Implementing Cisco Application Centric Infrastructure v1.2 (300-620)

Exam Description: Implementing Cisco Application Centric Infrastructure v1.2 (DCACI 300-620) is a 90-minute exam that is associated with the CCNP Data Center Certification. This exam certifies a candidate's knowledge of Cisco switches in ACI mode including configuration, implementation, and management.

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.

20% 1.0 ACI Fabric Infrastructure

- 1.1 Describe ACI architecture
  - 1.1.a Topology and hardware
  - 1.1.b Virtual APIC
- 1.2 Describe ACI Object Model
- 1.3 Utilize faults, events, audit log, and health score
- 1.4 Describe ACI fabric discovery
- 1.5 Implement ACI policies
  - 1.5.a Access
  - 1.5.b Fabric
- 1.6 Implement ACI logical constructs
  - 1.6.a Tenant
  - 1.6.b Application profile
  - 1.6.c VRF
  - 1.6.d Bridge domain
  - 1.6.e Endpoint groups
  - 1.6.f Contracts (filters, vzAny, preferred group)
  - 1.6.g Endpoint Security groups

15% 2.0 ACI Packet Forwarding

- 2.1 Describe endpoint learning
- 2.2 Implement bridge domain configuration settings such as unicast routing, Layer 2 unknown unicast, ARP flooding

20% 3.0 External Network Connectivity

3.1 Implement Layer 2 connectivity (STP/MCP basics and EPG port bindings)

3.2 Implement Layer 3 out (excludes transit routing and VRF route leaking)

15% 4.0 Integrations

4.1 Implement virtual networking integration

- 4.1.a VMware vCenter DVS
- 4.1.b Nutanix VMM

4.2 Describe resolution and deployment immediacy in VMM

4.3 Implement service graph

20% 5.0 ACI Management

5.1 Implement out-of-band and in-band management

5.2 Utilize traditional and AI-assisted monitoring tools

- 5.2.a Syslog, SNMP services
- 5.2.b Nexus Dashboard insights

5.3 Implement configuration backup (snapshot/config import export)

5.4 Implement AAA and RBAC

5.5 Configure an upgrade

10% 6.0 ACI Anywhere

6.1 Describe Multi-Pod

6.2 Describe Multi-Site

6.3 Describe Remote Leaf