

IMPLEMENTING CISCO DATA CENTER INFRASTRUCTURE (DCII v6.1)

Temario

Designing Cisco Data Center Unified Computing Infrastructure (DCIDUC) v6.1 is a two-day instructor-led course that focuses on data center design based on Cisco unified computing solutions. The course includes theoretical content, as well as design-oriented case studies and exercises. The course is designed to help students prepare for Cisco Channel Partner Data Center Program requirements and for professional-level data center roles. The course includes information on designing data centers with Cisco components and technologies, including infrastructure design, compute connectivity design, and compute resource parameters design.

Pre-requisitos

It is recommended that a learner has the following knowledge and skills before attending this course:

- data center networking concepts
- data center storage concepts
- data center virtualization
- Cisco Unified Computing System t
- data center automation and orchestration with the focus on Cisco ACI and UCS Director
- Identify products in the Cisco Data Center Nexus and MDS families
- Describe network fundamentals and build simple LANs, including switching and routing

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- Channel Partners
- Customers
- Employees
- Entry-level to experienced Network Administrator
- Senior Network Engineer
- Presales Engineer
- Design Engineer
- Data Center Administrator
- Senior Systems Engineer
- Senior Technical Solutions Architect

Objetivos del curso

Upon completing this course, you will be able to describe and use design-oriented knowledge for unified computing topics, including:

- Hardware and device virtualization
- FEX options
- Virtual networking and appliances
- Management and orchestration
- Cisco UCS C-Series and B-Series servers and use cases
- Fabric interconnect connectivity
- Hyperconverged and integrated system
- Management systems, including Cisco UCS, VMware vCenter, and Cisco CloudCenter
- Hadoop, SAP HANA, and IoT on Cisco UCS
- Systemwide parameters
- RBAC
- Pools and policies for service profiles
- Network-specific adapters and policies
- Templates in Cisco UCS Manager

Contenido

- Module 1: Data Center Protocols
- Module 2: Layer 3 Switching Features in the Data Center
- Module 3: Data Center Infrastructure Security
- Module 4: Data Center Infrastructure Storage Fabric
- Module 5: FCoE Unified Fabric
- Module 6: Data Center Infrastructure Storage Services
- Module 7: Data Center Infrastructure Maintenance, Management, and Operations