Implementing Cisco Application Centric Infrastructure v1.1 (300-620)

Exam Description: Implementing Cisco Application Centric Infrastructure v1.1 (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 topology and hardware
- 1.2 Describe ACI Object Model
- 1.3 Utilize faults, event record, and audit log
- 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 (unicast routing, Layer 2 unknown hardware proxy, ARP flooding)
  - 1.6.e Endpoint groups (EPG)
  - 1.6.f Contracts (filter, provider, consumer, reverse port filter, vzAny, VRF enforced)

15% 2.0 ACI Packet Forwarding

- 2.1 Describe endpoint learning
- 2.2 Implement bridge domain configuration knob (unicast routing, Layer 2 unknown hardware proxy, ARP flooding)

20% 3.0 External Network Connectivity

- 3.1 Implement Layer 2 out (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 VMware vCenter DVS integration
- 4.2 Describe resolution immediacy in VMM
- 4.3 Implement service graph

20% 5.0 ACI Management

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

5.2 Utilize syslog and snmp services
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