DUMPSARENA

Data Center Design. Specialist (JNCDS-DC)

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Version Demo

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QUESTION NO: 1

You are designing an EVPN/VXLAN overlay network for your data center. You are planning on reusing some of your existing devices that do not support VXLAN routing.

Which gateway model should be deployed to support this architecture?

A. spine gateway

B. leaf gateway

C. server based gateway

D. underlay gateway

ANSWER: A

QUESTION NO: 2

Which switch deployment solution will minimize server-to-switch cable lengths?

A. top-of-rack

B. middle-of-row

C. middle-of-rack

D. end-of-row

ANSWER: A

QUESTION NO: 3

You are designing an EVPN overlay architecture for your new data center fabric. You must ensure that the servers can be connected to multiple different leaf nodes.

Which feature must be configured to allow for this functionality?

A. Virtual Router Redundancy Protocol

B. Virtual Chassis

C. Ethernet segment identifier

D. multichassis LAG

ANSWER: D

QUESTION NO: 4

You are designing an IP fabric underlay using IBGP with the spines serving as route reflectors.

In this scenario, which BGP capability must be supported on the spines?

A. add-path

B. route-monitoring

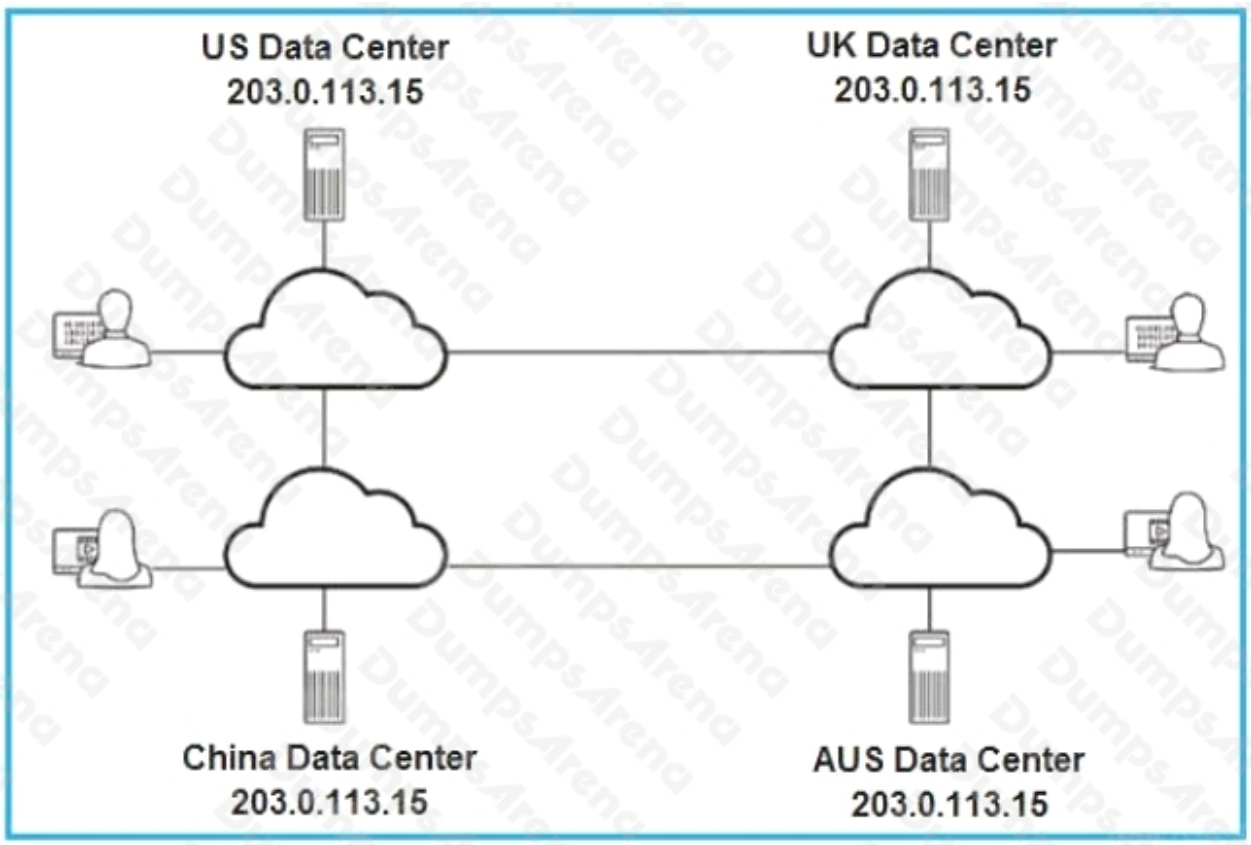
C. rib-sharding

D. route-refresh-priority

ANSWER: A

QUESTION NO: 5

Click the Exhibit button.



Which two statements about the redundancy design shown in the exhibit are true? (Choose two.)

A. User traffic must be policy-routed to the active data center.

B. Multicast IP addressing is in use.

C. Inter-server traffic must use an alternate IP address.

D. Anycast IP addressing is in use.

ANSWER: C D

QUESTION NO: 6

Which two Layer 2 Data Center Interconnect redundancy options support active/active forwarding? (Choose two.)

A. VPLS LAG

B. point-to-point LAG

C. EVPN multihoming

D. VPLS multihoming

ANSWER: C D

QUESTION NO: 7

Your company is deploying a private cloud based on OpenStack and has selected Contrail Networking as their SDN controller. The data center supporting this private cloud will use an IP fabric architecture consisting of QFX Series switches and MX Series routers.

Which two statements are true in this scenario? (Choose two.)

A. All vRouters maintain identical forwarding tables for all virtual networks.

B. SDN Gateway devices may contain per-tenant MAC and IP addresses.

C. Each vRouter maintains separate forwarding tables for various virtual networks.

D. Spine and leaf devices may contain per-tenant MAC and IP addresses.

ANSWER: B C

QUESTION NO: 8

When considering environmental conditions in a data center, which two statements are correct? (Choose two.)

A. The device air intake should face the cold aisle.

B. Relative humidity that is too low can cause water condensation.

C. Device exhaust fans should face the cold aisle.

D. The temperature should be measured at multiple heights.

ANSWER: A D

QUESTION NO: 9

You must design a data center (DC) connectivity solution for four data centers located in the US, Europe, Africa, and China.

Which three statements are correct in this scenario? (Choose three.)

A. VPLS can provide connectivity for four or more DC deployments.

B. LDP Layer 2 circuits learn MAC addresses in the data plane.

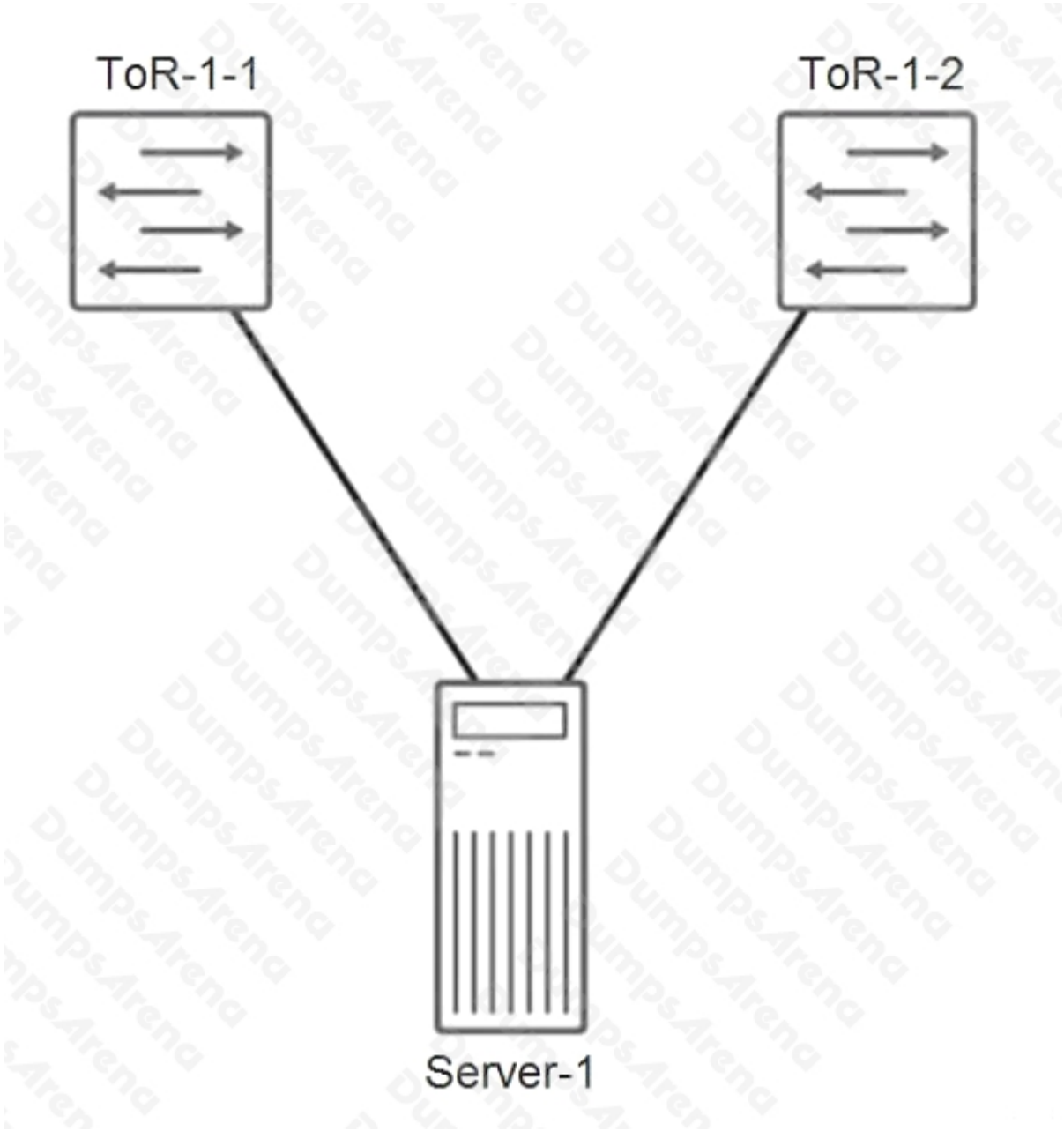
C. BGP Layer 2 VPNs are required due to latency requirements.

D. PE routers in an EVPN environment advertise MAC addresses using BGP.

E. EVPN can provide connectivity for four or more DC deployments.

ANSWER: A D E

QUESTION NO: 10



You are designing a data center where all your servers in each rack will be connected to two top-of-rack (ToR) switches using Layer 2, as shown in the exhibit. You must implement a high availability solution that maintains link layer connectivity to each server when one of the ToR switches fails.

In this scenario, which solution will accomplish this task?

A. VRRP

B. LAG

C. GRES with NSB

D. MC-LAG

ANSWER: D