



Vendor: Juniper

Exam Code: JN0-650

Exam Name: Enterprise Routing and Switching,
Professional (JNCIP-ENT)

Version: DEMO

QUESTION 1

Which two statements are correct about EVPN/VXLAN deployments? (Choose two.)

- A. VNIs are used for encapsulating and de-encapsulating traffic entering and leaving the tunnels.
- B. VTEPs are used for encapsulating and de-encapsulating traffic entering and leaving the tunnels.
- C. VTEPs are used to identify broadcast domains within an EVPN/VXLAN environment.
- D. VNIs are used to identify broadcast domains within an EVPN/VXLAN environment.

Answer: BD

Explanation:

VTEPs (VXLAN Tunnel Endpoints) perform the encapsulation and decapsulation of traffic entering and leaving VXLAN tunnels. VNIs (VXLAN Network Identifiers) are used to identify broadcast domains within the EVPN/VXLAN environment, mapping VLANs to VXLAN segments.

QUESTION 2

Which statement accurately describes the operation of OSPF within the Junos OS?

- A. OSPF calculates routes using a distance vector algorithm.
- B. OSPF is used for routing information and neighbor discovery within a single autonomous system (AS).
- C. OSPF does not automatically advertise directly connected routes.
- D. OSPF is used for routing information and neighbor discovery between multiple autonomous systems.

Answer: B

Explanation:

In Junos OS, OSPF is an interior gateway protocol used within a single autonomous system (AS) to exchange routing information and perform neighbor discovery. It uses a link-state algorithm, not a distance-vector algorithm.

QUESTION 3

You run a multivendor switching environment where you have configured VSTP. You have 450 VLANs and notice that some of your VLANs do not function properly. How should you change the configuration to get all 450 VLANs working?

- A. Include the force-version stp; statement in your configuration.
- B. Enable RSTP to handle additional VLANs.
- C. Set the VLAN max-age to 3600 or more.
- D. Increase the bridge priority on all VLANs to at least 16k.

Answer: A

Explanation:

In a multivendor environment, enabling force-version stp ensures compatibility with other vendors' STP implementations. By default, VSTP may not properly handle a large number of VLANs across mixed vendors, and forcing the STP version allows all 450 VLANs to function correctly.

QUESTION 4

Click the Exhibit button.

```
user@router> show interfaces ge-0/0/11 extensive | find "Cos information"
```

CoS information:

Direction	CoS transmit queue	%	Bandwidth bps	%	Buffer usec	Priority	Limit
Output	0 best-effort	r	r	r	0	low	none
	1 expedited-forwarding	10	100000000	r	0	low	none
	2 assured-forwarding	10	100000000	r	0	low	exact
	3 network-control	4	40000000	r	0	low	exact

Referring to the exhibit, which two statements are correct? (Choose two.)

- A. The bandwidth reservation for queue 0 is 76%.
- B. During times of no network congestion, traffic that is placed in queue 2 will be dropped if more than 10% of the interface bandwidth is used.
- C. The bandwidth reservation for queue 0 is 100%.
- D. During times of sustained network congestion, traffic that is placed in queue 2 will be dropped if more than 10% of the interface bandwidth is used.

Answer: CD

Explanation:

The best-effort queue (queue 0) does not have a reserved bandwidth, so it effectively has 100% of remaining bandwidth after the other queues are serviced. For assured-forwarding (queue 2), the bandwidth reservation is 10%, so during sustained congestion, any traffic exceeding this allocation can be dropped to enforce the bandwidth limits.

QUESTION 5

Click the Exhibit button.

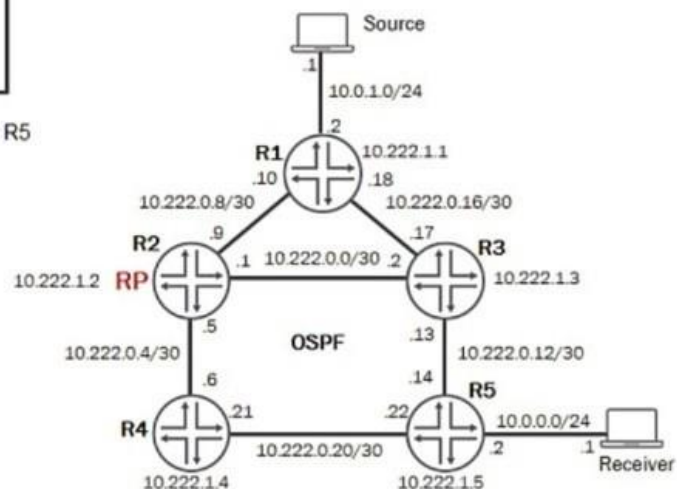
```
[edit]
user@R2# show protocols pim
rp {
  local {
    family inet {
      address 10.222.1.2;
    }
  }
}
interface all {
  mode sparse;
}
```

All non-RP routers are configured similarly to R5

```
user@R5> show pim rps
Instance: PIM.master

address-family INET
address-family INET6

[edit]
root@r5# show protocols pim
interface all {
  mode sparse;
}
```



You need to configure the non-RP routers in your network to dynamically learn the location of the RP using standard protocols only. You have already applied the configuration shown in the exhibit, but the routers have not learned the location of the RP.

Which additional step must you take to fulfill these requirements?

- A. Configure MSDP.
- B. Configure BSR.
- C. Configure Anycast RP.
- D. Configure Auto-RP.

Answer: B

Explanation:

To allow non-RP routers to dynamically learn the location of the RP using standard protocols, you must configure BSR (Bootstrap Router). BSR is a standardized method in PIM Sparse Mode that distributes RP information across the network without requiring manual configuration on each router.

QUESTION 6

Click the Exhibit button.

```
master:0)[edit protocols mstp]
user@switch1# show
configuration-name main;
revision-level 1;
interface ge-0/0/2;
interface ge-0/0/3;
interface ge-0/0/4;
interface ge-0/0/5;
msti 1 {
    bridge-priority 8k;
    vlan 1-5;
}
msti 2 {
    bridge-priority 4k;
    vlan 6-10;
}
{master:0)[edit protocols mstp]
user@switch2# show
configuration-name main;
revision-level 1;
interface ge-0/0/2;
interface ge-0/0/3;
interface ge-0/0/4;
interface ge-0/0/5;
msti 1 {
    bridge-priority 4k;
    vlan 1-5;
}
msti 2 {
    bridge-priority 8k;
    vlan 6-10;
}
```

You are asked to configure VLAN load balancing on your network using MSTP.

Referring to the exhibit, which two statements are correct? (Choose two.)

- A. Switch1 will be the root bridge for msti 1.
- B. Switch1 will be the root bridge for msti 2.
- C. Switch1 will not assume the role of root bridge for both msti1 and msti2 if Switch2 goes down.
- D. Switch1 will assume the role of root bridge for both msti1 and msti2 if Switch2 goes down.

Answer: AB

Explanation:

In MSTP, the bridge priority determines the root bridge for each MSTI. In the first configuration,

MSTI 1 has priority 8k and MSTI 2 has 4k. After the second configuration, MSTI 1 priority is 4k and MSTI 2 is 8k. Assuming Switch1 has the lowest priority in each MSTI compared to other switches, it will become the root bridge for MSTI 1 and MSTI 2, achieving VLAN load balancing across MSTIs.

QUESTION 7

You are configuring CoS throughout your enterprise network using DSCP. You have configured MF classification on your edge devices and are using BA classifiers throughout the core. You are using the EZQoS template provided on your EX Series switches that are acting as your edge devices. You have loaded the configuration group and applied it to the appropriate interfaces. Classification and scheduling are working properly on your edge devices; however, traffic is not being classified correctly when it reaches your core devices. In this scenario, which statement is correct about solving this problem?

- A. You should configure and apply a policer to the edge devices' egress interfaces toward the core.
- B. You must configure the core devices using the EZQoS template as well.
- C. You should configure and apply rewrite rules on the edge devices' egress interfaces toward the core.
- D. You must configure the edge devices to use BA classifiers instead of MF classifiers.

Answer: C

Explanation:

To ensure that DSCP markings created by MF classifiers on the edge devices are recognized by the core, you need to apply rewrite rules on the edge devices' egress interfaces toward the core. This rewrites the packet headers so that the core devices can correctly classify and schedule the traffic according to the DSCP values.

QUESTION 8

You want to validate a recursive lookup for an EVPN route designation. Which route table query will accomplish this task?

- A. inet.2
- B. default-switch.evpn.0
- C. inet.3
- D. vxlan.inet.0

Answer: B

Explanation:

To validate a recursive lookup for an EVPN route, you query the default-switch.evpn.0 table. This table contains the MAC/IP bindings and next-hop information for EVPN routes, which the switch uses to resolve the recursive path for forwarding.

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