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Cisco Application Centric Infrastructure for Field Engineers Exam

Cisco 700-703

Version Demo

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QUESTION NO: 1

Which two statements describe how an attachable entity profile policy enables external connectivity? (Choose two.)

A. Associates internal VLAN pools to internal domains.

B. Associates external domains to attachment points.

C. Provides VLAN pool scope and maps external domains to leaf ports.

D. Provides VLAN mapping to physical spine ports.

E. Associates external VLAN pools to external VMM domains.

ANSWER: B C

Explanation:

Reference: http://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/aci-fundamentals/b_ACI-Fundamentals/b_ACIFundamentals_chapter_010100.html#concept_C3EF1E36E8F6406A96A71E605AC175BD

QUESTION NO: 2

What is an application network profile in application-centric infrastructure?

A. UCS Manager Concept for accelerated network configuration.

B. Stateful definition of application requirements.

C. Stateless definition of application requirements.

D. Application network requirements dependent upon infrastructure.

E. Data-center-specific configuration of infrastructure.

ANSWER: C

Explanation:

Network profile: stateless definition of application requirements

− Application tiers

− Connectivity policies − Layer 4 – 7 services

− XML/JSON schema

Reference: http://www.cisco.com/assets/global/SI/events/cisco_datacenter_day/pdf/Policy_Defined-DC-ACI_Slovenija.pdf slide 25

QUESTION NO: 3

Which best practice for virtual machine management domains must be used in an ACI fabric?

A. Combine the endpoint groups that are associated with the VMM domains.

B. Combine the application network profiles that are used by both VMM domains.

C. Separate the VMM administration space across different leaf nodes.

D. Separate the VLAN namespace when VMM domains share a top-of-rack switch.

ANSWER: C

QUESTION NO: 4

In an application-centric infrastructure which four aspects of the solution must be configured to support an application? (Choose four.)

A. The relationship between endpoints and their policies.

B. Data center-specific configuration of the infrastructure.

C. The endpoints of the application.

D. The layer 2 through layer 7 network policies of the application.

E. A virtual machine or server

F. Establishes forwarding paths in the ACI fabric.

ANSWER: A B C E

QUESTION NO: 5

Which application-centric infrastructure container is used for IP subnets and can be used to define a Layer 2 boundary?

A. bridge domain

B. tenant

C. endpoint group

D. VLAN

E. Private network (layer 3)

ANSWER: A

Explanation:

A bridge domain is a construct used to define a Layer 2 boundary within the fabric. A bridge domain can be viewed as somewhat similar to regular VLANs in a traditional switching environment.

1. Specify a bridge domain in the private network.

2. Specify the bridge domain name in the Name field (BD1).

3. Click the + sign next to Subnets to add a public subnet (192.168.1.254/24) to associate with BD1. This public subnet will advertise to ISP1
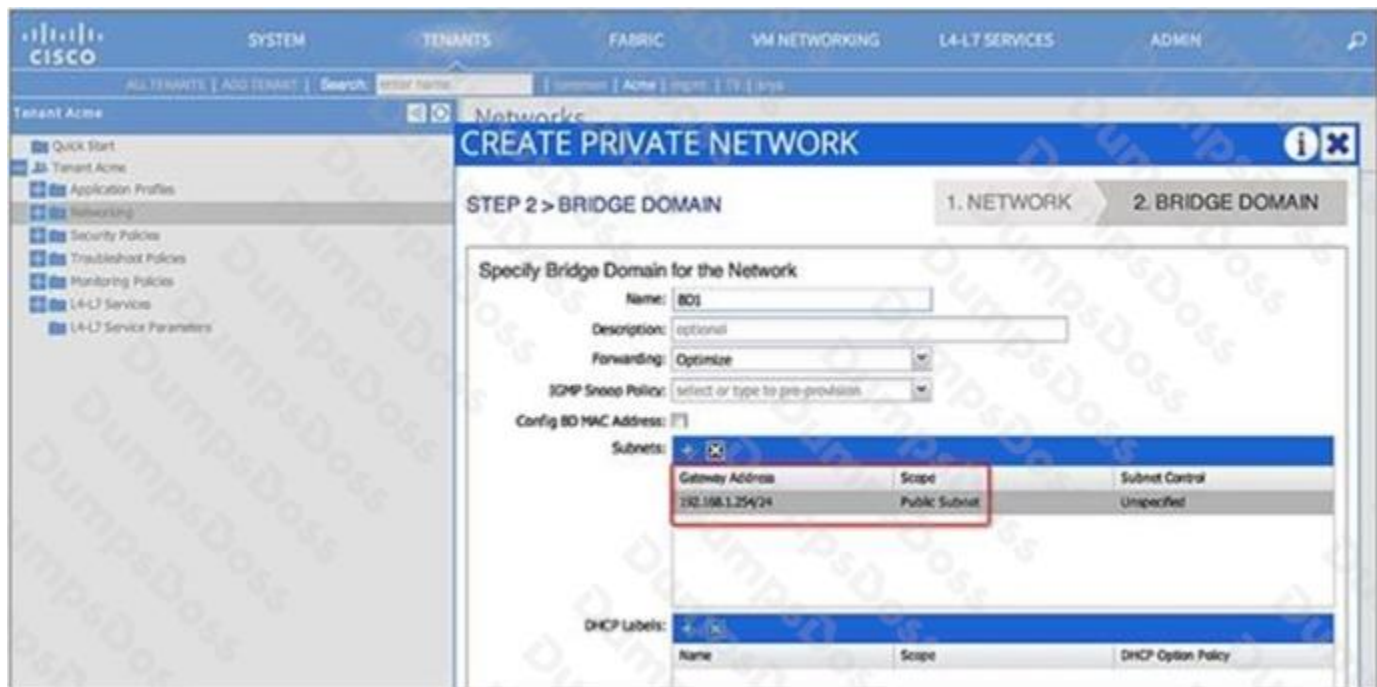
QUESTION NO: 6

How are VLAN tags used in an ACI fabric?

A. To group traffic in Layer 3 IP subnet.

B. To group traffic, in Layer 2 broadcast domains.

C. Only for traffic classification.

D. Only for reporting purposes.

ANSWER: B

QUESTION NO: 7

The ACI fabric provides decoupling of which aspects of the data center network?

A. Endpoint identity, IP addressing, and application profiles.

B. Endpoint identity, location, and associated policy.

C. Endpoint groups, location, and application profiles.

D. Endpoint groups, IP addressing, and associated policy.

ANSWER: B

Explanation:

The ACI fabric decouples the endpoint identity and associated policy from the underlying forwarding graph

Reference: http://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/aci-fundamentals/b_ACI-Fundamentals/b_ACI_Fundamentals_BigBook_chapter_0100.html

QUESTION NO: 8

Which two tables are stored on the leaf switch of an ACI fabric? (Choose two.)

A. proxy station table

B. local station table

C. tenant station table

D. global station table

ANSWER: B D

Explanation:

When the ingress leaf switch receives the frame, it learns the source MAC and source IP and programs them into the local station table. The leaf switch derives the source EPG based on the

VLAN ID or VXLAN VNID. The MAC and IP addresses in the local station table also contain the EPG information and they can be used to derive EPG information for the subsequent packets. When a leaf switch receives a frame from the host it needs to determine whether the destination IP is inside the fabric or outside the fabric. If the destination IP matches with any /32 host route entry in the global station table, it means the destination is an endpoint inside the fabric and the leave switch already learned the endpoint.

Reference: http://www.cisco.com/c/en/us/solutions/collateral/data-center-virtualization/application-centric-infrastructure/white-paper-c07-732033.html

QUESTION NO: 9

Which two options describe information that is included in the VXLAN VNID to identify forwarding information between the ingress nodes? (Choose two.)

A. APIC that set the VXLAN VNID.

B. Egress node that set the VXLAN VNID.

C. VRF context to which the packet belongs.

D. EPG from which the frame is sourced and the bridge domain to which this packet is forwarded.

E. List of spine and leaf nodes through which the packet flow.

ANSWER: C D

QUESTION NO: 10

Which two new operational models are driving the need for infrastructure change in business today? (Choose two.)

A. Big data

B. Increased time to market

C. Increased data center costs

D. Cloud computing

E. Increasing IT staff

ANSWER: A D