

640-916 DCICT - Exam Topics

640-916 DCICT Exam Topics

Exam Description

The 640-916 (DCICT) Introducing Cisco Data Center Technologies exam validates a candidate's knowledge of fundamental data center technologies such as network and server virtualization, storage, convergent I/O, and network services such as load balancing. Candidates can prepare for this exam by taking the Introducing Cisco Data Center Technologies (DCICT) course.

Exam Topics

The following topics are general guidelines for the content likely to be included on the Introducing Cisco Data Center Technologies exam. However, other related topics may also appear on any specific delivery of the exam. In order to better reflect the contents of the exam and for clarity purposes, the guidelines below may change at any time without notice.

640-916 (DCICT) *Introducing Cisco Data Center Technologies* Exam Topics

1.0	Cisco data center fundamental concepts
	Describe network architectures for the data center (LAN, SAN)
	Describe the modular approach in network design
	Describe the data center core layer
	Describe the data center aggregation layer
	Describe the data center access layer
	Describe the collapse core model
	Describe Cisco FabricPath

	Identify key differentiator between DCI and network interconnectivity
	Describe, configure, and verify vPC
	Describe the functionality of and configure port channels
	Describe and configure VDC
	Describe the edge and core layers of the SAN
	Describe the Cisco Nexus product family
	Configure and verify network connectivity
	Identify control and data plane traffic
	Perform initial setup
2.0	Data center unified fabric
	Describe FCoE
	Describe FCoE multihop
	Describe VIFs
	Describe FEX products
	Perform initial setup
3.0	Storage networking
	Describe the initiator target
	Verify SAN switch operations
	Describe basic SAN connectivity
	Describe the different types of storage array connectivity
	Verify name server login
	Describe, configure, and verify zoning
	Perform initial setup
	Describe, configure, and verify VSAN
4.0	Data center virtualization
	Describe device virtualization

	Describe server virtualization
	Describe the Cisco Nexus 1000V Switch
	Verify initial setup and operation for the Cisco Nexus 1000V Switch
5.0	Unified computing
	Describe the Cisco UCS product family
	Describe the Cisco UCS Manager
	Describe, configure, and verify cluster configuration
	Describe and verify discovery operation
	Describe, configure, and verify connectivity
	Perform initial setup
	Describe the key features of the Cisco UCS Manager
6.0	Data center network services
	Describe standard Cisco ACE features for load balancing
	Describe server load-balancing virtual context and high availability
	Describe server load-balancing management options
	Describe the benefits of the Cisco Global Load Balancing Solution
	Describe how the Cisco Global Load Balancing Solution integrates with local Cisco load balancers
	Describe the Cisco WAAS need and advantages in the data center