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Cisco 300-620 certification exam is designed to test the knowledge and skills of IT professionals who are responsible for designing, deploying, and managing Cisco Application Centric Infrastructure (ACI) solutions. ACI is a comprehensive solution for building agile, secure, and scalable data center networks that can support modern applications and services.

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Cisco Implementing Cisco Application Centric Infrastructure Sample Questions (Q25-Q30):

NEW QUESTION # 25

Which method does the Cisco ACI fabric use to load-balance multdestination traffic?

- A. shortest-path trees
- **B. forwarding tag trees**
- C. PIM routing
- D. spanning trees

Answer: B

Explanation:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/aci-fundamentals/b_ACI-Fundamentals/b_ACI-Fundamentals_chapter_010010.html

The ACI fabric uses Forwarding Tag (FTAG) trees to load balance multi-destination traffic. All multi-destination traffic is forwarded in the form of encapsulated IP multicast traffic within the fabric. The ingress leaf assigns an FTAG to the traffic when forwarding it to the spine. The FTAG is assigned in the packet as part of the destination multicast address. In the fabric, the traffic is forwarded along the specified FTAG tree. Spine and any intermediate leaf switches forward traffic based on the FTAG ID. One forwarding tree is built per FTAG ID. Between any two nodes, only one link forwards per FTAG. Because of the use of multiple FTAGs, parallel links can be used with each FTAG choosing a different link for forwarding. The larger the number of FTAG trees in the fabric means the better the load balancing potential is. The ACI fabric supports up to 12 FTAGs.

NEW QUESTION # 26

An engineer must limit management access to the Cisco ACI fabric that originates from a single subnet where the NOC operates. Access should be limited to SSH and HTTPS only. Where should the policy be configured on the Cisco APIC to meet the requirements?

- A. policy on the management VLAN
- B. ACL on the console interface
- **C. policy in the management tenant**
- D. ACL on the management interface of the APIC

Answer: C

Explanation:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/Operating_ACI/guide/b_Cisco_Operating_ACI/b_Cisco_Operating_ACI_chapter_0111.html

3. Mgmt—The management tenant provides convenient means to configure access policies for fabric nodes. While fabric nodes are accessible and configurable through the APIC, they can also be accessed directly using in-band and out-of-band connections. In-band and out-of-band policies are configured under the mgmt tenant:

- In-Band Management Access
- Out-of-Band Management Access

NEW QUESTION # 27

Which two dynamic routing protocols are supported when using Cisco ACI to connect to an external Layer 3 network? (Choose two.)

- A. VXLAN
- B. IS-IS
- C. eBGP
- D. iBGP
- E. RIPv2

Answer: C,D

Explanation:

The two dynamic routing protocols supported when using Cisco ACI to connect to an external Layer 3 network are iBGP (Option A) and eBGP (Option E)78. These protocols are included in the routing protocol options for a Layer 3 external outside network configuration in ACI

NEW QUESTION # 28

An engineer must integrate a Cisco ACI fabric with VMware and discover an ESXi host using LLDP. Two EPGs have been created and associated with the VMM domain. The engineer must configure the ACI such that contracts are pushed to the ACI leaf switches when the VM is mapped to EPG and the contracts are removed when LLDP is disabled. Which configuration must be selected to meet these requirements?

- A. Deployment immediacy: On-Demand
- B. Resolution immediacy: Immediate
- C. Deployment immediacy: Immediate
- D. Resolution immediacy: On-Demand

Answer: C

Explanation:

Immediate - Specifies that EPG policies (including contracts and filters) are downloaded to the associated leaf switch software upon ESXi host attachment to a DVS. LLDP or OpFlex permissions are used to resolve Immediate- Specifies that the policy is programmed in the hardware policy CAM as soon as the policy is downloaded in the leaf software.

On Demand - Specifies that a policy (for example, VLAN, VXLAN bindings, contracts, or filters) is pushed to the leaf node only when an ESXi host is attached to a DVS and a VM is placed in the port group (EPG).

Pre-provision - Specifies that a policy is downloaded to a leaf switch even before a VM controller is attached to the virtual switch. This pre-provisions the configuration on the switch.

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/aci-fundamentals/b_ACI-Fundamentals/b_ACI-Fundamentals_chapter_01011.html

NEW QUESTION # 29

A Cisco ACI environment consists of multiple silent hosts that are often relocated between leaf switches. When the host is relocated, the bridge domain takes more than a few seconds to relearn the host's new location. The requirement is to minimize the relocation impact and make the ACI fabric relearn the new location of the host faster. Which action must be taken to meet these requirements?

- A. Set Unicast Routing to Enabled.
- B. Set L2 Unknown Unicast to Hardware Proxy.
- C. Configure IP Data-Plane Learning to No.
- D. Configure ARP Flooding to Enabled.

Answer: C

Explanation:

In a Cisco ACI environment with multiple silent hosts that are often relocated between leaf switches, configuring IP Data-Plane Learning to 'No' will minimize the relocation impact and make the ACI fabric relearn the new location of the host faster. Disabling IP Data-Plane Learning prevents the fabric from learning IP addresses from the data plane, which can speed up the process of relearning host locations when they move3.

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