

# JN0-683 Valid Dumps Sheet | Reliable JN0-683 Test Topics



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## Juniper JN0-683 Exam Syllabus Topics:

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| Topic   | Details  |
|---------|--|
| Topic 1 | <ul style="list-style-type: none"> <li>• <b>EVPN-VXLAN Signaling:</b> This section assesses an understanding of Ethernet VPN (EVPN) concepts, including route types, multicast handling, and Multiprotocol BGP (MBGP). It also covers EVPN architectures like CRB and ERB, MAC learning, and symmetric routing.</li> </ul>   |
| Topic 2 | <ul style="list-style-type: none"> <li>• <b>Data Center Multitenancy and Security:</b> This section tests knowledge of single-tenant and multitenant data center setups. Candidates such as Data Center Professionals are evaluated on ensuring tenant traffic isolation at both Layer 2 and Layer 3 levels in shared infrastructure environments.</li> </ul>      |
| Topic 3 | <ul style="list-style-type: none"> <li>• <b>Layer 3 Fabrics:</b> 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.</li> </ul>                     |
| Topic 4 | <ul style="list-style-type: none"> <li>• <b>VXLAN:</b> 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.</li> </ul>   |
| Topic 5 | <ul style="list-style-type: none"> <li>• <b>Data Center Deployment and Management:</b> This section assesses the expertise of data center networking professionals like architects and engineers, focusing on key deployment concepts. Topics include Zero-touch provisioning (ZTP), which automates device setup in data centers without manual input.</li> </ul> |

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It is a universally accepted fact that the JN0-683 exam is a tough nut to crack for the majority of candidates, but there are still a lot of people in this field who long to gain the related certification so that a lot of people want to try their best to meet the challenge of the JN0-683 Exam. A growing number of people know that if they have the chance to pass the exam, they will change their present situation and get a more decent job in the near future.

### Juniper Data Center, Professional (JNCIP-DC) Sample Questions (Q37-Q42):

#### NEW QUESTION # 37

You are deploying an IP fabric using EBGp and notice that your leaf devices are advertising and receiving all the routes. However, the routes are not installed in the routing table and are marked as hidden.

Which two statements describe how to solve the issue? (Choose two.)

- A. You need to configure loops 2.
- **B. You need to configure a next-hop self policy.**
- C. You need to configure as-override.
- **D. You need to configure multipath multiple-as.**

**Answer: B,D**

#### NEW QUESTION # 38

Exhibit.

Both DC and DC2 are using EVPN-VXLAN technology deployed using an ERB architecture. A server on the Red VLAN must communicate with a server on the Green VLAN. The Blue VLAN in DC and DC2 needs to be the same VLAN.

Which statement is correct in this scenario?

- A. The eight spine devices must be configured as border spine devices; a full mesh interconnect must exist between all eight spine devices and the Blue VLAN must be stitched together
- B. An interconnect is required between four leaf devices in the services blocks; the Red VLAN and the Green VLAN must be stitched and the Blue VLAN must be stretched.
- **C. An interconnect is required between the four SRX Series devices; the Blue VLAN must be stretched and a transit VNI**

must be added for the Red and Green VLANs.

- D. A lean super spine device must be added to DC and DC2; all VLANs must be stretched to the lean super spine device and the lean super spine devices must stitch all the VLANs together.

**Answer: C**

Explanation:

\* ERB Architecture in EVPN-VXLAN:

\* ERB (Edge Routed Bridging) architecture is commonly used in data center networks where routing decisions are made at the network edge (leaf or border devices), while bridging (Layer 2 forwarding) is extended across the fabric. This architecture allows for efficient L3 routing while still enabling L2 services like VLANs to span across multiple locations.

\* VLAN and VNI Configuration:

\* The scenario specifies that a server on the Red VLAN needs to communicate with a server on the Green VLAN. Since these VLANs are in different data centers (DC and DC2), and given the use of EVPN-VXLAN, the communication between these VLANs will require a transit VNI (Virtual Network Identifier). This transit VNI will allow traffic to traverse the VXLAN tunnel across the DCI (Data Center Interconnect).

\* Interconnect between SRX Series Devices:

\* The exhibit shows SRX Series Chassis Clusters used as service devices (likely for firewalling or other security services). These devices need to be interconnected between the two data centers to ensure that VLANs can communicate effectively. The Blue VLAN needs to be stretched between DC and DC2 to maintain the same Layer 2 domain across both data centers.

Conclusion:

\* Option B: Correct-Interconnecting the SRX Series devices will ensure the necessary service chaining, while stretching the Blue VLAN and adding a transit VNI for the Red and Green VLANs will enable the required communication across the data centers.

#### NEW QUESTION # 39

Which parameter is used to associate a received route with a local VPN route table?

- A. route-target community
- B. VLAN ID
- C. VNI
- D. route-distinguisher

**Answer: A**

Explanation:

\* Understanding VPN Route Table Association:

\* In MPLS/VPN and EVPN networks, the route-target community is a BGP extended community attribute used to control the import and export of VPN routes. It associates received routes with the appropriate VPN route tables on the PE (Provider Edge) routers.

\* Function of Route-Target Community:

\* The route-target community tag ensures that routes are imported into the correct VRF (Virtual Routing and Forwarding) instance, allowing them to be correctly routed within the VPN.

Conclusion:

\* Option A: Correct-The route-target community is used to associate received routes with a local VPN route table.

#### NEW QUESTION # 40

You are asked to interconnect two of your company's data centers across the IP backbone. Both data centers have their own unique IP space and do not require any bridging.

In this scenario, which two actions would accomplish this task? (Choose two.)

- A. Configure a Type 2 EVPN route for each unique prefix.
- B. Configure peering for EVPN between all leaf nodes within each data center.
- C. Configure peering for EVPN between border leaf nodes in each data center.
- D. Configure a Type 5 EVPN route for each unique prefix.

**Answer: C,D**

Explanation:

Configure peering for EVPN between border leaf nodes in each data center: In order to interconnect the data centers across the IP

backbone, you would configure EVPN peering between the border leaf nodes in each data center. Border leaf nodes act as the gateway between the local data center and the external network (in this case, the inter-data-center IP backbone). This ensures that the data centers can communicate and exchange routing information.

Configure a Type 5 EVPN route for each unique prefix: Type 5 EVPN routes are used for inter-subnet communication (i.e., for advertising IP prefixes between data centers). Since the data centers have unique IP address spaces and do not require bridging, Type 5 routes are appropriate for advertising these unique prefixes across the data centers.

#### NEW QUESTION # 41

Exhibit.

You have a sample configuration for connecting two sites through EVPN-VXLAN by exchanging IP prefix routes. Referring to the exhibit, which two statements regarding the configuration are true? (Choose two.)

- A. The VNI must match on all devices for the same customer.
- B. The advertise direct-nexthop option enables the receiver to resolve the next-hop route using only information carried in the Type 5 route.
- C. The VNI should be unique on all devices for each customer site.
- D. The advertise direct-nexthop option enables the receiver to resolve the next-hop route using only information carried in the Type 2 route.

**Answer: A,B**

Explanation:

EVPN-VXLAN Configuration:

\* The configuration provided in the exhibit shows an EVPN-VXLAN setup where IP prefix routes are exchanged between two sites. The advertise direct-nexthop option and the VNI (Virtual Network Identifier) settings are crucial in this context.

Advertise Direct-Nexthop:

\* Option A: The advertise direct-nexthop option ensures that the next-hop route is resolved using only the information carried in the EVPN Type 5 route. Type 5 routes are used for IP prefix advertisement in EVPN, which is key to enabling Layer 3 interconnectivity between different VXLAN segments.

VNI Consistency:

\* Option C: For the same customer across different devices, the VNI must be consistent. This consistency ensures that all devices can correctly map traffic to the appropriate VXLAN segment, maintaining seamless Layer 2 and Layer 3 connectivity.

#### NEW QUESTION # 42

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