

# Technical Juniper JN0-281 Training, Latest JN0-281 Guide Files



## Juniper

JN0-281 Exam

Data Center, Associate JNCIA-DC

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### Juniper JN0-281 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>• 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 multilayer 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.</li></ul>

Topic 2	<ul style="list-style-type: none"> <li>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.</li> </ul>
Topic 3	<ul style="list-style-type: none"> <li>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.</li> </ul>
Topic 4	<ul style="list-style-type: none"> <li>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.</li> </ul>
Topic 5	<ul style="list-style-type: none"> <li>Data Center Routing Protocols BGP</li> <li>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.</li> </ul>

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### Juniper Data Center, Associate (JNCIA-DC) Sample Questions (Q93-Q98):

#### NEW QUESTION # 93

In troubleshooting a Virtual Chassis setup, what is a common issue to look for?

- A. Incompatible software versions between member switches
- B. Too many switches in a single Virtual Chassis configuration
- C. Use of copper cables for inter-switch connections
- D. Activation of all ports for Virtual Chassis connections

**Answer: A**

#### NEW QUESTION # 94

Which Junos OS routing table stores IPv6 addresses?

- A. inet.0
- B. inet.6
- C. inet0.6
- D. **inet6.0**

**Answer: D**

Explanation:

In Junos OS, routing information is stored in different routing tables depending on the protocol and address family. For IPv6 addresses, the routing table used is inet6.0.

Step-by-Step Explanation:

Routing Tables in Junos:

inet.0: This is the primary routing table for IPv4 unicast routes.

inet6.0: This is the primary routing table for IPv6 unicast routes.

inet.3: This routing table is used for MPLS-related routing.

Other routing tables, like inet.1, inet.2, are used for multicast and other specific purposes.

inet6.0 Routing Table:

When IPv6 is enabled on a Juniper router, all the IPv6 routes are stored in the inet6.0 table. This includes both direct routes (connected networks) and learned routes (from dynamic routing protocols like OSPFv3, BGP, etc.).

Verification:

To view IPv6 routes, the command `show route table inet6.0` is used. This will display the contents of the IPv6 routing table, showing the network prefixes, next-hop addresses, and protocol information for each route.

Juniper Reference:

Junos Command: Use `show route table inet6.0` to check IPv6 routing entries.

IPv6 Routing: Ensure that the IPv6 protocol is enabled on interfaces and that routing protocols like OSPFv3 or BGP are properly configured for IPv6 traffic handling.

**NEW QUESTION # 95**

Which EBGP feature must be used when peering to a non-directly connected peer address?

- A. AS path
- B. local preference
- **C. multihop**
- D. multipath

**Answer: C****NEW QUESTION # 96**

What is the default Junos behavior of access ports?

- A. Allow only tagged traffic
- B. Allow both tagged and untagged traffic
- C. Allow a maximum of 80 percent untagged traffic
- **D. Allow only untagged traffic**

**Answer: D****NEW QUESTION # 97**

What does MACsec stand for?

- A. MAC Security
- B. MAC Sublayer Encryption
- C. Media Access Control Sublayer Encryption
- **D. Media Access Control Security**

**Answer: D****NEW QUESTION # 98**

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