

➤ **Vendor: Cisco**

➤ **Exam Code: 300-610**

➤ **Exam Name: Designing Cisco Data Center Infrastructure (DCID)**

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QUESTION 23

Cisco FabricPath is implemented in a data center. You plan to implement anycast HSRP. What is an advantage of anycast HSRP as compared HSRPv2?

- A. Up to four HSRP gateways can forward traffic simultaneously.
- B. HSRP gateways use BFD for faster failure detection
- C. An HSRP group can be secured by using MD5.
- D. Up to six HSRP gateways can forward traffic simultaneously.

Answer: A

QUESTION 24

Which two statements about OTV are true? (Choose two.)

- A. OTV join interfaces must be physical interfaces.
- B. OTV supports authentication of hello messages and control plane PDUs.
- C. Multicast support in the transport network is a strict requirement to establish OTV adjacencies.
- D. All OTV overlay interfaces must use the same join interface.
- E. OTV forwards and processes spanning-tree BPDUs between sites to ensure a loop-free topology.
- F. OTV propagates MAC address reachability information via the underlying IS-IS control-plane.

Answer: BF

QUESTION 25

Which components share a physical interface in a VDC deployment?

- A. two VDCs for Ethernet traffic
- B. storage VDC for FCoE traffic and a VDC for Ethernet traffic
- C. two storage VDCs for FCoE traffic
- D. interface VLAN and a VDC

Answer: B

QUESTION 26

Which protocol prevents fiber failures from causing a Layer 2 loop in a dark fiber DCI?

- A. BFD
- B. UDLD
- C. MCP
- D. LLDP

Answer: B

QUESTION 27

What are two characteristics of VRF-Lite on the Cisco NX-OS platform? (Choose two.)

- A. Layer 3 interfaces can belong to multiple VRFs.
- B. VRF-Lite interfaces can be Layer 2.
- C. Overlapping IP addresses are permitted on different VRFs.
- D. Interfaces that belong to VRFs can be physical or logical.
- E. VRF-Lite interfaces support MPLS.

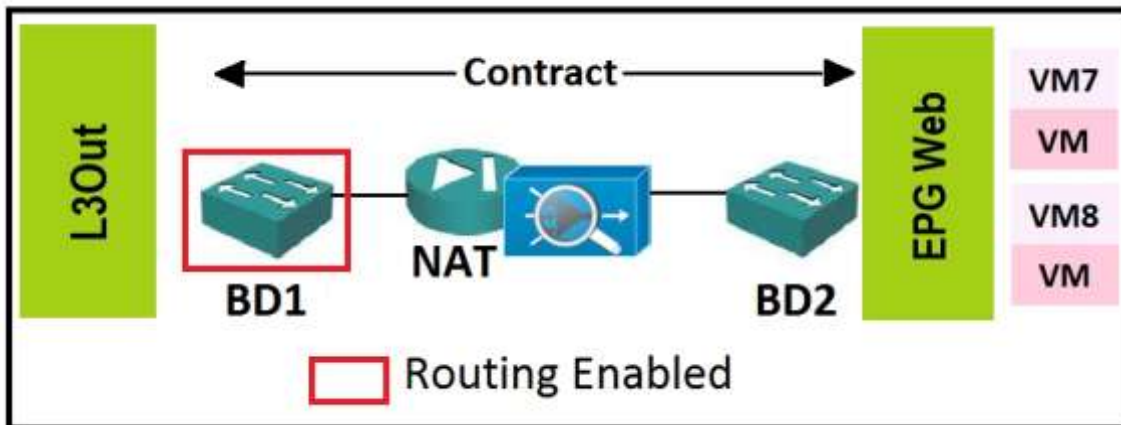
Answer: CD

Explanation:

https://www.cisco.com/c/en/us/td/docs/routers/connectedgrid/cgr1000/ios/software/15_4_1_cg/vrf_cgr1000.html

QUESTION 28

Refer to the exhibit. What must be the default gateway of the servers in EPG Web?



- A. subnet address of BD1
- B. subnet address of L3Out
- C. subnet address of BD2
- D. NAT appliance

Answer: D

QUESTION 29

Which element is the main functional component of the architecture that separates the internal fabric and the external network that connects sites when VXLAN EVPN is deployed multisite?

- A. border leaf
- B. service leaf
- C. border gateway
- D. service gateway

Answer: C

Explanation:

https://dcloud-cms.cisco.com/demo_news/cisco-dcnm-11-3-for-vxlan-evpn-multi-site-deployments-lab-v1

QUESTION 30

Which feature must be configured to connect a classical Ethernet network to a data center network so that the data center network appears to be one large switch.

- A. VPC+
- B. UDLD
- C. EVPN
- D. OSPF

Answer: C

QUESTION 31

When planning to deploy a load-balancing service as a managed node, which ACI configuration must be included?

- A. BGP ECMP
- B. Layer 4 to Layer 7 device package
- C. inline load-balancing device
- D. ITD

Answer: B

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_0110.html

QUESTION 32

What are two reasons to select OTV as the DCI solution to connect multisite topologies? (Choose two.)

- A. It propagates hosts reachability without support of traffic flooding.
- B. Layer 3 failures do not propagate beyond the OTV edge device.
- C. It extends the spanning tree between data centers.
- D. It is an open standard.
- E. It constrains HSRP hello messages to each data center.

Answer: BC

Explanation:

https://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/Data_Center/DCI/whitepaper/DCI3_OTV_Intro/DCI_1.html

QUESTION 33

Which technology enables Layer 2 extension between remote data center sites?

- A. FCIP
- B. GRE
- C. DMVPN
- D. OTV

Answer: D

Explanation:

<https://netcraftsmen.com/spanning-layer-2-between-data-centers/>