



Implementing Cisco Application Centric Infrastructure v1.0 (300-620)

Exam Description: Implementing Cisco Application Centric Infrastructure v1.0 (DCACI 300-620) is a 90-minute exam associated with the CCNP Data Center Certification. This exam certifies a candidate's knowledge of Cisco Nexus 9000 series switches in ACI mode including configuration, integration, management and monitoring, network resources, interconnections, programmability and orchestration. The course, Configuring Cisco Nexus 9000 Series Switches in ACI Mode, helps candidates to prepare for this exam.

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. 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** **Configuration**
 - 1.1 Implement fabric discovery

 - 1.2 Implement access policies

 - 1.3 Implement logical constructs
 - 1.1.a Tenant
 - 1.1.b Network
 - 1.1.c Bridge Domain
 - 1.1.d Endpoint Groups (EPG)
 - 1.1.e Filters
 - 1.1.f Contracts

- 15%** **2.0** **Integration**
 - 2.1 Implement VMM domain integrations
 - 2.1.a VMware vCenter to APIC
 - 2.1.b AAEP
 - 2.1.c vCenter with EPGs
 - 2.1.d Virtual machine to an EPG

 - 2.2 Integrate third-party features

- 15%** **3.0** **Management and Monitoring**
 - 3.1 Implement management

 - 3.2 Implement role-based access control (RBAC)
 - 3.2.a Security domains and role mapping
 - 3.2.b External authentication with RADIUS

 - 3.3 Implement monitoring

- 15%** **4.0** **Network Resources**
 - 4.1 Implement external network integration
 - 4.1.a Layer 2 extension
 - 4.1.b Layer 3 extension
 - 4.2 Implement packet flow (unicast, multicast, broadcast)
 - 4.3 Describe service insertion and redirection
 - 4.3.a Device package
 - 4.3.b Service graph
 - 4.4 Describe methods to migrate existing networks to ACI
- 15%** **5.0** **Interconnections**
 - 5.1 Implement multipod (policy, fabric, IPN, external routed networks)
 - 5.2 Implement multisite (controllers, policy, ISN)
 - 5.3 Implement GOLF
- 15%** **6.0** **Programmability and Orchestration**
 - 6.1 Implement ACI programmability solutions (Python, REST API)
 - 6.2 Describe orchestration solutions
 - 6.3 Utilize ACI App Center