



Introducing Cisco Data Center Technologies (200-155)

Exam Description: The Introducing Cisco Data Center Technologies (DCICT) exam (200-155) is a 90-minute, 55–65 question assessment. This exam is one of the exams associated with the CCNA Data Center Certification. This exam tests a candidate's knowledge of fundamental data center technologies including unified computing, data center network virtualization, Cisco data center networking technologies, data center automation and orchestration, and Application Centric Infrastructure. The course, Introducing Cisco Data Center Technologies v6 (DCICT), will help candidates prepare for this exam, as the content is aligned with the exam topics.

The following topics are general guidelines for the content likely to be included on the 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.

- 25%** **1.0** **Unified Computing**
 - 1.1 Describe common server types and connectivity found in a data center
 - 1.2 Describe the physical components of the Cisco UCS
 - 1.3 Describe the concepts and benefits of Cisco UCS hardware abstraction
 - 1.4 Perform basic Cisco UCS configuration
 - 1.4.a Cluster high availability
 - 1.4.b Port roles
 - 1.4.c Hardware discovery
 - 1.5 Describe server virtualization concepts and benefits
 - 1.5.a Hypervisors
 - 1.5.b Virtual switches
 - 1.5.c Shared storage
 - 1.5.d Virtual Machine components
 - 1.5.e Virtual Machine Manager
- 17%** **2.0** **Network Virtualization**
 - 2.1 Describe the components and operations of Cisco virtual switches
 - 2.2 Describe the concepts of overlays
 - 2.2.a OTV
 - 2.2.b NVGRE
 - 2.2.c VXLAN
 - 2.3 Describe the benefits and perform simple troubleshooting of VDC STP

- 2.4 Compare and contrast the default and management VRFs
- 2.5 Differentiate between the data, control, and management planes
- 26%** **3.0 Cisco Data Center Networking Technologies**
 - 3.1 Describe, configure, and verify FEX connectivity
 - 3.2 Describe, configure, and verify basic vPC features
 - 3.3 Describe, configure, and verify FabricPath
 - 3.4 Describe, configure, and verify unified switch ports
 - 3.5 Describe the features and benefits of Unified Fabric
 - 3.6 Describe and explain the use of role-based access control within the data center infrastructure
- 15%** **4.0 Automation and Orchestration**
 - 4.1 Explain the purpose and value of using APIs
 - 4.2 Describe the basic concepts of cloud computing
 - 4.3 Describe the basic functions of a Cisco UCS Director
 - 4.3.a Management
 - 4.3.b Orchestration
 - 4.3.c Multitenancy
 - 4.3.d Chargeback
 - 4.3.e Service offerings
 - 4.3.f Catalogs
 - 4.4 Interpret and troubleshoot a Cisco UCS Director workflow
- 17%** **5.0 Application Centric Infrastructure**
 - 5.1 Describe the architecture of an ACI environment
 - 5.1.a Basic policy resolution
 - 5.1.b APIC controller
 - 5.1.c Spine leaf
 - 5.1.d APIs
 - 5.2 Describe the fabric discovery process
 - 5.3 Describe the policy-driven, multitier application deployment model and its benefits
 - 5.4 Describe the ACI logical model
 - 5.4.a Tenants
 - 5.4.b Context
 - 5.4.c Bridge domains
 - 5.4.d EPG
 - 5.4.e Contracts