

# JN0-1301<sup>Q&As</sup>

Data Center Design, Specialist (JNCDS-DC)

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**QUESTION 1**

You are designing a Control-based SDN overlay network. IP filtering and tenant separation for Layer 3 and Layer 4 traffic is required for this installation.

In this scenario, which Contrail component performs this function?

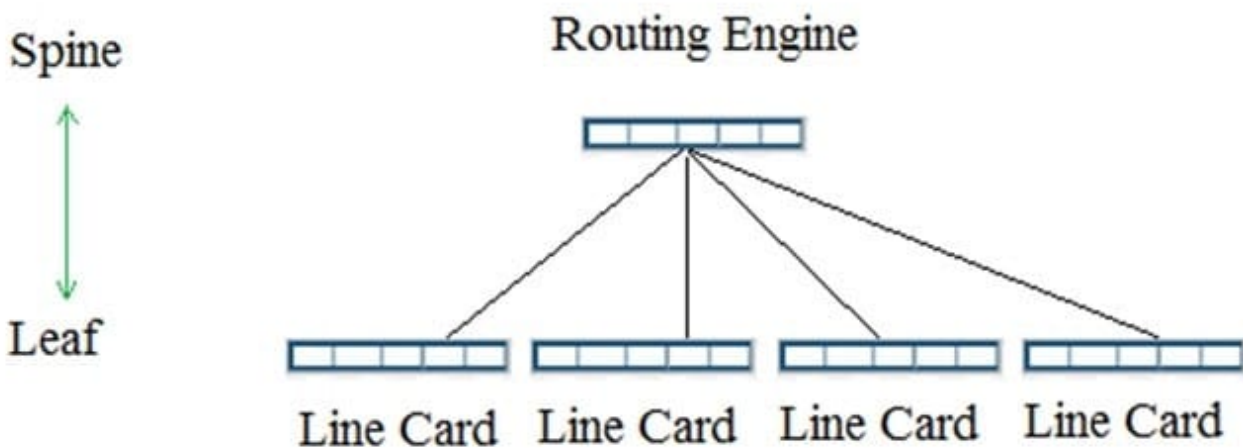
- A. vSwitch
- B. control node
- C. vRouter
- D. compute node

Correct Answer: C

**QUESTION 2**

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

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### QUESTION 3

What are two Layer 2 traffic tunneling schemes that are supported in a Juniper Networks IP fabric? (Choose two.)

- A. EVPN
- B. MPLSoGRE
- C. GENEVE
- D. VXLAN

Correct Answer: AD

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### QUESTION 4

You are designing an IP fabric using EVPN with VXLAN and must ensure that all links between the leaf and spine nodes are used as efficiently as possible. Which two design considerations are important to achieve this task? (Choose two.)

- A. Load balancing is automatic in an IP fabric design.
- B. Load balancing must be managed by an SDN controller in an IP fabric design.
- C. The overlay network needs to support load balancing.
- D. The underlay network needs to support load balancing.

Correct Answer: AD

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### QUESTION 5

What would you use to balance traffic loads between servers in a Clos Layer 3 data center fabric?

- A. MC-LAG
- B. multicast protocols
- C. ECMP routing
- D. BGP export policies

Correct Answer: C

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### QUESTION 6

A multi-tenant data center requires many thousands of VLANs for their customers. Additionally, they also need real-time data replication and server mobility to a remote backup site.

In this scenario, which solution should they choose?

- A. Virtual Chassis Fabric
- B. Clos IP fabric
- C. IBGP
- D. VXLAN

Correct Answer: D

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#### QUESTION 7

Your company is deploying a private cloud based on OpenStack and has selected Contrail Networking as its SDN controller. Which two statements are true in this scenario? (Choose two.)

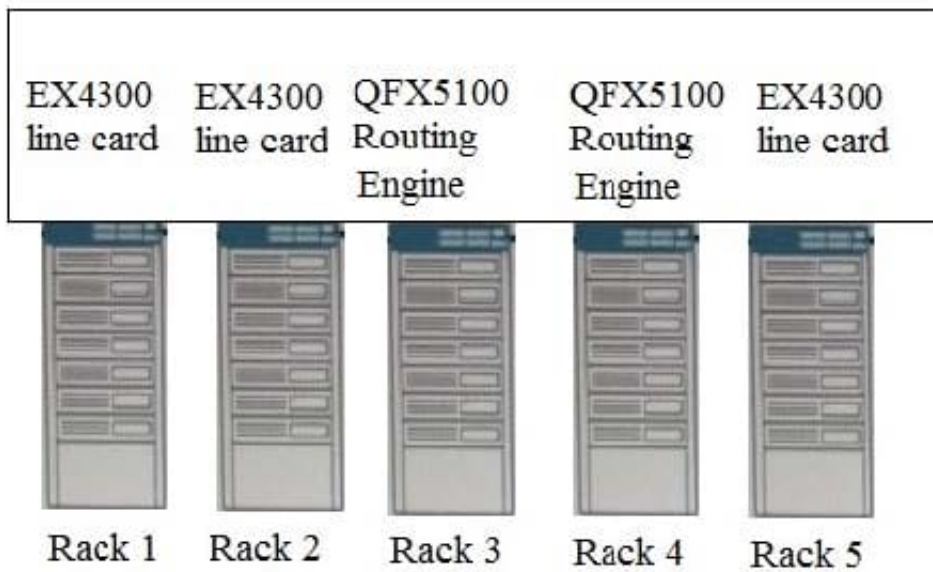
- A. Underlay tunnels are established between virtualized and bare-metal servers.
- B. MPLS over UDP tunnels are supported.
- C. Overlay tunnels are established between virtualized and bare-metal servers.
- D. MPLS over GRE tunnels are supported.

Correct Answer: CD

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#### QUESTION 8

Click the Exhibit button. You are designing a Layer 2 Ethernet fabric. Your customer wants to know which protocol in your design will ensure a loop-free topology. Referring to the exhibit, which protocol meets this requirement?



- A. STP
- B. VCCP
- C. BGP
- D. EVPN

Correct Answer: B

### QUESTION 9

You are implementing a Virtual Chassis Fabric using QFX5110 devices.

Which two statements are true in this scenario according to Juniper Networks recommendations? (Choose two.)

- A. Spine devices must assume the RE role.
- B. Leaf devices must have a direct link to all other leaf devices.
- C. Spine devices must assume the line card role.
- D. Leaf devices must have a direct link to all spine devices.

Correct Answer: AD

### QUESTION 10

Which statement is correct about a Junos Fusion Data Center fabric deployment?

- A. Each aggregation device is managed separately.
- B. Each satellite device is managed separately.

- C. At satellite devices are managed and configured by an aggregation device.
- D. All satellite and aggregation devices must be running the same version of Junos OS.

Correct Answer: C

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#### QUESTION 11

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

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#### QUESTION 12

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

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#### QUESTION 13

What are two industry-standard high availability features used in data centers? (Choose two.)

- A. IPFIX
- B. separation of control and forwarding planes
- C. graceful restart
- D. Bidirectional Forwarding Detection

Correct Answer: BD

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#### QUESTION 14

You are designing a Junos-based Ethernet Fabric for a data center that has a combination of 60 EX Series and QFX Series devices.

In this scenario, which solution would you choose?

- A. Junos Fusion Provider Edge
- B. Virtual Chassis
- C. Junos Fusion Data Center
- D. Virtual Chassis Fabric

Correct Answer: D

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#### QUESTION 15

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

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