



Cisco

Exam Questions 300-620

Implementing Cisco Application Centric Infrastructure (DCACI)

NEW QUESTION 1

An ACI administrator notices a change in the behavior of the fabric. Which action must be taken to determine if a human intervention introduced the change?

- A. Inspect event records in the APIC UI to see all actions performed by users.
- B. Inspect /var/log/audit_messages on the APIC to see a record of all user actions.
- C. Inspect audit logs in the APIC UI to see all user events.
- D. Inspect the output of show command history in the APIC CLI.

Answer: A

NEW QUESTION 2

Which type of policy configures the suppression of faults that are generated from a port being down?

- A. fault lifecycle assignment
- B. event lifecycle assignment
- C. fault severity assignment
- D. event severity assignment

Answer: C

Explanation:

Reference: https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/all/faults/guide/b_APIC_Faults_Errors/b_IFC_Faults_Errors_chapter_01.html

NEW QUESTION 3

Which type of profile needs to be created to deploy an access port policy group?

- A. attachable entity
- B. Pod
- C. module
- D. leaf interface

Answer: A

Explanation:

Reference: https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/Operating_ACI/guide/b_Cisco_Operating_ACI/b_Cisco_Operating_ACI_chapter_0110.html

NEW QUESTION 4

A situation causes a fault to be raised on the APIC. The ACI administrator does not want that fault to be raised because it is not directly relevant to the environment. Which action should the administrator take to prevent the fault from appearing?

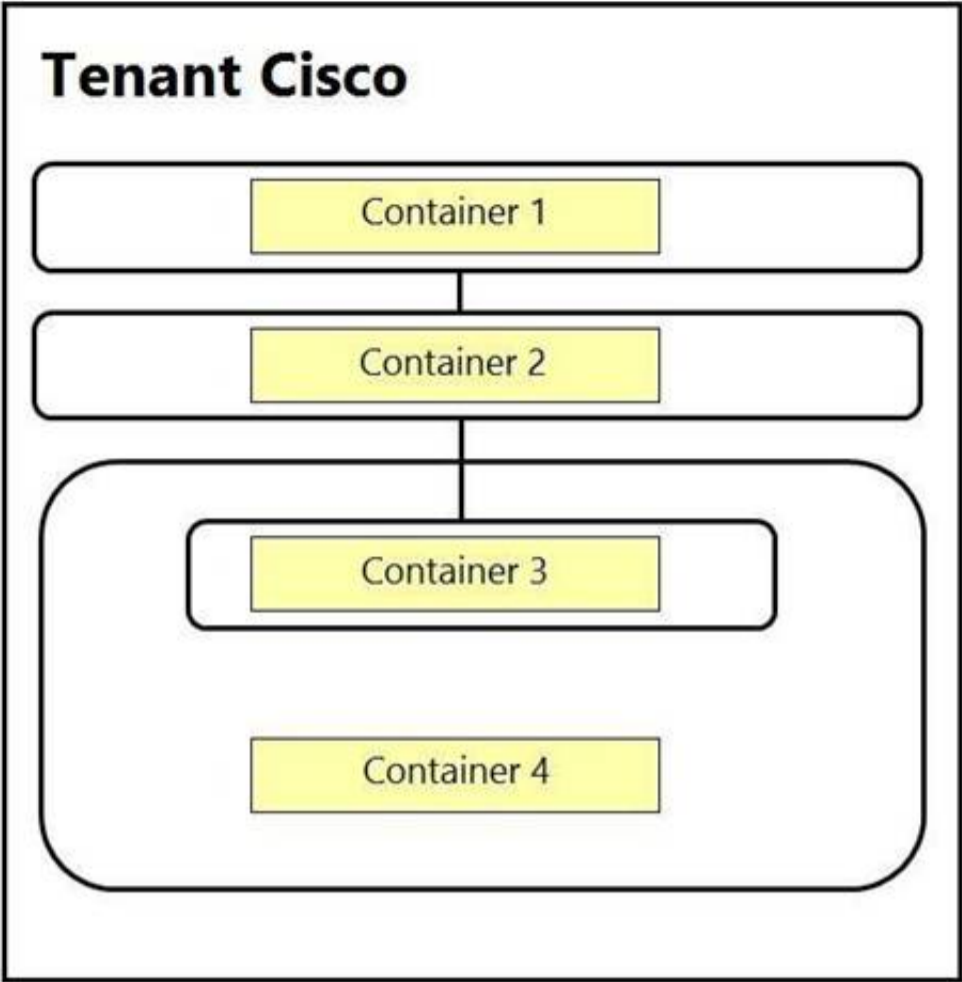
- A. Under System -> Faults, right-click on the fault and select Acknowledge Fault so that acknowledged faults will immediately disappear.
- B. Create a stats threshold policy with both rising and falling thresholds defined so that the critical severity threshold matches the squelched threshold.
- C. Under System -> Faults, right-click on the fault and select Ignore Fault to create a fault severity assignment policy that hides the fault.
- D. Create a new global health score policy that ignores specific faults as identified by their unique fault code.

Answer: C

NEW QUESTION 5

DRAG DROP

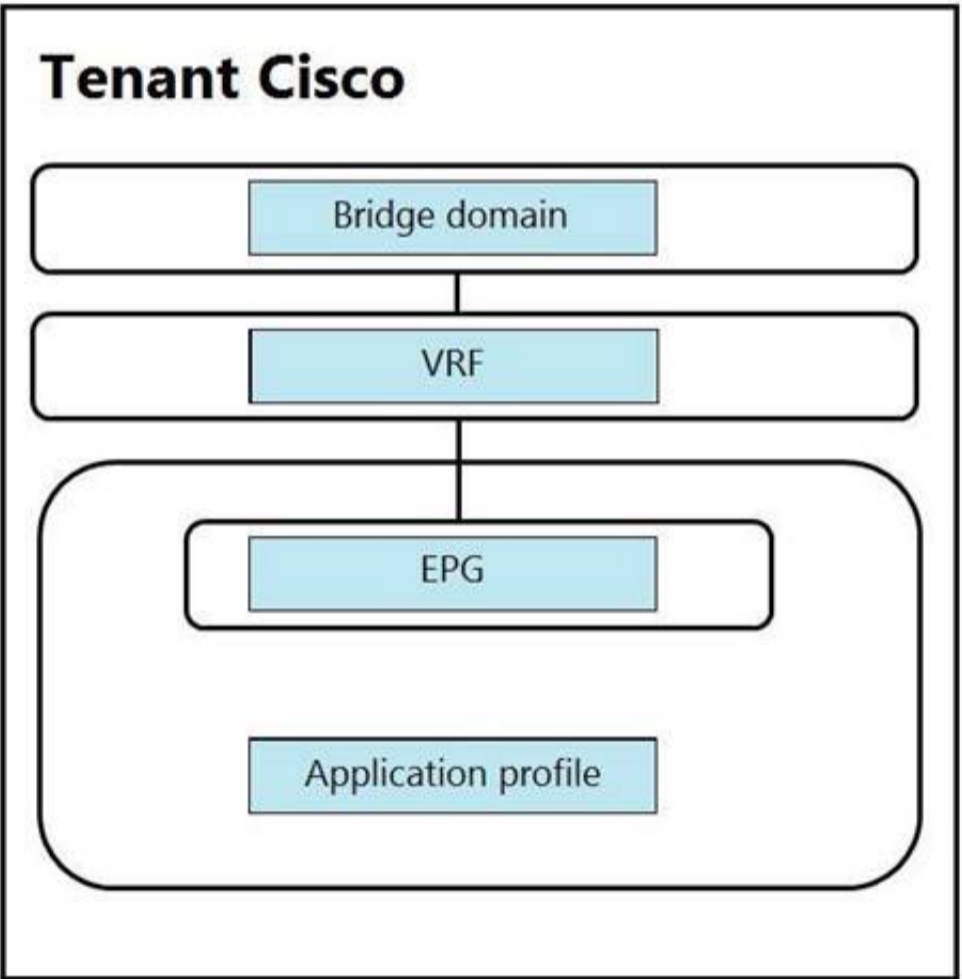
An engineer is configuring a VRF for a tenant named Cisco. Drag and drop the child objects on the left onto the correct containers on the right for this configuration.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 6

How is an EPG extended outside of the ACI fabric?

- A. Create an external bridged network that is assigned to a leaf port.
- B. Create an external routed network that is assigned to an EPG.
- C. Enable unicast routing within an EPG.
- D. Statically assign a VLAN ID to a leaf port in an EPG.

Answer: D

Explanation:

Reference: <https://www.dcclessons.com/l2-external-network-with-aci>

NEW QUESTION 7

Where is the COOP database located?

- A. leaf
- B. spine
- C. APIC
- D. endpoint

Answer: B

Explanation:

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

NEW QUESTION 8

Which description regarding the initial APIC cluster discovery process is true?

- A. The APIC uses an internal IP address from a pool to communicate with the nodes.
- B. Every switch is assigned a unique AV by the APIC.
- C. The APIC discovers the IP address of the other APIC controllers by using Cisco Discovery Protocol.
- D. The ACI fabric is discovered starting with the spine switches.

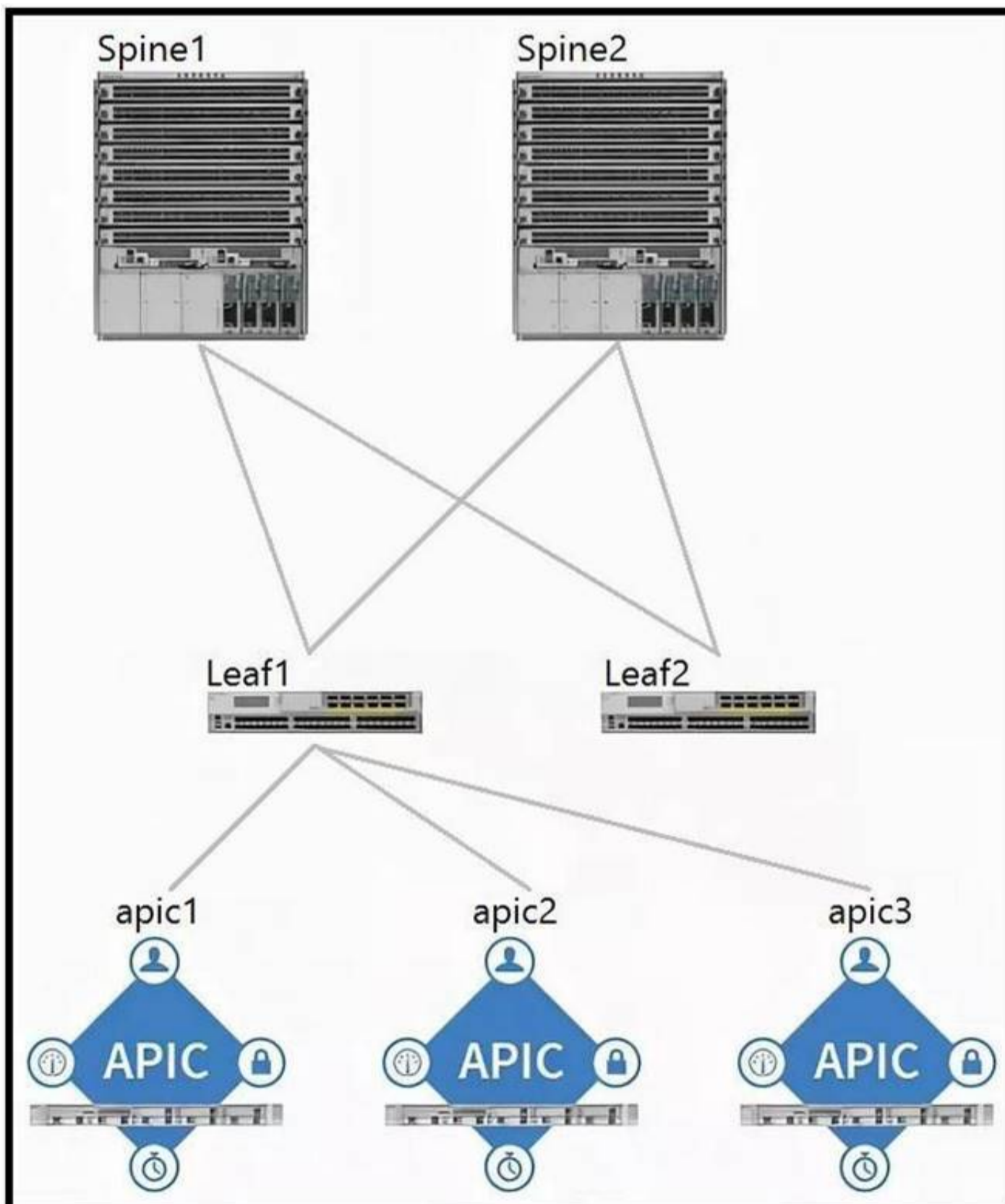
Answer: C

Explanation:

Reference: https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/aci-fundamentals/b_ACI-Fundamentals/b_ACI-Fundamentals_chapter_010011.html

NEW QUESTION 9

Refer to the exhibit.



Which two components should be configured as route reflectors in the ACI fabric? (Choose two.)

- A. Spine1
- B. apic1

- C. Spine2
- D. Leaf1
- E. Leaf2
- F. apic2

Answer: AC

NEW QUESTION 10

Which two types of interfaces are supported on border leaf switches to connect to an external router? (Choose two.)

- A. subinterface with VXLAN tagging
- B. subinterface with 802.1Q tagging
- C. FEX host interface
- D. out of band interface
- E. Switch Virtual Interface

Answer: BE

NEW QUESTION 10

An engineer is extending an EPG out of the ACI fabric using static path binding. Which statement about the endpoints is true?

- A. Endpoints must connect directly to the ACI leaf port.
- B. External endpoints are in a different bridge domain than the endpoints in the fabric.
- C. Endpoint learning encompasses the MAC address only.
- D. External endpoints are in the same EPG as the directly attached endpoints.

Answer: C

NEW QUESTION 15

Refer to the exhibit.

```
<fvTenant name="ACILab">
  <fvCtx name="pvn1"/>
  <fvBD name="bd1">
    <fvRsCtx tnFvCtxName="pvn1"/>
    <fvSubnet ip="10.1.100.1/24"/>
  </fvBD>
</fvTenant>
```

Which two objects are created as a result of the configuration? (Choose two.)

- A. application profile
- B. attachable AEP
- C. bridge domain
- D. endpoint group
- E. VRF

Answer: CE

Explanation:

Reference: https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/2-x/rest_cfg/2_1_x/b_Cisco_APIC_REST_API_Configuration_Guide/b_Cisco_APIC_REST_API_Configuration_Guide_chapter_01110.html

NEW QUESTION 17

An engineer configured Layer 2 extension from the ACI fabric and changed the Layer 2 unknown unicast policy from Flood to Hardware Proxy. How does this change affect the flooding of the L2 unknown unicast traffic?

- A. It is forwarded to one of the spines to perform as a spine proxy.
- B. It is flooded within the whole fabric.
- C. It is dropped by the leaf when the destination endpoint is not present in the endpoint table.
- D. It is forwarded to one of the APICs to perform as a proxy.

Answer: A

Explanation:

Reference: https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/2-x/L2_config/b_Cisco_APIC_Layer_2_Configuration_Guide/b_Cisco_APIC_Layer_2_Configuration_Guide_chapter_010.html

NEW QUESTION 20

Which action sets Layer 2 loop migration in an ACI Fabric with a Layer 2 Out configured?

- A. Enable MCP on the ACI fabric.
- B. Disable STP in the external network.
- C. Disable STP on the ACI fabric.
- D. Enable STP on the ACI fabric.

Answer: A

NEW QUESTION 22

An engineer is implementing a connection that represents an external bridged network. Which two configurations are used? (Choose two.)

- A. Layer 2 remote fabric
- B. Layer 2 outside
- C. Layers 2 internal
- D. Static path binding
- E. VXLAN outside

Answer: AB

NEW QUESTION 25

Which two actions extend a Layer 2 domain beyond the ACI fabric? (Choose two.)

- A. extending the routed domain out of the ACI fabric
- B. creating a single homed Layer 3 Out
- C. creating an external physical network
- D. extending the bridge domain out of the ACI fabric
- E. extending the EPG out of the ACI fabric

Answer: AE

NEW QUESTION 29

On which two interface types should a user configure storm control to protect against broadcast traffic? (Choose two.)

- A. APIC facing interfaces
- B. port channel on a single leaf switch
- C. all interfaces on the leaf switches in the fabric
- D. endpoint-facing trunk interface
- E. fabric uplink interfaces on the leaf switches

Answer: BD

Explanation:

Reference: https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/2-x/L2_config/b_Cisco_APIC_Layer_2_Configuration_Guide/b_Cisco_APIC_Layer_2_Configuration_Guide_chapter_01010.html

NEW QUESTION 30

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

Answer: AE

Explanation:

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

NEW QUESTION 31

Regarding the MTU value of MP-BGP EVPN control plane packets in Cisco ACI, which statement about communication between spine nodes in different sites is true?

- A. By default, spine nodes generate 9000-bytes packets to exchange endpoints routing informatio
- B. As a result, the Inter-Site network should be able to carry 9000-bytes packets.
- C. By default, spine nodes generate 1500-bytes packets to exchange endpoints routing informatio
- D. As a result, the Inter-Site network should be able to carry 1800-bytes packets.
- E. By default, spine nodes generate 1500-bytes packets to exchange endpoints routing informatio
- F. As a result, the Inter-Site network should be able to carry 1500-bytes packets.
- G. By default, spine nodes generate 9000-bytes packets to exchange endpoints routing informatio
- H. As a result, the Inter-Site network should be able to carry 9100-bytes packets.

Answer: D

NEW QUESTION 36

When configuring Cisco ACI VMM domain integration with VMware vCenter, which object is created in vCenter?

- A. datacenter
- B. VMware vSphere Standard vSwitch
- C. VMware vSphere Distributed Switch
- D. cluster

Answer: C

NEW QUESTION 38

DRAG DROP

Drag and drop the Cisco ACI Layer 4 to Layer 7 service insertion terms on the left to the correct descriptions on the right.

concrete interfaces	ensures reachability between L3 domains
service graph	rendered with local resources that are available in the fabric
device cluster	contains an active-standby pair of firewalls or load balancers
VRF stitching	encapsulations programmed based on their association with logical interfaces

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

concrete interfaces	VRF stitching
service graph	service graph
device cluster	device cluster
VRF stitching	concrete interfaces

NEW QUESTION 41

Which tenant is used when configuring in-band management IP addresses for Cisco APICs, leaf nodes, and spine nodes?

- A. default
- B. infra
- C. common
- D. mgmt

Answer: D

Explanation:

Reference: https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/kb/b_KB_Configuring_Static_Management_Access.html#concept_CFF63FEBE947424291B0F10E6F23DA7D

NEW QUESTION 44

Which new construct must a user create when configuring in-band management?

- A. VLAN pool
- B. management contract
- C. management tenant
- D. bridge domain

Answer: D

Explanation:

Reference: https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/kb/b_KB_Configuring_Static_Management_Access.html

NEW QUESTION 49

Refer to the exhibit.

Edit Stats Threshold

transmit B2B credit cumulative

Normal Value:

Threshold Direction: Both Rising Falling

Rising Thresholds to Config: ☒ ☐

☒ Critical
☐ Major
☐ Minor
☒ Warning

Rising

Set

Reset

Critical

Major

Minor

Warning

A client reports that the ACI domain connectivity to the fiber channel storage is experiencing a B2B credit oversubscription. The environment has a SYSLOG server for state collection messages. Which value should be chosen to clear the critical fault?

- A. 300
- B. 410
- C. 350
- D. 510

Answer: B

NEW QUESTION 53

A data center administrator is upgrading an ACI fabric. There are 3 APIC controllers in the fabric and all the servers are dual-homed to pairs of leaf switches configured in VPC mode. How should the fabric be upgraded to minimize possible traffic impact during the upgrade?

- A. * 1. Create two maintenance groups for the APIC controllers: VPC left and VPC right.* 2. Upgrade the first group of controllers.* 3. Upgrade the second group of controllers.* 4. Upgrade the leaf switches.
- B. * 1. Create two maintenance groups for APIC controllers: VPC left and VPC right.* 2. Upgrade the leaf switches.* 3. Upgrade the first group of controllers.* 4. Upgrade the second group of controllers.
- C. * 1. Create two maintenance groups for the leaf switches: VPC left and VPC right.* 2. Upgrade the APIC controllers.* 3. Upgrade the first group of leaf switches.* 4. Upgrade the second group of leaf switches.
- D. * 1. Create two maintenance groups for the leaf switches: VPC left and VPC right.* 2. Upgrade the first group of switches.* 3. Upgrade the second group of switches.* 4. Upgrade the APIC controllers.

Answer: D

NEW QUESTION 57

Which two protocols support accessing backup files on a remote location from the APIC? (Choose two.)

- A. TFTP
- B. FTP
- C. SFTP
- D. SMB
- E. HTTPS

Answer: BC

Explanation:

Reference: https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/troubleshooting/b_APIC_Troubleshooting/b_APIC_Troubleshooting_appendix_010011.html

NEW QUESTION 58

In the context of ACI Multi-Site, when is the information of an endpoint (MAC/IP) that belongs to site 1 advertised to site 2 using the EVPN control plane?

- A. Endpoint information is not exchanged across sites unless COOP protocol is used.
- B. Endpoint information is not exchanged across sites unless a policy is configured to allow communication across sites.
- C. Endpoint information is exchanged across sites as soon as the endpoint is discovered in one site.
- D. Endpoint information is exchanged across sites when the endpoints are discovered in both sites.

Answer: A

Explanation:

Reference: <https://www.cisco.com/c/en/us/solutions/collateral/data-center-virtualization/application-centric-infrastructure/white-paper-c11-739609.html#CiscoACIMultiSiteoverlaydataplane>

NEW QUESTION 61

Which statement regarding ACI Multi-Pod and TEP pool is true?

- A. The IP addresses used in the IPN network can overlap TEP pool of the APIC.
- B. A different TEP pool must be assigned to each Pod.
- C. The Pod1 TEP pool must be split and a portion of the TEP pool allocated to each Pod.
- D. The same TEP pool is used in all Pods.

Answer: B

Explanation:

Reference: <https://www.cisco.com/c/en/us/solutions/collateral/data-center-virtualization/application-centric-infrastructure/white-paper-c11-739714.html>

NEW QUESTION 66

What are two requirements for the IPN network when implementing a Multi-Pod ACI fabric? (Choose two.)

- A. EIGRP routing
- B. PIM ASM multicast routing
- C. BGP routing
- D. VLAN ID 4
- E. OSPF routing

Answer: AE

NEW QUESTION 71

A Solutions Architect is asked to design two data centers based on Cisco ACI technology that can extend L2/L3, VXLAN, and network policy across locations. ACI Multi-Pod has been selected. Which two requirements must be considered in this design? (Choose two.)

- A. ACI underlay protocols, i.
- B. COOP, IS-IS and MP-BGP, spans across pod
- C. Create QoS policies to make sure those protocols have higher priority.
- D. A single APIC Cluster is required in a Multi-Pod design
- E. It is important to place the APIC Controllers in different locations in order to maximize redundancy and reliability.
- F. ACI Multi-Pod requires an IP Network supporting PIM-Bidir.
- G. ACI Multi-Pod does not support Firewall Clusters across Pod
- H. Firewall Clusters should always be local.
- I. Multi-Pod requires multiple APIC Controller Clusters, one per pod
- J. Make sure those clusters can communicate to each other through a highly available connection.

Answer: AE

NEW QUESTION 74

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