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Juniper JN0-650 Exam
Enterprise Routing and Switching,
Professional (JNCIP-ENT)
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Juniper JN0-650 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">• IP Telephony Features: This section focuses on features supporting VoIP deployments including Power over Ethernet, LLDP• LLDP-MED protocols, and voice VLAN implementation.
Topic 2	<ul style="list-style-type: none">• Interior Gateway Protocols (IGPs): This domain covers internal routing protocols operating within a single autonomous system, including OSPFv2, OSPFv3, and routing policy implementation, along with configuration, troubleshooting, and monitoring skills.
Topic 3	<ul style="list-style-type: none">• EVPN: This section addresses Ethernet VPN technology for Layer 2 over Layer 3 connectivity, covering EVPN route types, VXLAN encapsulation, and multi-homing configurations.
Topic 4	<ul style="list-style-type: none">• Ethernet Switching and Spanning Tree: This section covers advanced Layer 2 switching including filter-based VLANs, private VLANs, MVRP, Layer 2 tunneling via Q-in-Q and L2PT, plus MSTP and VSTP protocols.
Topic 5	<ul style="list-style-type: none">• Class of Service (CoS): This domain covers QoS mechanisms in Junos including CoS processing, header fields, forwarding classes, classification, policers, schedulers, drop profiles, shaping, and rewrite rules.
Topic 6	<ul style="list-style-type: none">• Layer 2 Authentication and Access Control: This domain examines network access control mechanisms including 802.1x, MAC RADIUS, captive portal, server fail fallback, guest VLANs, and multi-method authentication considerations.
Topic 7	<ul style="list-style-type: none">• BGP: This section focuses on Border Gateway Protocol operations including route selection, next hop resolution, BGP attributes, communities, load balancing, IPv4• IPv6 address families, advanced options, and routing policy implementation.

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At the Exam4Docs offer students Juniper JN0-650 practice test questions, and 24/7 support to ensure they do comprehensive preparation for the Enterprise Routing and Switching, Professional (JNCIP-ENT) (JN0-650) exam. Exam4Docs Enterprise Routing and Switching, Professional (JNCIP-ENT) (JN0-650) practice test material covers all the key topics and areas of knowledge necessary to master the Juniper Certification Exam.

Juniper Enterprise Routing and Switching, Professional (JNCIP-ENT) Sample Questions (Q18-Q23):

NEW QUESTION # 18

You are troubleshooting an EVPN-VXLAN IP fabric and observe the loop shown in the exhibit.

Which two steps would you take to further troubleshoot this problem? (Choose two.)

- A. Issue the show route table bgp.evpn.0 command on Leaf2 and verify that Type 3 routes are present.
- **B. Verify that the same ESI is configured on the two links from the source.**
- C. Verify that the same ESI is configured on the link from the host and that it matches the source.
- **D. Issue the show route table bgp.evpn.0 command on Leaf2 and verify that Type 4 routes are present.**

Answer: B,D

NEW QUESTION # 19

How does Source-Specific Multicast (SSM) differ from Any-Source Multicast (ASM)?

- A. ASM is used for one-to-many communications, while SSM is used for many-to-many.
- B. ASM uses IGMPv3, while SSM uses IGMPv2.
- **C. SSM allows receivers to join multicast groups from specific sources, while ASM allows from any source.**
- D. SSM requires an RP for multicast group communication, while ASM does not.

Answer: C

NEW QUESTION # 20

What is the function of a private VLAN?

- A. encrypt traffic between members of the same VLAN
- B. prevent a user from identifying which VLAN they are in
- C. prevent traffic in a VLAN from leaving a switch
- **D. segment a single VLAN into multiple broadcast domains**

Answer: D

NEW QUESTION # 21

Exhibit

You are receiving the same BGP Internet routes on R1 from both upstream ISPs. You are asked to load-balance traffic destined to the Internet across both ISPs.

Referring to the exhibit, which BGP solution should you use?

- A. Use the prefix limit feature on R1
- B. Use the multihop feature on R1.
- **C. Use the multipath multiple-as feature on R1.**
- D. Use the damping feature on R1.

Answer: C

Explanation:

In standard BGP operations, a router typically selects only one "best path" for a given destination prefix and installs that single path into the forwarding table. To utilize multiple paths for traffic forwarding (load-balancing), specific multipath features must be enabled.

BGP Multipath: This feature allows a router to install multiple equal-cost paths into the routing and forwarding tables. However, by default, BGP multipath requires that all candidate paths have the same neighboring Autonomous System (AS).

Multipath Multiple-AS (Option B): In the exhibit, R1 is receiving routes from ISP A (AS 65501) and ISP B (AS 65502). Since these are two different neighboring ASs, the standard multipath feature is not sufficient.

You must use the multipath multiple-as statement under the BGP group or neighbor hierarchy. This tells Junos to consider paths as equal even if they originate from different neighboring ASs, provided all other BGP path selection attributes (Local Preference, AS Path length, Origin, MED, etc.) are identical.

Why other options are incorrect: * Option A (multihop) is used for peering with routers that are not directly connected.

Option C (prefix limit) is a security and stability feature to limit the number of prefixes received from a neighbor.

Option D (damping) is used to penalize unstable, "flapping" routes to prevent constant routing table churn.

Configuration Example for Junos OS 24.4: To implement this on R1, you would use the following configuration:

```
set protocols bgp group < group-name > multipath multiple-as
```

NEW QUESTION # 22

You want to implement a system in your network to simplify VLAN management that can also dynamically create and prune VLANs. How would you accomplish this task?

- A. Enable GVRP on access interfaces.
- B. Enable MVRP on access interfaces.
- C. Enable MVRP on trunk interfaces.
- D. Enable MVRP and GVRP on all interfaces.

Answer: C

Explanation:

To simplify VLAN management and automate the creation and pruning of VLANs across a network, Juniper utilizes the Multiple VLAN Registration Protocol (MVRP).

* MVRP on Trunk Interfaces (Option C): MVRP is the IEEE 802.1ak standard that replaces the older, proprietary GVRP. It is designed to run on trunk interfaces between switches.

* Dynamic Creation: When a VLAN is added to one switch, MVRP advertises its existence to neighboring switches. If those switches need to reach that VLAN, they can dynamically create it in their database.

* Pruning: If a switch no longer has any active ports or downstream neighbors interested in a specific VLAN, it stops advertising that VLAN on its trunks. This "prunes" the VLAN traffic from those links, saving bandwidth.

* Incorrect Options: Option A and B are incorrect because GVRP is legacy and no longer the recommended protocol for modern Junos deployments. Option D is incorrect because MVRP is meant for inter-switch trunk links to manage the fabric, not for edge access ports where VLAN membership is usually static.

NEW QUESTION # 23

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