

Juniper JN0-281 Most Reliable Questions, Exam JN0-281 Details

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Exam : **JN0-281**

Title : Data Center, Associate
(JNCIA-DC)

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Juniper JN0-281 Exam Syllabus Topics:

Topic	Details
Topic 1	• High Availability: This section of the exam measures the skills of a Data Center Reliability Engineer and covers strategies to ensure continuous network availability. It includes features like Link Aggregation Groups (LAG), Graceful Restart (GR), Bidirectional Forwarding Detection (BFD), and Virtual Chassis. It also provides a basic understanding of how to configure, monitor, and troubleshoot each of these high-availability components to maintain resilient network performance.
Topic 2	• Data Center Architectures: This section of the exam measures the skills of a Data Center Architect and covers foundational knowledge about various data center designs. It includes traditional multitier architectures as well as more modern IP fabric architectures using spine-leaf topologies. The section also touches on Layer 2 and Layer 3 strategies for forwarding traffic, the differences between overlay and underlay networks, and introduces Ethernet VPN–Virtual Extensible LAN (EVPN-VXLAN), explaining its basic purpose and role in data center environments.
Topic 3	• Protocol-Independent Routing: This section of the exam measures the skills of a Routing Engineer and covers routing features that function independently of any specific protocol. It includes static, aggregate, and generated routes, along with the concept of martian addresses. Routing instances and Routing Information Base (RIB) groups are introduced, as well as techniques like load balancing and filter-based forwarding. Configuration, monitoring, and troubleshooting aspects of these routing components are also covered in this section.
Topic 4	• Layer 2 Switching and VLANs: This section of the exam measures the skills of a Network Support Engineer and covers the essential concepts of Layer 2 switching operations within Junos OS. It includes an overview of Ethernet switching and bridging, providing an understanding of how Layer 2 networks function. The section also introduces VLAN concepts, focusing on port modes, VLAN tagging methods, and the purpose of Integrated Routing and Bridging (IRB). It further explores the practical side by addressing how to configure, monitor, and troubleshoot both Layer 2 switching and VLANs.
Topic 5	• Data Center Routing Protocols BGP • OSPF: This section of the exam measures skills of a Network Operations Specialist and covers the operation and key concepts of the OSPF protocol. It explains elements such as the link-state database, OSPF packet types, and router IDs, including how adjacencies and designated routers work within areas. The section then transitions to BGP, outlining its basic operations, message types, attributes, and the path selection process. It also discusses both IBGP and EBGP roles. Lastly, the section reviews how to configure, monitor, and troubleshoot OSPF and BGP using routing policies and various tools.

Juniper Data Center, Associate (JNCIA-DC) Sample Questions (Q26-Q31):

NEW QUESTION # 26

Which static routing parameter will silently drop the packet if it is set as the next hop?

- A. Readvertise
- **B. Discard**
- C. Reject
- D. Resolve

Answer: B

Explanation:

When the discard option is configured as the next hop for a static route, it silently drops any packets that match the route without sending any notification to the sender.

Step-by-Step Breakdown:

Discard Behavior:

If a route uses the discard next hop, the router drops the packet without generating any ICMP message or error back to the sender.

This is useful for creating null routes to prevent routing loops or blackhole traffic intentionally.

Reject vs. Discard:

The reject next hop, in contrast, drops the packet but sends an ICMP Destination Unreachable message back to the source.

Juniper Reference:

Static Route Behavior: In Junos, the discard option ensures packets matching a static route are dropped silently, providing a way to discard traffic without alerting the source.

NEW QUESTION # 27

Which OSPF router type connects an OSPF area to non-OSPF networks?

- A. Backbone Router
- B. Internal Router
- C. Area Border Router (ABR)
- **D. Autonomous System Boundary Router (ASBR)**

Answer: D

NEW QUESTION # 28

Referring to the exhibit, how many stages are in this IP fabric?

□

- A. 0
- B. 1
- C. 2
- **D. 3**

Answer: D

NEW QUESTION # 29

What does filter-based forwarding in networking typically allow?

- A. Load balancing across multiple CPUs
- **B. Routing decisions based on extended criteria like packet headers**
- C. Forwarding decisions based on MAC addresses
- D. Aggregation of multiple routes into a single entry

Answer: B

NEW QUESTION # 30

What is the primary purpose of OSPF in network routing?

- **A. To offer dynamic routing within an autonomous system using link-state information.**
- B. To provide path vector routing within an autonomous system.
- C. To redistribute routes between autonomous systems.
- D. To encrypt data traffic between different networks.

Answer: A

NEW QUESTION # 31

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