

Free PDF Quiz Trustable Juniper - JN0-683 - Exam Data Center, Professional (JNCIP-DC) Study Guide



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Juniper JN0-683 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">VXLAN: This part requires knowledge of VXLAN, particularly how the control plane manages communication between devices, while the data plane handles traffic flow. Demonstrate knowledge of how to configure, Monitor, or Troubleshoot VXLAN.
Topic 2	<ul style="list-style-type: none">Data Center Interconnect: For Data Center Engineers, this part focuses on interconnecting data centers, covering Layer 2 and Layer 3 stretching, stitching fabrics together, and using EVPN-signaled VXLAN for seamless communication between data centers.
Topic 3	<ul style="list-style-type: none">Layer 3 Fabrics: This section measures the knowledge of professionals managing IP-based networks in data centers. It covers IP fabric architecture and routing, ensuring candidates understand how the network is structured for scalability and how traffic is routed efficiently.

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Juniper Data Center, Professional (JNCIP-DC) Sample Questions (Q27-Q32):

NEW QUESTION # 27

You are asked to deploy 100 QFX Series devices using ZTP. Each QFX5120 requires a different configuration. In this scenario, what are two components that you would configure on the DHCP server? (Choose two.)

- A. the MAC address of the FTP server
- B. the management IP address for each QFX5120
- C. the IP address of the FTP server
- D. the MAC address for each QFX5120

Answer: B,C

Explanation:

The IP address of the FTP server: In a Zero Touch Provisioning (ZTP) deployment, the DHCP server needs to provide the IP address of a server (such as an FTP or TFTP server) that holds the configuration files or software images required for the device. The QFX devices will reach out to this server during the boot process to download their necessary configuration and images.
The management IP address for each QFX5120: The DHCP server should also provide the management IP address for each QFX5120, allowing the devices to connect to the network and communicate with the ZTP server for configuration.

NEW QUESTION # 28

You are deploying multiple Juniper switches at the same location. Your switches are currently using the factory-default configuration. In this scenario, which two statements are correct? (Choose two.)

- A. The DHCP server configuration can provide Junos version requirements to DHCP clients.
- B. The switch will try to request an IP address from a DHCP server using only the management interface.
- C. The DHCP server configuration cannot provide Junos version requirements to DHCP clients.
- D. The switch will try to request an IP address from a DHCP server using all interfaces that are connected and are operational.

Answer: A,D

Explanation:

* DHCP Behavior in Factory-Default Configuration:

* Option B: In the factory-default configuration, Juniper switches are designed to send DHCP requests on all operational interfaces. This behavior ensures that the switch can obtain an IP address for management and further configuration from any available DHCP server.

* Option D: The DHCP server can provide additional configuration parameters, including the required Junos version. This allows for automated provisioning and ensures that the switch is running the correct software version.

Conclusion:

* Option B: Correct - The switch will use any operational interface to request an IP address via DHCP.

* Option D: Correct - The DHCP server can specify Junos version requirements, enabling automated software management.

NEW QUESTION # 29

You want to provide a DCI that keeps each data center routing domain isolated, while also supporting translation of VNIs. Which DCI scheme allows these features?

- A. VXLAN stitching
- B. over the top (OTT) with VNI translation enabled
- C. over the top (OTT) with proxy gateways
- D. MPLS DCI label exchange

Answer: B

Explanation:

over the top (OTT) with VNI translation enabled: An OTT (Over-the-Top) architecture with VNI translation allows you to keep each data center's routing domain isolated while enabling translation of VXLAN Network Identifiers (VNIs) between the data centers. This approach supports multi-tenancy and facilitates communication between isolated data centers by mapping VNIs

between them.

NEW QUESTION # 30

Your company asks you to create a network in one of its data centers specifically for supporting AI or ML workloads. You have chosen to use lossless Ethernet.

In this scenario, which statement about Juniper Networks' best practices for Ethernet networks that support RDMA AI/ML traffic is correct?

- A. Assign all shared buffers to the lossless queues.
- B. Disable LLDP on interfaces that use DCBX
- C. Modify the load balancing default hashing.
- **D. Enable ETS on the GPU facing interfaces.**

Answer: D

Explanation:

In a lossless Ethernet network designed for AI/ML workloads using RDMA (Remote Direct Memory Access), Enhanced Transmission Selection (ETS) is a key feature that helps allocate bandwidth dynamically among different traffic classes, ensuring that AI/ML traffic is prioritized without starving other types of traffic. Juniper Networks' best practices recommend enabling ETS on interfaces connecting to GPU servers to ensure proper bandwidth allocation and prevent congestion.

NEW QUESTION # 31

You are asked to automatically provision new Juniper Networks devices in your network with minimal manual intervention. Before you begin, which two statements are correct? (Choose two.)

- **A. You must have a DHCP server that provides the location of the software image and configuration files.**
- B. You must have a system log (syslog) server to manage system log messages and alerts.
- C. You must have an NTP server to perform time synchronization.
- **D. You must have a file server that stores software image and configuration files.**

Answer: A,D

Explanation:

* Zero-Touch Provisioning (ZTP):

* ZTP is a feature that allows for the automatic provisioning of devices with minimal manual intervention. It is widely used in large-scale deployments to quickly bring new devices online.

* Key Requirements for ZTP:

* A. DHCP Server: A DHCP server is crucial for ZTP as it provides the necessary information to new devices, such as the IP address, the location of the software image, and configuration files.

* D. File Server: The file server is where the software image and configuration files are stored. The device downloads these files during the provisioning process.

* Incorrect Options:

* B. Syslog Server: While a syslog server is important for logging and monitoring, it is not a requirement for the initial provisioning process.

* C. NTP Server: An NTP server is used for time synchronization, which is essential for accurate logging and operation but not specifically required for ZTP.

Data Center References:

* ZTP simplifies the deployment process by automating the initial configuration steps, relying heavily on DHCP for communication and a file server for delivering the necessary configuration and software.

NEW QUESTION # 32

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