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Shared by Carlson on 29-01-2024

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Question 1

What is the advantage of implementing an active-active firewall cluster that is stretched across separate pods when anycast services are configured?

Options:

A- A different MAC/IP combination can be configured for the firewall in each pod.

B- The local pod anycast node is preferred by the local spines.

C- A cluster can be deployed in transparent mode across pods.

D- Local traffic in a pod is load-balanced between the clustered firewalls.

Answer:

A

Question 2

Refer to the exhibit.

Create L4-L7 Devices

STEP 1 > Cluster

1. Cluster ▸ 2. Devices ▸ 3. Parameters

Name: `Firewall`

Device Package: `CISCO-CloudMode-1.0` ▾

Context Aware: **Multiple** | Single

Function Type: GoThrough | GoTo | L1 | L2

Device Type: CLOUD | **PHYSICAL** | VIRTUAL

Cluster Management Interface

EPG: `OOB/OOB-Network` ▾

Virtual IP Address: `10.1.1.1`

Port: `443` ▾

Username: `admin`

Password: `*****`

Confirm Password: `*****`

A network engineer configures a Layer 4 to Layer 7 device for an outside routed firewall that is connected to POD-1 inside a Cisco ACI fabric that consists of two pods. All traffic from POD-1 or POD-2 that uses the L3Out should pass through the routed firewall. Which Function Type must be implemented in the service graph for POD-2 to use L3Out?

Options:

A- GoThrough

B- L1

C- GoTo

D- L2

Answer:

D

Question 3

Question Type: MultipleChoice

An organization deploys active-active data centers and active-standby firewalls in each data center. Which action should be taken in a Cisco ACI Multi-Pod to maintain traffic symmetry through the firewalls?

Options:

A- Enable Endpoint Dataplane Learning

B- Disable service node Health Tracking

C- Enable Pod ID Aware Redirection

D- Disable Resilient Hashing

Answer:

B

Question 4

Question Type: **MultipleChoice**

An engineer configures a new Cisco ACI Multi-Pod and must set up the link between the spine and the IPN device. Which three actions should be taken to accomplish this goal? (Choose three.)

Options:

A- Enable MP-BGP routing

B- Enable BIDIR-PIM protocol

C- Enable PIM-SM protocol

D- Enable OSPF routing

E- Enable IS-IS routing

F- Enable DHCP relay

Answer:

A, B, F

Question 5

Question Type: MultipleChoice

An engineer configures a new Cisco ACI Multi-Pod setup. Which action should be taken for fabric discovery to be successful for the nodes in Pod 2?

Options:

A- Select the Route Reflector field in Pod Peering

B- Enable the DSCP class-cos translation policy for Layer 3 traffic

C- Configure POD 2 Data Plane TEP under the Pod Connection Profile

D- Add the IPN subnet under the Fabric External Routing Profile

Answer:

D

Question 6

Question Type: **MultipleChoice**

Which firewall connection allows for the integration of service nodes in transparent mode with a Cisco ACI Multi-Pod setup?

Options:

A- active-standby mode across pods

B- active-active mode per pods for communication between internal endpoints

C- active-standby mode per pods for communication between endpoints and external networks

D- active-active mode across pods

Answer:
A

Question 7

Question Type: MultipleChoice

An engineer configures a Cisco ACI Multi-Pod for disaster recovery. Which action should be taken for the new nodes to be discoverable by the existing Cisco APICs?

Options:
A- Enable subinterfaces with dot1q tagging on all links between the IPN routers.

B- Configure IGMPv3 on the interfaces of IPN routers that face the Cisco ACI spine.

C- Enable DHCP relay on all links that are connected to Cisco ACI spines on IPN devices.

D- Configure BGP as the underlay protocol in IPN.

Answer:

B

Question 8

Question Type: MultipleChoice

How is broadcast forwarded in Cisco ACI Multi-Pod after ARP flooding is enabled?

Options:

A- For the specific bridge domain, all spines forward the broadcast frames to IPN routers

B- Broadcast frames are forwarded inside the pod and across the IPN using the multicast address that is associated to the bridge domain

C- Within a pod, the ingress leaf switch floods the broadcast frame on all fabric ports

D- Ingress replication is used on the spines to forward broadcast frames in the IPN infrastructure

Answer:

A

Question 9

An engineer designs a Cisco ACI Multi-Pod solution that requires a pair of active-standby firewalls in different pods for external connectivity. How should the firewalls be implemented?

Options:

A- PBR for routed firewalls

B- separate L3Out peerings for routed firewalls

C- routed firewall for the default gateway

D- transparent firewalls

Answer:

D

Question 10

An organization expands a Cisco ACI Multi-Pod from two to six pods and must ensure that the control plane scales. What should be configured in the IPN to ensure that BUM traffic is forwarded efficiently across the IPN?

Options:

A- spine headend replication

B- BIDIR-PIM

C- MP-BGP

D- MSDP

Answer:

B

Question 11

Question Type: MultipleChoice

An engineer must allow routes learned from one L3Out to be advertised out another L3Out. The engineer does not have an explicit list of all the routes that must be advertised out, however, they know that they are all part of the 10.16.0.0/16 CIDR block. Which attributes must be selected under Ext-EPG to allow the necessary routes to be advertised out?

Options:

A- Enable Export Route Control Subnet and enable Aggregate Export

B- Disable Shared Route Control Subnet and enable Aggregate Shared Routes

C- Enable Export Route Control Subnet and disable Aggregate Shared Routes

D- Enable Export Route Control Subnet and enable Shared Route Control Subnet

Answer:

A

Explanation:

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_01001.html

Question 12

Question Type: **MultipleChoice**

As part of a newly deployed ACI fabric, a pair of border leaf switches have been deployed to provide shared services for all tenants. The configured L3Out runs OSPF as the routing protocol. The requirement is to advertise the routes from the border leaf switches to the compute leaf switches. Which configuration must be implemented to meet these requirements?

Options:

A- Configure a BGP route reflector policy for the Cisco ACI pod

B- Define the shared L3Out in the common tenant

C- Enable Import Route Control Enforcement in the L3Out policy

D- Define the consumer subnet under the consumer EPG

Answer:

A

Explanation:

https://www.cisco.com/c/en/us/solutions/collateral/data-center-virtualization/application-centric-infrastructure/ guide-c07-743150.html