Support Command Output  
Lab 14: Validate the Physical Connections for FCoE  
Lab 15: Explore the Cisco UCS Manager Graphical User Interface (GUI)  
Lab 16: Create a Service Profile from a Template and Performing VMware ESXi 5.0 SAN Boot