300-620^{Q&As}

Implementing Cisco Application Centric Infrastructure (DCACI)

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QUESTION 1

When the subnet is configured on a bridge domain, on which physical devices is the gateway IP address configured?

A. all leaf switches and all spine nodes

B. only spine switches where the bridge domain of the tenant is present

C. only leaf switches where the bridge domain of the tenant is present

D. all border leaf nodes where the bridge domain of the tenant is present

Correct Answer: C

Reference: http://www.netdesignarena.com/index.php/2016/06/16/aci-tenant-building-blocks-forwarding-logic/

QUESTION 2

An engineer is in the process of discovering a new Cisco ACI fabric consisting of two spines and four leaf switches. The discovery of leaf 1 has just been completed. Which two nodes are expected to be discovered next? (Choose two.)

A. leaf 2

B. leaf 4

C. spine 1

D. leaf 3

E. spine 2

Correct Answer: CE

The APIC is a central point of automated provisioning and management for all the switches that are part of the ACI fabric. A single data center might include multiple ACI fabrics; each data center might have its own APIC cluster and Cisco Nexus 9000 Series switches that are part of the fabric. To ensure that a switch is managed only by a single APIC cluster, each switch must be registered with that specific APIC cluster that manages the fabric.

The APIC discovers new switches that are directly connected to any switch it currently manages. Each APIC instance in the cluster first discovers only the leaf switch to which it is directly connected. After the leaf switch is registered with the APIC, the APIC discovers all spine switches that are directly connected to the leaf switch. As each spine switch is registered, that APIC discovers all the leaf switches that are connected to that spine switch. This cascaded discovery allows the APIC to discover the entire fabric topology in a few simple steps.

QUESTION 3

Refer to the exhibit.
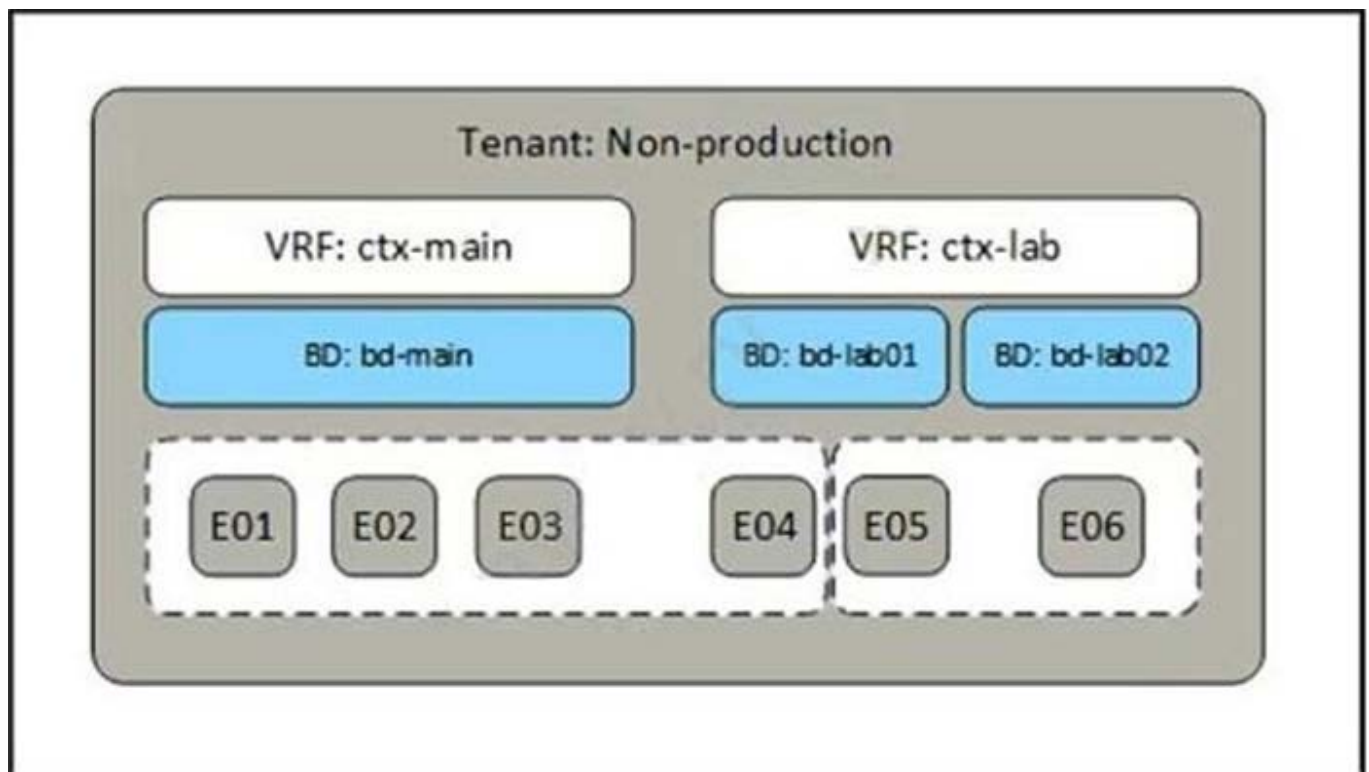
A network engineer must complete the Cisco ACI implementation based on the logical system design created by the systems architect. Which Cisco ACI object is required where the dotted line indicates to complete the task?

A. contract

B. application profile

C. context

D. attachable Access Entity Profile

Correct Answer: B

A tenant in the ACI object model represents the highest level object. A tenant consists of networking-related objects such as VRFs, bridge domains and subnets, and policy-related objects such as application profiles, EPGs, and contracts.

QUESTION 4

An engineer must configure an L3Out to advertise a single summarized address for all Cisco ACI host routes. The summarized address must be advertised to the core switches that are physically attached to the ACI fabric. An external EPG is created with the required subnet.

Which configuration set advertises the subnet to the remote peer?

A. Set the external EPG subnet scope to Export Route Control Subnet. Associate a route control profile.

B. Set the external EPG subnet scope to Export Route Control Subnet. Associate a route summarization policy.

C. Set the external EPG subnet scope to Import Route Control Subnet. Associate a route summarization policy.

D. Set the external EPG subnet scope to Import Route Control Subnet. Associate a route control profile.

Correct Answer: B

https://www.cisco.com/c/en/us/td/docs/dcn/aci/apic/5x/l3-configuration/cisco-apic-layer-3-networking-configuration-guide-52x/route-summarization-layer3-config-52x.html

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QUESTION 5

An engineer must connect a new host to port 1/1 on Leaf 101. A Cisco ACI fabric has an MCP policy configured but experiences excessive Layer 2 loops. The engineer wants the Cisco ACI fabric to detect and prevent Layer 2 loops in the fabric. Which set of actions accomplishes these goals?

A. Enable MCP locally. Associate the MCP policy with an interface policy group.

B. Enable MCP locally. Associate the MCP policy with an interface profile.

C. Enable MCP globally. Associate the MCP policy with an interface selector.

D. Enable MCP globally. Associate the MCP policy with an interface policy group.

Correct Answer: D

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