Implementing Cisco Application Centric Infrastructure – Advanced v1.0 (600-660)

Exam Description: Implementing Cisco Application Centric Infrastructure – Advanced v1.0 (DCACIA 600-660) is a 90-minute exam. This exam tests a candidate's advanced knowledge and skills of Cisco switches in ACI mode including configuration, implementation, management, and troubleshooting.

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 Packet Forwarding**
	1.1	Describe packet forwarding between leafs (VxLAN)
	1.2	Implement server NIC teaming with ACI
	1.3	Implement endpoint learning optimizations (local/remote endpoint, limit IP subnet, enforce subnet check, IP dataplane leaning option in VRF, loop detection, and rogue EP)
25%	**2.0**	**Advanced ACI Policies and Integrations**
	2.1	Implement Layer 3 out transit routing
	2.2	Utilize common tenant
	2.3	Implement VRF route leaking
	2.4	Implement Layer 3 out VRF route leaking
	2.5	Implement contracts (pcTag, global pcTab, contract priorities, taboo, and deny filter)
	2.6	Implement Layer 4 through Layer 7 PBR (including use cases)
20%	**3.0**	**Multipod**
	3.1	Implement IPN
	3.2	Describe packet flow between pods
	3.3	Describe firewall and load balancer design with multipod
	3.4	Implement service graph with multipod
20%	**4.0**	**Multisite**
	4.1	Implement Multi-Site Orchestrator
	4.2	Implement ISN
	4.3	Describe stretched component options
	4.4	Describe communication across sites
15%	**5.0**	**Traditional network with ACI**
	5.1	Describe network-centric and application-centric designs
	5.2	Describe STP BPDU handling in ACI (FD-VNID and VLAN pool consideration)
	5.3	Describe migration considerations

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