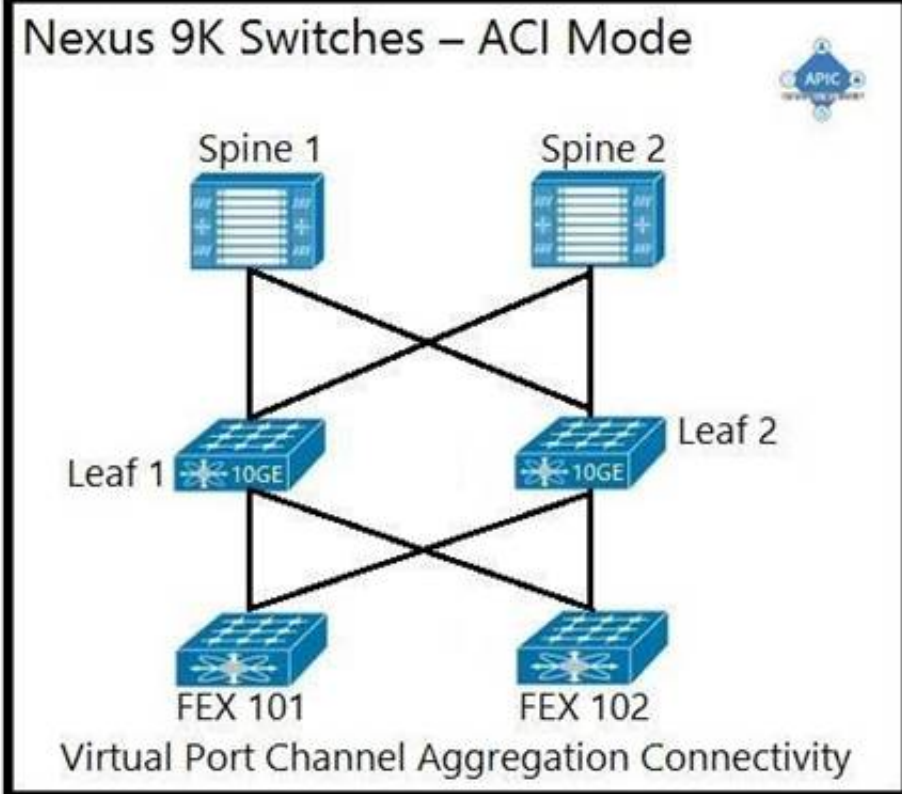# Cisco

Exam Questions 300-620

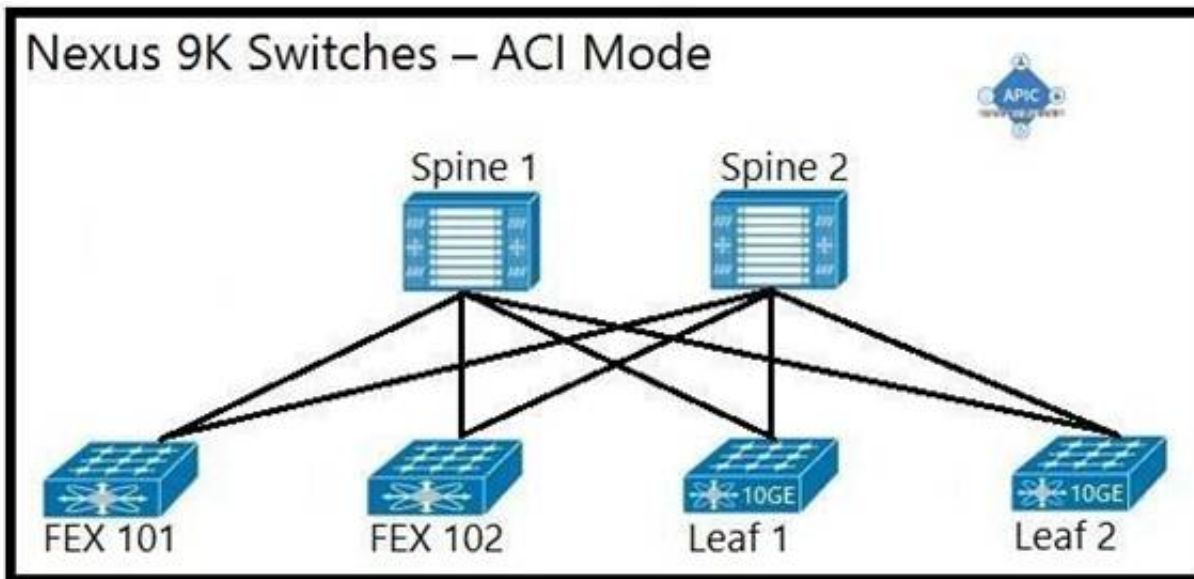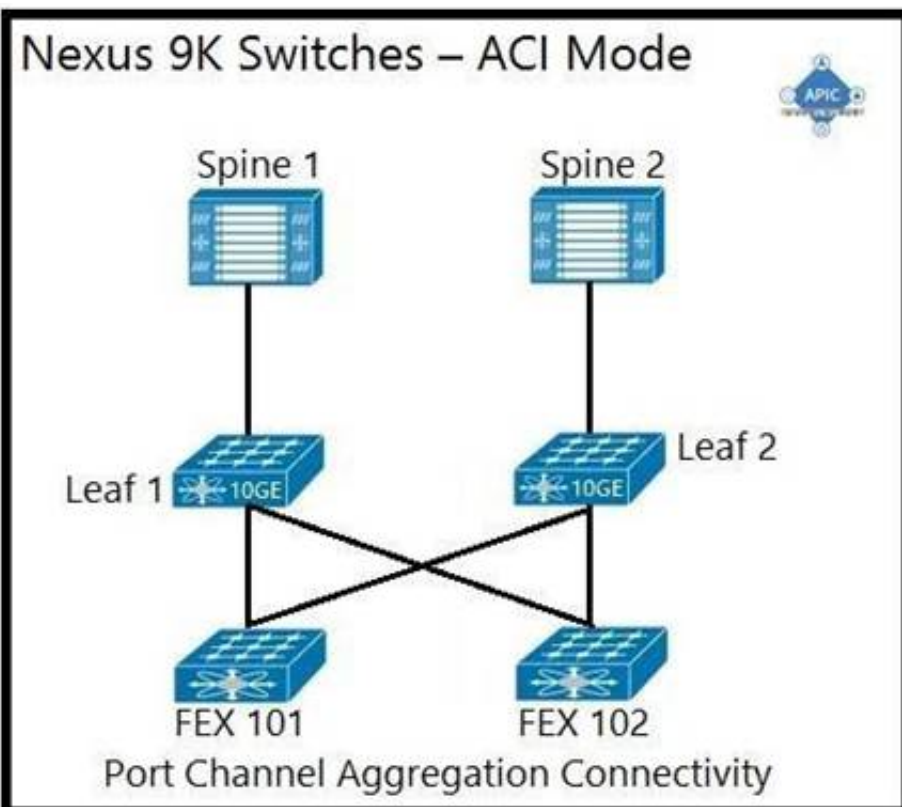Implementing Cisco Application Centric Infrastructure (DCACI)

NEW QUESTION 1
An engineer is implementing a Cisco ACI data center network that includes Cisco Nexus 2000 Series 10G fabric extenders. Which physical topology is supported?
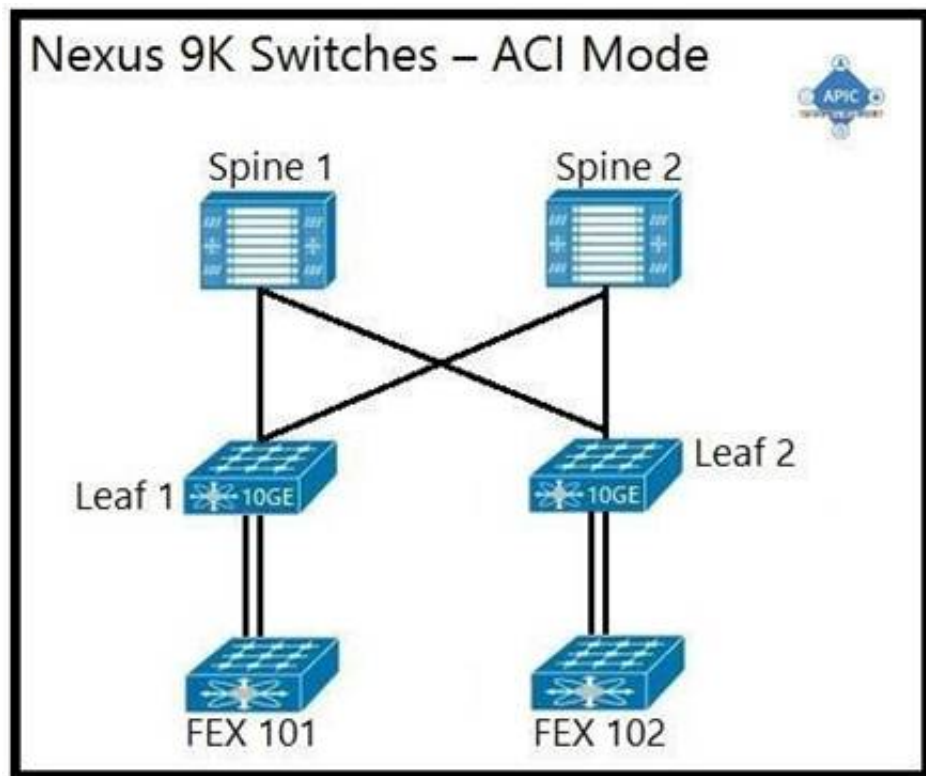
A.

B.

C.

A.

Answer: D

NEW QUESTION 2
An engineer is creating a configuration import policy that must terminate if the imported configuration is incompatible with the existing system. Which import mode achieves this result?

A. merge
B. atomic
C. best effort
D. replace

Answer: B

Explanation:
Reference: https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/4-x/aci-fundamentals/Cisco-ACI-Fundamentals-401/Cisco-ACI-Fundamentals-401_chapter_01011.html

NEW QUESTION 3
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 4
A RADIUS user resolves its role via the Cisco AV Pair. What object does the Cisco AV Pair resolve to?

A. tenant
B. security domain
C. primary Cisco APIC
D. managed object class

Answer: D

Explanation:
Reference: https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/2-x/Security_config/b_Cisco_APIC_Security_Configuration_Guide/b_Cisco_APIC_Security_Guide_chapter_01011.html

NEW QUESTION 5
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.dclessons.com/l2-external-network-with-aci

NEW QUESTION 6
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 7
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 8
Which endpoint learning operation is completed on the egress leaf switch when traffic is received from an L3Out?

A. The source MAC and IP address of the traffic is learned as a local endpoint.
B. The source MAC address of the traffic is learned as a remote endpoint.

C. No source MAC or IP address of the traffic is learned as a remote endpoint.
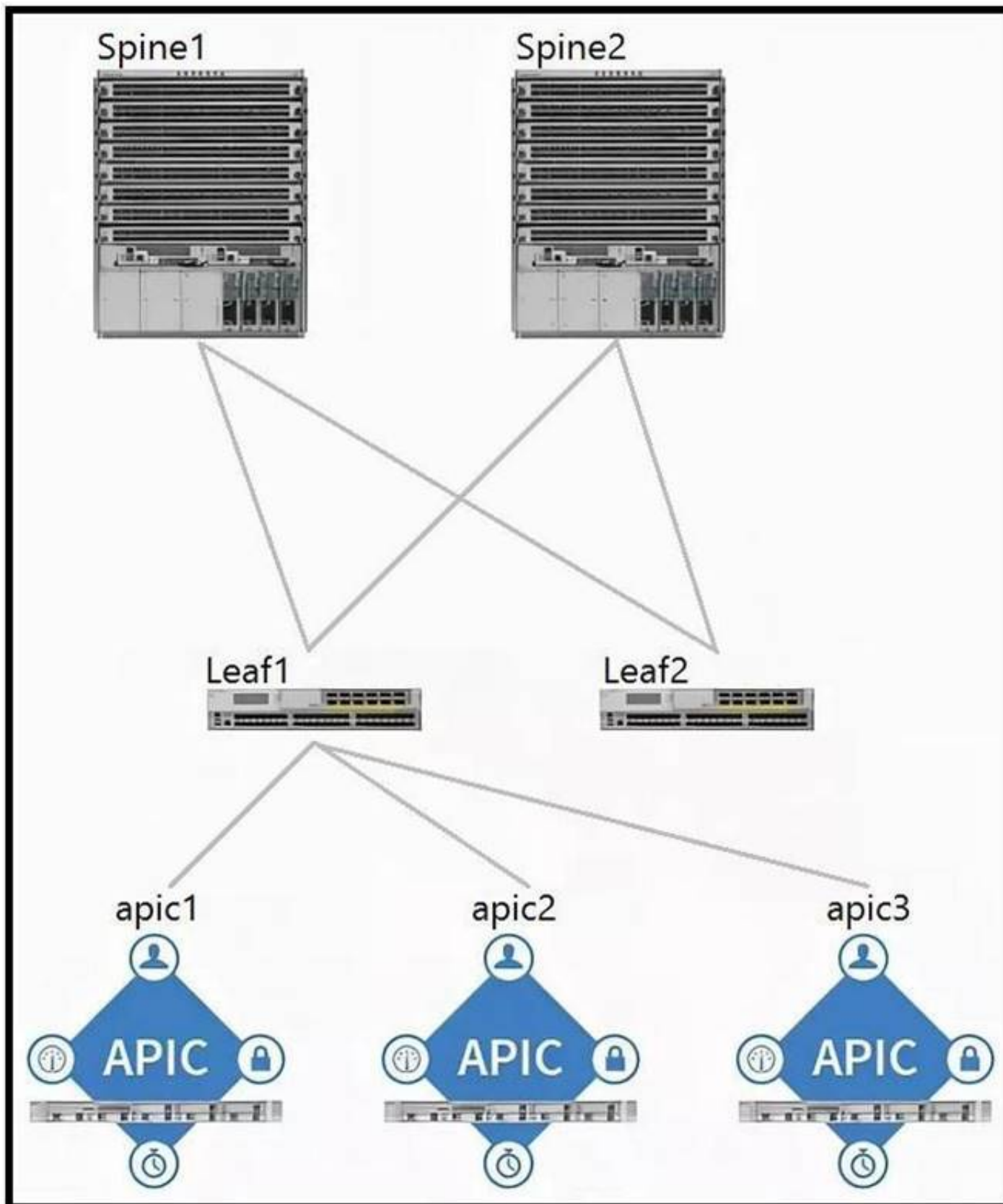D. The source IP address of the traffic is learned as a remote endpoint.

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 9
An engineer is extending EPG connectivity to an external network. The external network houses the Layer 3 gateway and other end hosts. Which ACI bridge domain configuration should be used?

A. Forwarding: CustomL2 Unknown Unicast: Hardware Proxy L3 Unknown Multicast Flooding: Flood Multi Destination Flooding: Flood in BD ARP Flooding: Enabled
B. Forwarding: Custom L2 Unknown Unicast: FloodL3 Unknown Multicast Flooding: Flood Multi Destination Flooding: Flood in BD ARP Flooding: Enabled
C. Forwarding: CustomL2 Unknown Unicast: Hardware Proxy L3 Unknown Multicast Flooding: Flood Multi Destination Flooding: Flood in BD ARP Flooding: Disabled
D. Forwarding: Custom L2 Unknown Unicast: FloodL3 Unknown Multicast Flooding: Flood Multi Destination Flooding: Flood in BD ARP Flooding: Disabled

Answer: D

NEW QUESTION 10
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 10
When Cisco ACI connects to an outside Layers 2 network, where does the ACI fabric flood the STP BPDU frame?

A. within the bridge domain
B. within the APIC
C. within the access encap VLAN
D. between all the spine and leaf switches

Answer: A

Explanation:
Reference: https://www.cisco.com/c/en/us/solutions/collateral/data-center-virtualization/application-centric-infrastructure/white-paper-c07-732033.html#_Toc395143571

NEW QUESTION 13
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 15
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 19
What must be configured to redistribute externally learned OSPF routes within the ACI fabric?

A. Route Control Profile
B. BGP Route Reflector
C. BGP Inter-leak Route Map
D. PIM Sparse Mode

Answer: B

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
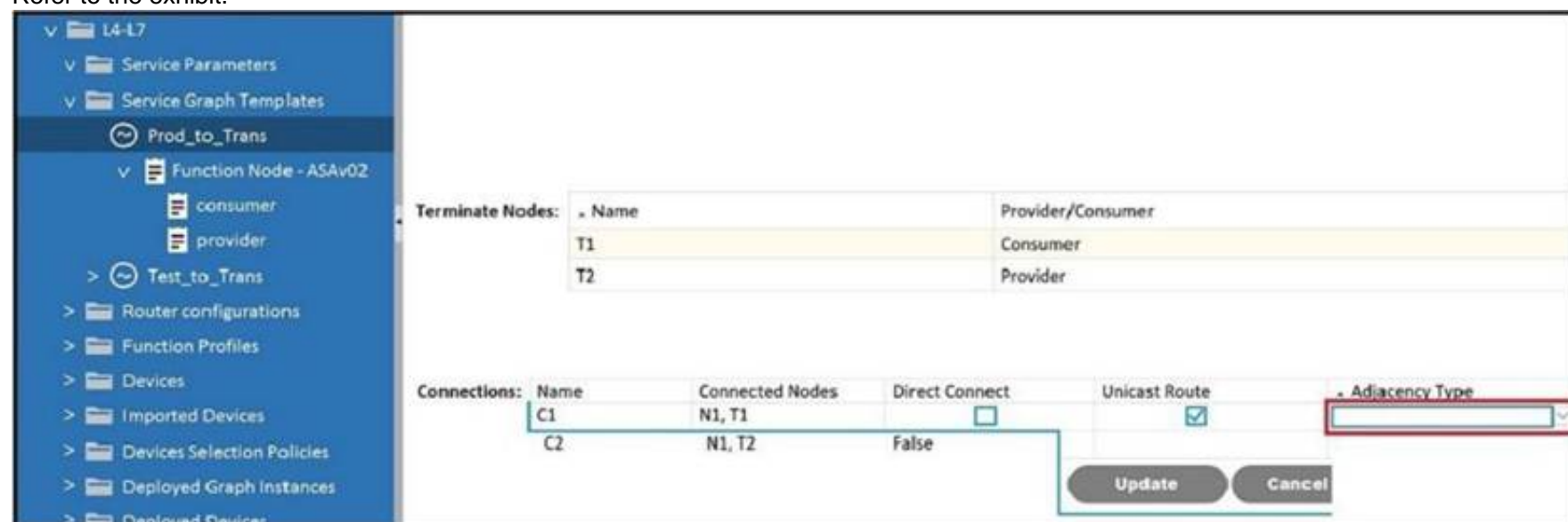_010010.html

NEW QUESTION 22
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 27
Refer to the exhibit.

Which Adjacency Type value should be set when the client endpoint and the service node interface are in a different subnet?

A. Routed
B. Unicast
C. L3Out
D. L3

Answer: D

NEW QUESTION 29
Refer to the exhibit.

Create vCenter Domain

vCenter Credentials:

Profile name	Username	Description
Lab-VCenter	admin	

vCenter:

Name	IP	Type	Stats Collection
Lab-VCenter	vcenter.aci.lab	vCenter	Disabled

Port Channel Mode: select a value

Static Channel – Mode On
LACP Active
LACP Passive
MAC Pinning+
MAC Pinning-Physical-NIC-load

Cancel   Submit

An engineer is implementing Cisco ACI – VMware vCenter integration for a blade server that lacks support of bonding. Which port channel mode results in "route based on originating virtual port" on the VMware VDS?

A. Static Channel – Mode On
B. MAC Pinning-Physical-NIC-load
C. LACP Passive
D. MAC Pinning+
E. LACP Active

Answer: D

NEW QUESTION 34
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 39
In the context of VMM, which protocol between ACI leaf and compute hosts ensures that the policies are pushed to the leaf switches for immediate and on demand resolution immediacy?

A. VXLAN
B. LLDP
C. ISIS
D. STP

Answer: A

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_0101.html

NEW QUESTION 40
What represents the unique identifier of an ACI object?

A. universal resource identifier (URI)
B. application programming interface
C. management information tree
D. distinguished name

Answer: D

Explanation:
Reference: https://www.slideshare.net/CiscoDevNet/introduction-to-aci-apis

NEW QUESTION 43
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 48
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 52
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 57
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 62
Which two statements regarding ACI Multi-Site are true? (Choose two.)

A. The Multi-Site orchestrator must be directly attached to one ACI leaf.
B. Routers in the Inter-Site network must run OSPF, DHCP relay, and MP-BGP.
C. ACI Multi-Site is a solution that supports a dedicated APIC cluster per site.
D. ACI Multi-Site is a solution that allows one APIC cluster to manage multiple ACI sites.
E. The Inter-Site network routers should run OSPF to establish peering with the spines.

Answer: AE

NEW QUESTION 66
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