

Designing the Cisco Cloud (CLDDES)

- **Formato do curso:** Presencial
- **Localidade:** Porto
- **Com certificação:** CCNP Cloud
- **Data:** 14 Out. 2019 a 18 Out. 2019
- **Preço:** 2720€
- **Horário:** Laboral - das 09h00 às 17h00
- **Nível:** Avançado
- **Duração:** 35 horas

Designing the Cisco Cloud (CLDDES) is a new 5-day ILT course designed to help students prepare for the CCNP Cloud certification, a professional level certification specializing in Cloud technologies. This course is designed to provide students with the necessary knowledge and hands-on skills to design cloud deployments using the Cisco Cloud portfolio.

Este curso prepara-o para o exame: 300-505 CLDDES

Pré-requisitos

- Understanding Cisco Cloud Fundamentals (CLDFND)
- Introducing Cisco Cloud Administration (CLDADM)

Objectivos

Upon course completion, you will be able to:

- Translate the business requirements into Cisco Cloud automation designs
- Define the appropriate Cisco Cloud solution, based on a broad range of products and technologies
- Design for the self-service user portal
- Design for the Application and Platform as a service
- Design for a Private Cloud infrastructure, automation, and security
- Design for a Hybrid Cloud infrastructure, automation, and security
- Design for Virtual Network Services for Private and Hybrid Clouds
- Describe the VM Lifecycle management

Programa

Module 1: Translate Requirements into Automation Designs

- Cloud overview
 - Computing
 - Characteristics
 - Models
 - Deployment models
 - Benefits
 - Adoption
- Key business requirements for cloud
- Automation
 - Cloud APIs
 - IaaS
 - PaaS
 - SaaS
 - Design
- Cisco cloud portfolios overview
 - ONE Enterprise cloud suite
 - PSC
 - UCS director
 - Virtual application cloud segmentation (VACS)
 - Intercloud fabric
 - PNSC
- Automation tasks
- PSC stack designer with PaaS

Module 2: Design a Private Cloud Infrastructure

- Pod designs
 - vBlock
 - FlexPod
 - VSPEX
 - Scalability
 - UCS director
- Cloud design storage considerations
- Storage connectivity types
- Thin vs. thick provisioning
- Storage provisioning methods
- Cloud network service automation tools
 - APIC (ACI)
 - Nexus data broker
 - Metapod

Module 3: Design a Hybrid Cloud Infrastructure

- Public cloud architectures
 - Amazon Web Services
 - Microsoft Azure
 - IBM SoftLayer
 - Cisco Intercloud Ecosystem
- Cisco Intercloud Fabric director
- Cisco Prime Service catalog
- Site-to-site and remote access VPN
- MPLS technology

Module 4: Secure the Cloud Infrastructure

- Administrative access
- RBAC
- Centralized authentication
- Secure multitenant capabilities
- Infrastructure security components

Module 5: Virtualization and Virtual Network Services for Private and Hybrid Clouds

- Hypervisor ecosystem
 - VM-mobility
 - Disaster recovery
 - High availability vs. fault tolerance
 - Memory ballooning
- Workload dependencies
- VM migration
- VM format conversion
- VM lifecycle management

Labs:

- Creating a UCS Director Workflow for Baremetal Provisioning
- Design and Create Cisco UCS Director Catalog Entries for Discovered VM Templates
- Design Prime Service Catalog Storefront for UCS Director
- Creating an Application Template in the Cisco Stack Designer
- Provision VACS Container
- Choosing a Hybrid Cloud Solution
- RBAC and LDAP Integration in Cisco UCS Director
- Plan for ICF Cloud Requirements and Deployment
- Design Hybrid Cloud Connectivity and Security
- Design for VM Lifecycle and Cisco ICFD Integration in the Hybrid Cloud