

Implementing Cisco Data Center Unified Computing (300-175)

Exam Description: The Implementing Cisco Data Center Unified Computing (DCUCI) exam (300-175) is a 90-minute, 60–70 question assessment. This exam is one of the exams associated with the CCNP Datacenter Certification. This exam tests a candidate's knowledge of implementing Cisco data center technologies including unified computing, unified computing maintenance and operations, automation, unified computing security, and unified computing storage. The course, Implementing Cisco Data Center Unified Computing v6 (DCUCI), helps candidates to prepare for this exam because 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.

- 28%** **1.0** **Implement Cisco Unified Computing**
 - 1.1 Install Cisco Unified Computing platforms
 - 1.1.a Stand-alone computing
 - 1.1.b Chassis / blade
 - 1.1.c Modular / server cartridges
 - 1.1.d Server integration
 - 1.2 Implement server abstraction technologies
 - 1.2.a Service profiles
 - 1.2.a (i) Pools
 - 1.2.a (ii) Policies
 - 1.2.a (ii).1 Connectivity
 - 1.2.a (ii).2 Placement policy
 - 1.2.a (ii).3 Remote boot policies
 - 1.2.a (iii) Templates
 - 1.2.a (iii).1 Policy hierarchy
 - 1.2.a (iii).2 Initial vs updating
- 20%** **2.0** **Unified Computing Maintenance and Operations**
 - 2.1 Implement firmware upgrades, packages, and interoperability
 - 2.2 Implement backup operations
 - 2.3 Implement monitoring
 - 2.3.a Logging
 - 2.3.b SNMP
 - 2.3.c Call Home
 - 2.3.d NetFlow

2.3.e Monitoring session

- 12%** **3.0 Automation**
 - 3.1 Implement integration of centralized management
 - 3.2 Compare and contrast different scripting tools
 - 3.2.a SDK
 - 3.2.b XML

- 13%** **4.0 Unified Computing Security**
 - 4.1 Implement AAA and RBAC
 - 4.2 Implement key management

- 27%** **5.0 Unified Computing Storage**
 - 5.1 Implement iSCSI
 - 5.1.a Multipath
 - 5.1.b Addressing schemes

 - 5.2 Implement Fibre Channel port channels

 - 5.3 Implement Fibre Channel protocol services
 - 5.3.a Zoning
 - 5.3.b Device alias
 - 5.3.c VSAN

 - 5.4 Implement FCoE
 - 5.4.a FIP
 - 5.4.b FCoE topologies
 - 5.4.c DCB

 - 5.5 Implement boot from SAN
 - 5.5.a FCoE / Fiber Channel
 - 5.5.b iSCSI