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Question 1

Question Type: MultipleChoice

Refer to the exhibit, An engineer is deploying a Cisco ACI environment but experiences a STP loop between switch1 and switch2. Which configuration step is needed to break the STP loop?

Options:

- A- Configure the STP instance to VLAN mapping under the switch STP policy.
- B- Configure a Layer 2 external bridged network on the interfaces facing the MST switches.
- C- Enable the native VLAN on the interfaces facing the MST switches using static ports in a dedicated EPG.
- D- Enable BPDU filter under the STP interface policy on the Interfaces facing the MST switches.

Answer:

C

Question 2

Question Type: MultipleChoice

All workloads in VLAN 1001 have been migrated into EPG-1001. The requirement is to move the gateway address for VLAN 1001 from the core outside the Cisco ACI fabric into the Cisco ACI fabric. The endpoints in EPG-1001 must route traffic to endpoints in other EPGs and minimize flooded traffic in the fabric. Which configuration set is needed on the bridge domain to meet these requirements?

Options:

A- Disable ARP Flood

Disable Limn Endpoint Learning

B- Enable Hardware Proxy Enable Unicas! Routing

C- Disable Local IP Learning Limit Disable Unicast Routing

D- Enable Flood

Enable Unicast Routing

Answer:

B

Question 3

Question Type: MultipleChoice

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.)

Options:

A- spine 1

B- leaf 4

C- spine 2

D- leaf 3

E- leaf 2

Answer:

A, C

Question 4

Question Type: MultipleChoice

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?

Options:

- A- Divide Cisco APIC controllers into two or more maintenance groups.
- B- Grant tenant-ext-admin access to a user who performs an upgrade
- C- Combine all switches into an upgrade group.
- D- Divide switches into two or more maintenance groups.
- E- Grant the fabric administrator role to a user who performs an upgrade.

Answer:

D, E

Question 5

Question Type: MultipleChoice

An engineer must advertise a bridge domain subnet out of the ACI fabric to an OSPF neighbor. Which two configuration steps are required? (Choose two.)

Options:

- A- Configure Subnet scope to Advertised Externally
- B- Add External Subnet for External EPG flag under External EPG.
- C- Create Route Control Profile with the export direction under External EPG.
- D- Add L5out profile to the bridge domain using Associated L3outs section
- E- Configure the Subnet under the EPG level.

Answer:

A, D

Question 6

Question Type: MultipleChoice

An ACI engineer is implementing a Layer 3 out inside the Cisco ACI fabric that must meet these requirements:

The data center core switch must be connected to one of the leaf switches with a single 1G link.

The routes must be exchanged using a link-state routing protocol that supports hierarchical network design.

The data center core switch interface must be using 802.1Q tagging, and each vlan will be configured with a dedicated IP address.

Which set of steps accomplishes these goals?

Options:

- A-** Set up the EIGRP Protocol policy with the selected Autonomous System number. Set up the Routed External Network object and Node Profile, selecting EIGRP Create the Switch profile, selecting Port-channel and the appropriate interfaces Create the default network and associate it with the Routed Outside object.
- B-** Set up the BGP Protocol policy with the Autonomous System number of 0.
Configure an interface policy and an External Bridged Domain.
Create an External Bridged Network using the configured VLAN pool.
Build the Leaf profile, selecting Routed sub-interface and the appropriate VLAN.
- C-** Configure the OSPF Protocol policy with an area of 0.
Create Routed Outside object and Node Profile, selecting OSPF as the routing protocol. Build the Interface profile, selecting Routed Sub-interface and the appropriate VLAN. Configure the External Network object with a network of 0.0.0.0/0.
- D-** Set up the EIGRP Protocol policy with the selected Autonomous System number. Create the Routed Outside object and Node Profile selecting EIGRP Configure the Interface profile selecting Routed Interface and the appropriate interfaces. Create the External Network object with a network of 0.0.0.0/0.

Answer:

C

Question 7

Question Type: MultipleChoice

An engineer is troubleshooting fabric discovery in a newly deployed Cisco ACI fabric and analyzes this output:

An engineer is troubleshooting fabric discovery in a newly deployed fabric.

```
LEAF101# show ip int brief vrf overlay-1
```

```
(...output truncated for brevity...)
```

```
IP Interface Status for VRF "overlay-1"(4)
```

Interface	Address	Interface Status
lo1023	10.233.44.32/32	protocol

```
LEAF101# show vlan extended
```

VLAN	Name	Encap	Ports
8	infra:default	vxlan-38802518,	Eth1/1, Et vlan-3600

Which ACI fabric address is assigned to interface lo1023?

Options:

- A- Dynamic tunnel endpoint
- B- Physical tunnel endpoint
- C- Fabric tunnel endpoint
- D- VXLAN tunnel endpoint

Answer:

D

Question 8

Question Type: MultipleChoice

A Cisco ACI is integrated with a VMware vSphere environment. The port groups must be created automatically in vSphere and propagated to hypervisors when created in the ACI environment. Which action accomplishes this goal?

Options:

- A- Associate the VMM domain with the EPGs that must be available in vCenter.
- B- Assign the uplinks of the ESXi hosts to the vDS that the APIC created.
- C- Configure contracts for the EPGs that are required on the ESXi hosts.
- D- Create the port groups on the vCenter that reflect the EPG names in the APIC.

Answer:

A

Question 9

Question Type: MultipleChoice

The company's Cisco ACI fabric hosts multiple customer tenants. To meet a service level agreement, the company is constantly monitoring the Cisco ACI environment. Syslog is one of the methods used for monitoring. Only events related to leaf and spine environmental information without specific customer data should be logged. To which ACI object must the configuration be applied to meet these requirements?

Options:

A- access policy

B- infra tenant

C- switch profile

D- fabric policy

Answer:

D

Question 10

Question Type: MultipleChoice

A bridge domain for an EPC called "Web Servers" must be created in the Cisco APIC. The configuration must meet these requirements:

Only traffic to known Mac addresses must be allowed to reduce noise.

The multicast traffic must be limited to the ports that are participating in multicast routing.

The endpoints within the bridge domain must be kept in the endpoint table for 20 minutes without any updates.

Which set of steps configures the bridge domain that satisfies the requirements?

Options:

A- Select the ARP Flooding checkbox.

Create an Endpoint Retention Policy with a Remote Endpoint Aging Interval of 20 minutes.

Set L3 Unknown Multicast Flooding to Optimized Flooding

B- Set L2 Unknown Unicast to Hardware Proxy.

Configure L3 Unknown Multicast Flooding to Optimized Flood.

Create an Endpoint Retention Policy with a Local Endpoint Aging interval of 1200 seconds.

C- Switch L2 Unknown Unicast to Flood.

Select the default Endpoint Retention Policy and set the Local Endpoint Aging to 20 minutes.

Set Multicast Destination Flooding to Flood in Encapsulation.

D- Multicast Destination Flooding should be set to Flood in BD.

Set L3 Unknown Multicast Flooding to Flood.

Select the default Endpoint Retention Policy with a Local Endpoint Aging Interval of 1200 seconds.

Answer:

B

Question 11

Question Type: MultipleChoice

Refer to the exhibit A Cisco ACI fabric is using out-of-band management connectivity The APIC must access a routable host with an IP address of 192.168.11.2 Which action accomplishes this goal?

Options:

- A- Change the switch APIC Connectivity Preference to in-band management
- B- Remove the in-band management address from the APIC.
- C- Add a Fabric Access Policy to allow management connections.
- D- Modify the Pod Profile to use the default Management Access Policy

Answer:

B

Question 12

Question Type: MultipleChoice

A network engineer must allow secure access to the Cisco ACI out-of-band (OOB) management only from external subnets 10.0.0.0/24 and 192.168.20.0/25. Which configuration set accomplishes this goal?

- Create a L3Out in the MGMT tenant in OOB VRF.
Set External Management Network Instance Profile as a consumer of the OOB contract.
Create an External EPG with two subnet entries with the external subnets.
- Create a PBR service graph in the MGMT tenant.
Create a management Profile with the required OOB EPG.
Redirect all traffic going into ACI management to the external firewall.
Create two subnet entries under the OOB Bridge domain with the required subnets.
- Create an OOB contract that allows the required ports.
Provide the contract from the OOB EPG.
Consume the contract by the OOB External Management Network Instance Profile.
Create two subnet entries in the External Management Network Profile with the required subnets.
- Create an EPG and BD in the MGMT tenant in OOB VRF.
Set OOB VRF to provide the contract.
Set a new EPG to consume the OOB contract.

Options:

- A- Option A
- B- Option B
- C- Option C
- D- Option D

Answer:

C

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