



300-630^{Q&As}

Implementing Cisco Application Centric Infrastructure - Advanced
(DCACIA)

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QUESTION 1

What is the purpose of the Forwarding Tag (FTAG) in Cisco ACI?

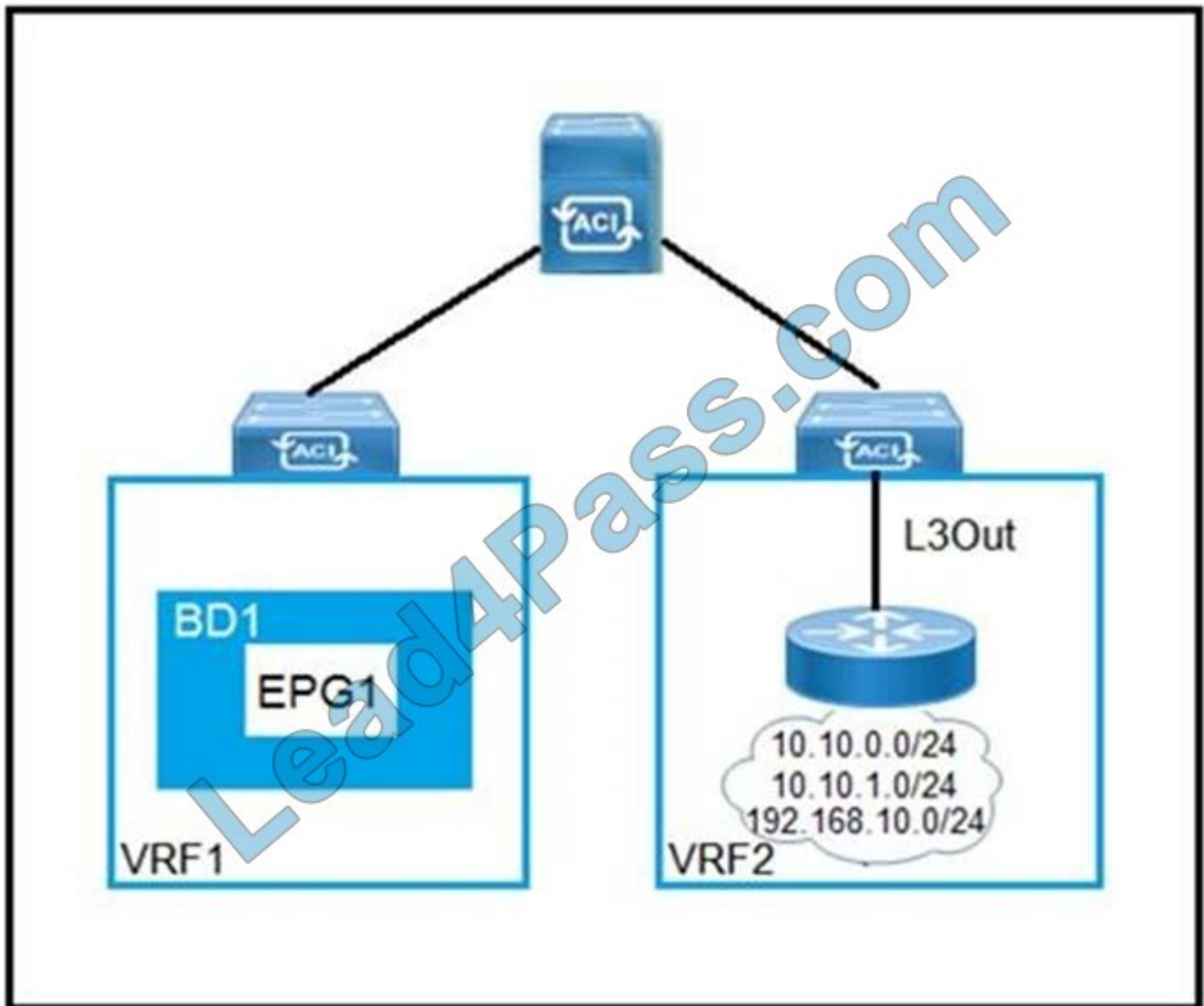
- A. FTAG is used in Cisco ACI to add a label to the iVXLAN traffic in the fabric to apply the correct policy.
- B. FTAG is used in Cisco ACI to add a label to the VXLAN traffic in the fabric to apply the correct policy.
- C. FTAG trees in Cisco ACI are used to load balance unicast traffic.
- D. FTAG trees in Cisco ACI are used to load balance mutli-destination traffic.

Correct Answer: D

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_010010.html#concept_1E8BF286E1C043EF839D80935FDF9F50

QUESTION 2

DRAG DROP



Refer to the exhibit. Drag and drop the subnets and flags from the left into the External Network Instance Profile policies on the right to create a setup that advertises only 10.10.0.0/24 and 10.10.1.0/24 prefixes in VRF1 and establishes connectivity between VRFs. Not all options are used.

Select and Place:



Answer Area

- 10.10.0.0/16
- 10.10.0.0/23
- 0.0.0.0/0
- External Subnets for the External EPG
- Export Route Control Subnet
- Shared Route Control Subnet
- Import Route Control Subnet
- Shared Security Import Subnet
- Aggregate Export
- Aggregate Import
- Aggregate Shared

IP Address

IP Address

Scope

Scope 1

Scope 2

Scope 3

Aggregate

Aggregate

Correct Answer:



Answer Area

	IP Address
10.10.0.0/23	10.10.0.0/16
0.0.0.0/0	Scope
	Shared Route Control Subnet
Export Route Control Subnet	Shared Security Import Subnet
	External Subnets for the External EPG
Import Route Control Subnet	Aggregate
	Aggregate Shared
Aggregate Export	
Aggregate Import	

QUESTION 3

What is a use of the Overlay Multicast TEP in Cisco ACI Multi-Site communication?

- A. to perform headend replication
- B. to act as the source IP for BUM traffic
- C. to establish MP-BGP adjacencies with remote spines
- D. to send and receive unicast VXLAN data plane traffic



Correct Answer: B

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

QUESTION 4

What is a design implication for Cisco ACI using an application-centric approach?

- A. Multiple VLANs and/or multiple EPGs are under one bridge domain
- B. VLAN numbers are in the names of the bridge domain and EPG objects
- C. One EPG is mapped to multiple bridge domains
- D. One VLAN equals one EPG equals one bridge domain

Correct Answer: C

QUESTION 5

An engineer configures a new Cisco ACI Multi-Site Orchestrator node to join an MSO cluster. Which two components are necessary to ensure that the new node has IP connectivity in this configuration? (Choose two.)

- A. Cisco ACI spine interfaces that are connected to ISN
- B. Cisco APICs over the OOB management network
- C. existing Cisco ACI Multi-Site Orchestrator node
- D. management IP of ESXi hosts where the controllers are deployed
- E. OOB interface of ISN

Correct Answer: BC

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

QUESTION 6

Cisco ACI fabric is migrated from network-centric mode to application-centric mode. What is possible in an application-centric design?

- A. remapping of VLAN pools
- B. migration of bare metal servers to virtual machines
- C. creation of additional EPGs under one bridge domain
- D. Cisco ACI VMM integration with hypervisors



Correct Answer: C

QUESTION 7

DRAG DROP

An engineer must migrate servers from a legacy data center infrastructure to a Cisco ACI fabric. Drag and drop the steps from the left into the order that they must be completed on the right to ensure the least amount of downtime.

Select and Place:

Answer Area

Extend Layer 2 connectivity from the legacy infrastructure to Cisco ACI. Move servers from the legacy infrastructure to Cisco ACI leaf switches	Step 1
Shut SVI on the legacy infrastructure and enable bridge domain unicast routing on Cisco ACI	Step 2
Decommission the legacy infrastructure	Step 3
Configure Cisco ACI. Define access policies, tenants, and bridge domain with unicast routing disabled. Map each VLAN to an EPG.	Step 4

Correct Answer:



Answer Area

Shut SVI on the legacy infrastructure and enable bridge domain unicast routing on Cisco ACI

Configure Cisco ACI: Define access policies, tenants, and bridge domain with unicast routing disabled. Map each VLAN to an EPG.

Extend Layer 2 connectivity from the legacy infrastructure to Cisco ACI. Move servers from the legacy infrastructure to Cisco ACI leaf switches

Decommission the legacy infrastructure

QUESTION 8

What does the VXLAN source port add to the overlay packet forwarding when it uses the hash of Layer 2, Layer 3, and Layer 4 headers of the inner packet?

- A. ECMP
- B. TCP optimization
- C. disabled fragmentation
- D. jumbo frames

Correct Answer: A

Reference: <https://www.cisco.com/c/en/us/support/docs/lan-switching/vlan/212682-virtual-extensible-lan-and-ethernet-virt.html>

QUESTION 9

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?



- 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.

Correct Answer: B

QUESTION 10

An engineer must limit local and remote endpoint learning to the bridge domain subnet. Which action should be taken inside the Cisco APIC?

- A. Disable Remote EP Learn
- B. Enable Enforce Subnet Check
- C. Disable Endpoint Dataplane Learning
- D. Enable Limit IP Learning to Subnet

Correct Answer: B

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

QUESTION 11

What are two characteristics of network-centric design in Cisco ACI? (Choose two.)

- A. There is open communication between EPGs
- B. EPGs are used for microsegmentation
- C. EPGs are different security zones
- D. Applications define the network requirements
- E. A bridge domain has one subnet and one EPG

Correct Answer: BE

QUESTION 12

Which feature should be disabled on a bridge domain when a default gateway for endpoints is on an external device instead of a Cisco ACI bridge domain SVI?

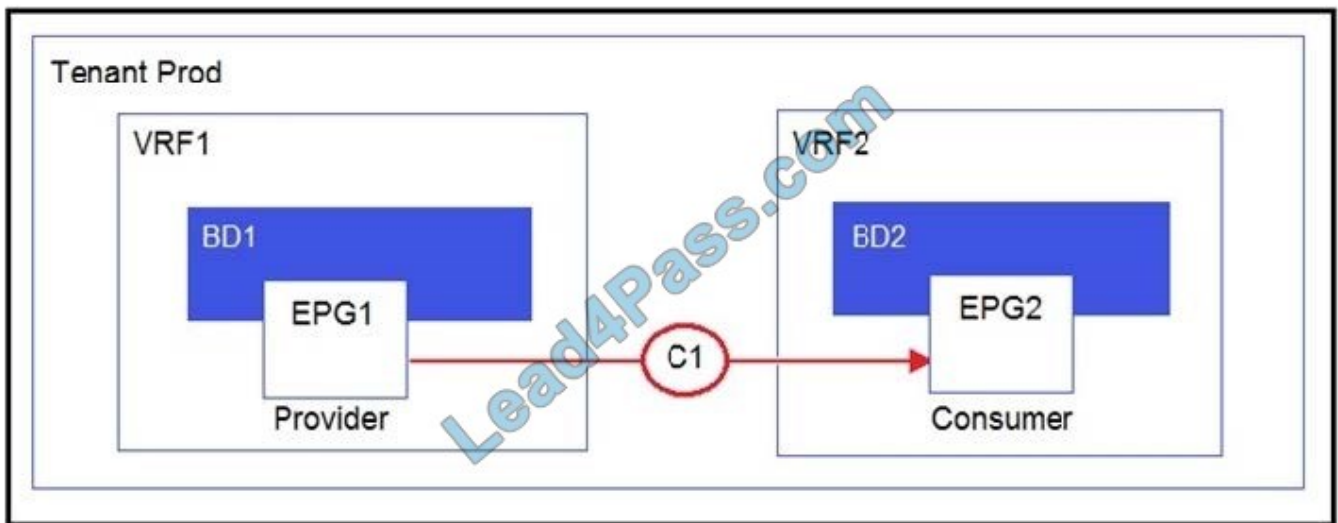
- A. unicast routing



- B. ARP flooding
- C. unknown unicast flooding
- D. proxy ARP

Correct Answer: C

QUESTION 13



Refer to the exhibit. Which two configurations enable inter-VRF communication? (Choose two.)

- A. Set the subnet scope to Shared Between VRFs
- B. Enable Advertise Externally under the subnet scope
- C. Change the contract scope to Tenant
- D. Change the subject scope to VRF
- E. Export the contract and import as a contract interface

Correct Answer: BE

QUESTION 14

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?

- A. spine headend replication
- B. BIDIR-PIM
- C. MP-BGP

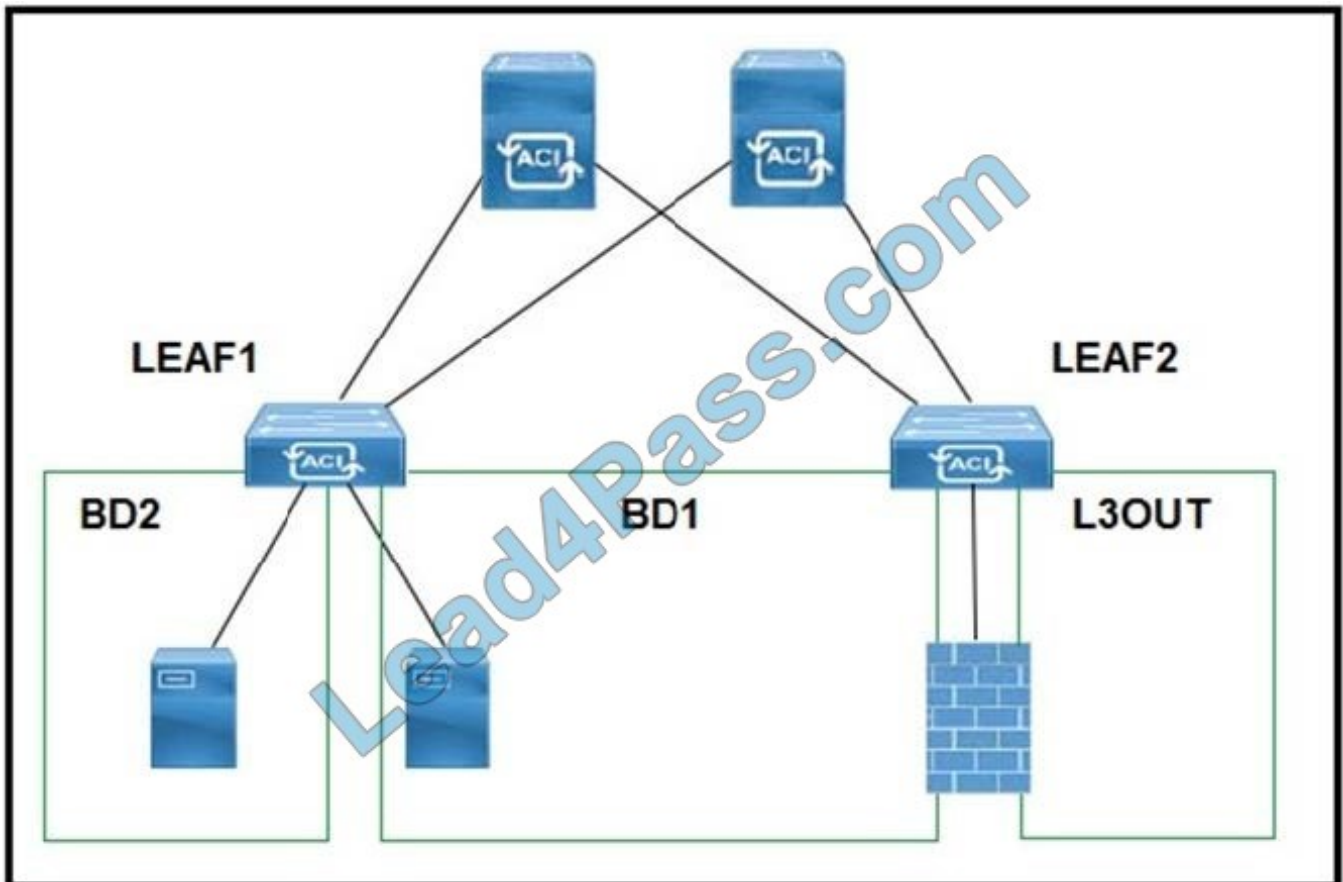


D. MSDP

Correct Answer: B

Reference: <https://www.cisco.com/c/en/us/solutions/collateral/data-center-virtualization/application-centric-infrastructure/white-paper-c11-737855.html>

QUESTION 15



Refer to the exhibit. A customer experiences resource overconsumption on one of its border leaf switches. Which action should be taken to reduce the consumption on this switch?

- A. Disable VRF Policy Control Enforcement
- B. Disable IP Data Plane Learning
- C. Migrate L3Outs to another switch
- D. Disable Remote EP Learning

Correct Answer: B



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