

JN0-1301^{Q&As}

Data Center Design, Specialist (JNCDS-DC)

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QUESTION 1

A customer has selected QFX5110 switches. The initial installation will contain two switches located in racks about two meters apart.

What is the most cost-effective way to interconnect these switches?

- A. Use SMF between the racks and interconnect the switches with LX4 transceivers.
- B. Use a Virtual Chassis cable between the VCP cards.
- C. Use MMF between the racks and interconnect the switches with SR4 transceivers.
- D. Use a three-meter passive DAC cable between the racks and interconnect the switches with it.

Correct Answer: D

QUESTION 2

You are asked to create a new data center based on an IP fabric architecture. The data center must support many segmented applications that require Layer 2 adjacencies. You decide to use EVPN-VXLAN as an overlay technology to accomplish the task. To meet the requirements, each application will be placed in its own VLAN. In this scenario, what is required for communication between VLANs to occur?

- A. IBGP and Q-in-Q
- B. IBGP and MP-BGP
- C. IBGP and MPLS
- D. IBGP and GVRP

Correct Answer: B

QUESTION 3

Which two statements are true about IP fabrics? (Choose two.)

- A. IP-based applications do not require an overlay network to maintain connectivity.
- B. Applications that require security needs an overlay to provide the security.
- C. Applications that require Layer 2 adjacencies require an overlay network to maintain connectivity.
- D. IP fabrics can natively support both Layer 2 and Layer 3 applications.

Correct Answer: CD

QUESTION 4

When considering data center security, which component is often seen as unimportant but is really the first line of defense?

- A. guest access
- B. native VLAN configuration
- C. RBAC
- D. physical security

Correct Answer: A

QUESTION 5

You are designing a Layer 2 fabric implementation for a small data center and have chosen to implement a Virtual Chassis Fabric. You must accommodate two racks of servers with 1 Gbps connectivity, 10 racks of servers with 10 Gbps connectivity, and maintain a single management interface.

Which device would satisfy the requirements in this implementation?

- A. QFX5110
- B. QFX10002
- C. EX4600
- D. EX4300

Correct Answer: A

QUESTION 6

You plan to deploy a set of SRX Series devices in an active/passive chassis cluster with an active/active network infrastructure.

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

- A. This deployment scenario is recommended when firewall services are used extensively for north-south traffic.
- B. This deployment scenario is recommended when firewall services are used extensively for east-west traffic.
- C. End-host traffic is serviced through one SRX node during non-failure conditions.
- D. End-host traffic is serviced through both SRX nodes during non-failure conditions.

Correct Answer: AC

QUESTION 7

From a network management perspective, a Virtual Chassis consisting of five physical switches will appear as how many devices?

- A. 0
- B. 1
- C. 2
- D. 5

Correct Answer: B

QUESTION 8

Your data center uses a Virtual Chassis Fabric. The ToR switches have 48 ports and each rack supports 20 servers. Each server has two ports that are configured as a LAG.

You need to implement link level redundancy but you cannot use two ports on the same device for this redundancy.

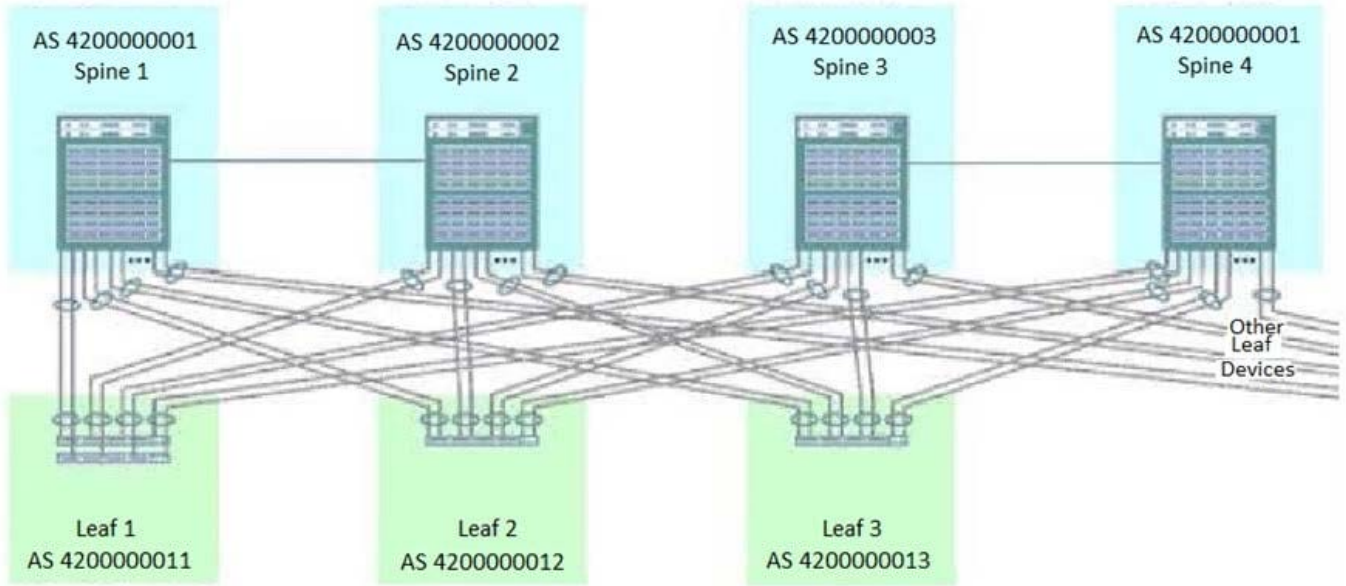
Which type of connection should you use to complete this task?

- A. MC-LAG
- B. RTG
- C. LAG
- D. ESI

Correct Answer: C

QUESTION 9

Click the Exhibit button. You are creating a resilient IP fabric for a data center based on a Clos architecture. Referring to the exhibit, which statement is true?



- A. A physical link must be added between spine 2 and spine 3 and between spine 1 and spine 4.
- B. Additional physical links between spine 1 and spine 2 and between spine 3 and spine 4 must be added for resiliency.
- C. No physical links need to be added or removed.
- D. The physical links between spine 1 and spine 2 and between spine 3 and spine 4 must be removed.

Correct Answer: D

QUESTION 10

You are asked to provide a data center design proposal. The customer wants each rack to be managed as a single unit with the shortest possible cable lengths.

Which deployment model meets these requirements?

- A. top of rack
- B. middle of rack
- C. middle of row
- D. end of row

Correct Answer: B

QUESTION 11

Which two characteristics describe the deployment of high-density chassis switches in a data center? (Choose two.)

- A. In EoR deployments, the switches are consolidated in one location.

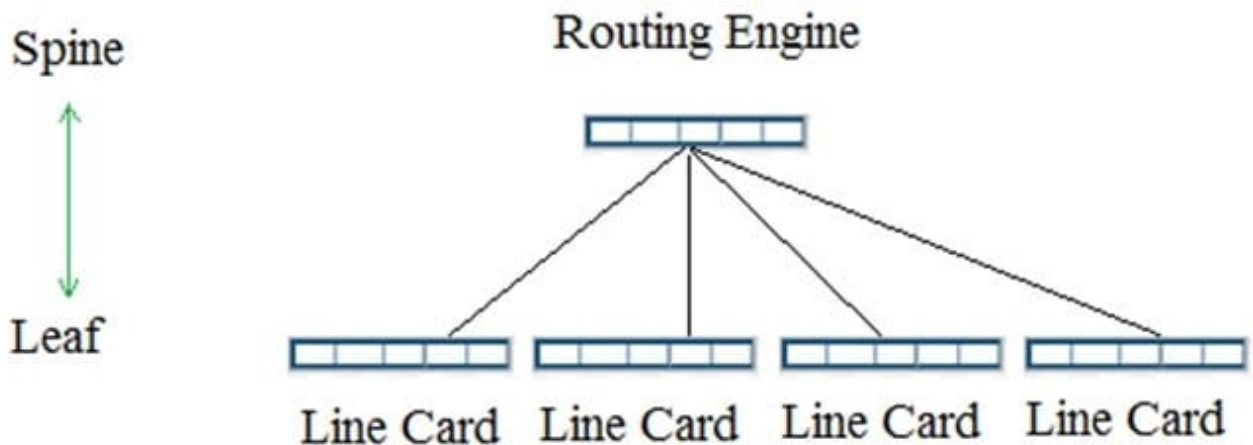
- B. The switches consume a great deal of power, cooling, and space.
- C. In ToR deployments, the switches provide more port connections, but with lower speeds.
- D. More switches are often needed to accommodate the number of server connections.

Correct Answer: BD

QUESTION 12

Click the Exhibit button.

Referring to the exhibit, what must you change to make the topology a supported Virtual Chassis Fabric design?



- A. Change the Routing Engine to a line card.
- B. Remove one leaf node.
- C. Add a second spine node.
- D. Change one of the line cards to a VCP master instance.

Correct Answer: C

QUESTION 13

You are creating a design proposal and deciding whether to use 10 GbE copper or 10GbE fiber cabling to connect your

ToR switches to the servers.

Which statement is correct regarding this scenario?

- A. Fiber has a lower power consumption on a per-port basis.
- B. Copper cabling requires special transceivers for different speeds.
- C. Fiber is much cheaper to purchase but has a higher long-term cost.
- D. Copper will allow you to reach the greatest distance between devices.

Correct Answer: A

QUESTION 14

Which two security components are inherent in a Contrail vRouter? (Choose two.)

- A. basic tenant separation directional control for Layer 3 and Layer 4 traffic
- B. Layer 7 traffic filters
- C. security groups
- D. encapsulation around each VM residing on the compute node

Correct Answer: BC

QUESTION 15

What is a characteristic of VRRP?

- A. VRRP routers must communicate over a direct connection.
- B. VRRP participating routers all act as active gateways.
- C. VRRP provides high availability for a host's default gateway.
- D. VRRP routes must communicate over a common switch.

Correct Answer: C

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