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Implementing Cisco Application Centric Infrastructure (DCACI)

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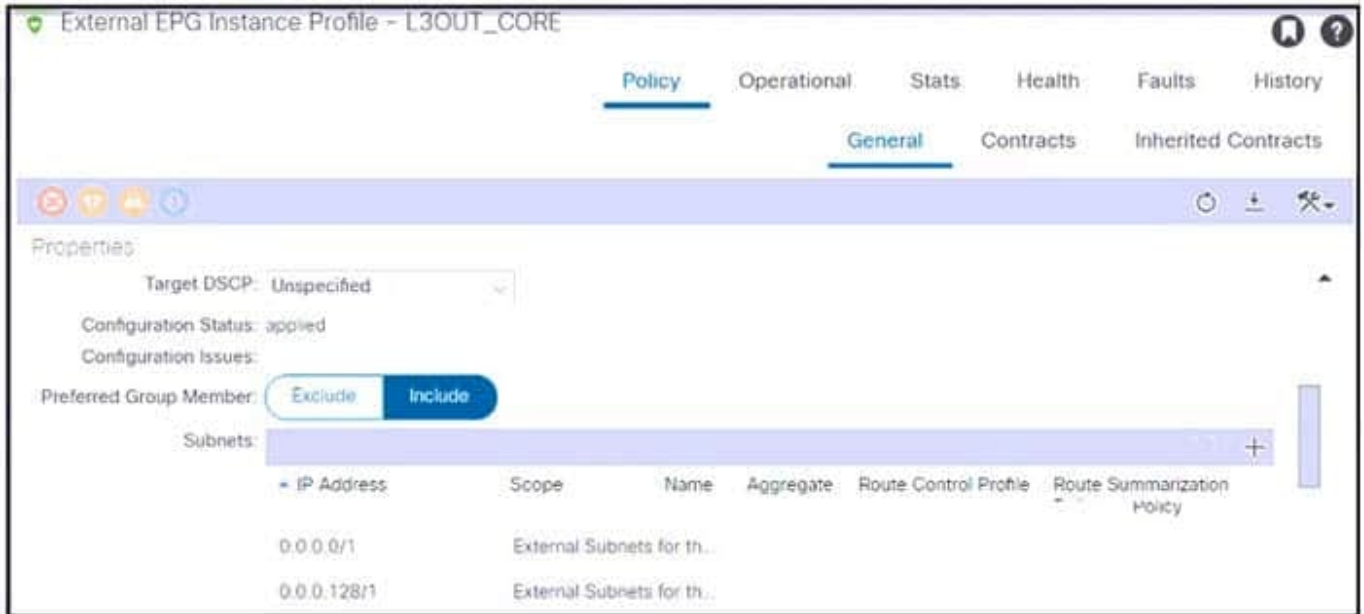
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QUESTION 1

Refer to the exhibit.

An engineer configured subnets on the external EPG called L3OUT_CORE. The external endpoints in the 10.1.0.0/24 subnet can reach internal endpoints, but the external endpoints in the 172.16.1.0/24 subnet are unreachable. Which set of actions enables the connectivity?

A. Delete both external EPG subnets. Create the 0.0.0.0/1 subnet.

B. Delete the external EPG subnet 0.0.0.128/1. Create the 128.0.0.0/1 subnet.

C. Delete both external EPG subnets. Create the 0.0.0.0/0 subnet.

D. Delete the external EPG subnet 0.0.0.0/0. Create the 0.0.0.0/128 subnet.

Correct Answer: B

The 0.0.0.0/0 matches every IP address, whereas 0.0.0.0/1 only matches half of them (0.0.0.0-127.255.255.255) and requires 128.0.0.0/1 as its pair to match the rest (128.0.0.0-255.255.255.255).

https://serverfault.com/questions/1100250/what-is-the-difference-between-0-0-0-0-0-and-0-0-0-0-1

QUESTION 2

Which Cisco APIC configuration prevents a remote network that is not configured on the bridge domain from being learned by the fabric?

A. enable Limit IP Learning to Subnet

B. enable Unicast Routing

C. enable IP Data-plane Learning

D. enable ARP Flooding to BD

Correct Answer: A

Reference: https://www.cisco.com/c/en/us/solutions/collateral/data-center-virtualization/application-centric-infrastructure/white-paper-c11-739989.html

QUESTION 3

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

A. iBGP

B. VXLAN

C. IS-IS

D. RIPv2

E. eBGP

Correct Answer: AE

Reference:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/ACI_Best_Practices/b_ACI_Best_Practices/b_ACI_Best_Practices_chapter_010010.html

QUESTION 4

An engineer must perform a Cisco ACI fabric upgrade that minimizes the impact on user traffic and allows only permitted users to perform an upgrade. Which two configuration steps should be taken to meet these requirements? (Choose two.)

A. Grant tenant-ext-admin access to a user who performs an upgrade

B. Divide Cisco APIC controllers into two or more maintenance groups

C. Combine all switches into an upgrade group

D. Grant the fabric administrator role to a user who performs an upgrade

E. Divide switches into two or more maintenance groups

Correct Answer: DE

QUESTION 5

A network engineer must configure a new SNMP configuration and syslog servers. The requirement is for all faults and events related to endpoint groups, bridge domains, and VRFs to be sent to it. Which action must be taken to meet the requirements?

A. Enable access monitoring policies on the required endpoint groups, bridge domains, and VRFs.

B. Utilize common tenant monitoring policies in the Cisco APIC.

C. Configure fabric monitoring policies and attach to the spine switch in the fabric.

D. Implement fabric-wide monitoring policies on all nodes.

Correct Answer: D

Below are the high-level steps required to successfully configuring your ACI Fabric to send messages to an external SYSLOG server.

-Ensure that your Out-of-Band -or- Inband Contracts permit UDP Port 514. -Create a SYSLOG Destination -Create ACI Fabric Monitoring Sources -Select and Configure the appropriate Fabric-level Fabric SYSLOG events (Fabric > Fabric) -Fabric > Fabric > Policies > Monitoring > Common Policy -Fabric > Fabric > Policies > Monitoring > default -(optional) Fabric > Fabric > Policies > Monitoring > Common Policy > Syslog Message Policies > Policy for system syslog messages -Select and Configure the appropriate Access-level SYSLOG events (Fabric > Access) -Select and Configure the appropriate Tenant-level SYSLOG events (Tenants > common > Policies > Monitoring > default

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