JN0-649 Q&As

Enterprise Routing and Switching Professional (JNCIP-ENT)

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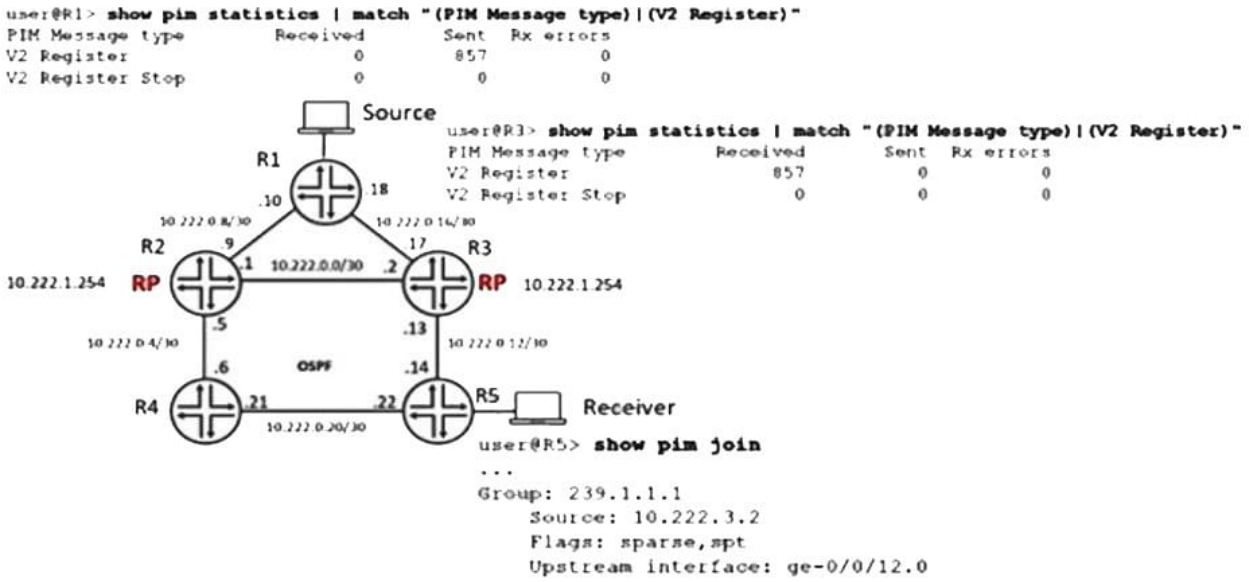
QUESTION 1

Referring to the exhibit, anycast RP is implemented to ensure multicast service availability. The source is currently sending multicast traffic using group 239.1.1.1 and R3 is receiving PIM register messages, but R2 does not have active source information.

In this scenario, what are two methods to receive the active source information on R2? (Choose two.)



A. Configure an RP set in PIM on R1, allowing R1 to forward PIM register messages to R2 and R3 in the set.

B. Configure an MSDP protocol between R2 andR3.

C. Configure an RP set in PIM on R2 and R3, allowing the RPs to forward PIM register messages to the other RPs in the set.

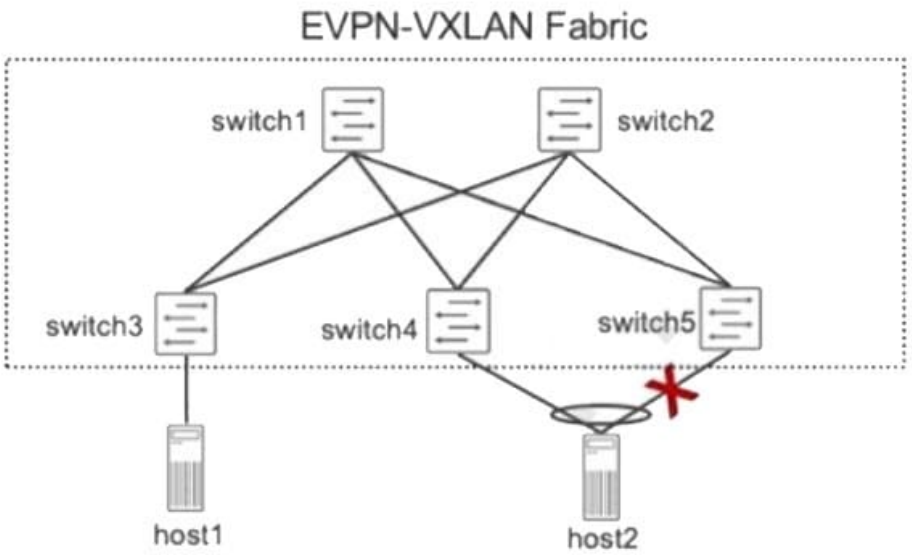
D. Configure an MSDP protocol between R1 and R2.

Correct Answer: AC

https://www.juniper.net/documentation/us/en/software/junos/multicast/topics/ref/statement/rp-set-edit-protocols-pim.html

QUESTION 2

Referring to the exhibit, which statement is correct when a failure exists on the link between host2 and switch5 on this EVPN-VXLAN fabric?



A. The switch5 device will send a Type 2route to all peers.

B. The switch5 device will send a Type 4 route to all peers.

C. The switch5 device will send a Type 1 route to all peers.

D. The switch5 device will send a Type 3 route to all peers.

Correct Answer: D

QUESTION 3

Your organization has recently acquired another company. You must carry all of the company\\'s existing VLANsacross the corporate backbone to the existing branch locations without changing addressing and with minimal configuration. Which technology will accomplish this task?

A. Q-in-Q all-in-one bundling

B. PVLAN isolated VLAN

C. MVRP registration normal

D. EVPN-VXLAN anycast gateway

Correct Answer: A

QUESTION 4

Your enterprise network uses routing instances to support multitenancy. Your Junos devices use BGP to peer to multiple BGP devices. You must ensure that load balancing is achieved within the routing instance. Which two

statements would accomplish this task? (Choose two.)

A. Configure the multipath option at the [edit protocols bgp group neighbor] hierarchy.

B. Configure the multipath option at the [edit protocols bgp group] hierarchy.

C. Configure a load-balance per-packet policy and apply it at the [edit routing-options forwarding-table] hierarchy.

D. Configure the multipath option at the [edit routing-instances routing-options] hierarchy.

Correct Answer: BC

Fortunately, the Juniper Networks BGP implementation supports the notion of a bandwidth community. This extended community encodes the bandwidth of a given next hop, and when combined with multipath, the load-balancing algorithm distributes flows across the set of next hops proportional to their relative bandwidths. Put another way, if you have a 10-Mbps and a 1-Mbps next hop, on average nine flows will map to the high-speed next hop for every one that uses the low speed.

Use of BGP bandwidth community is supported only with per-packet load balancing.

The configuration task has two parts:

Configure the external BGP (EBGP) peering sessions, enable multipath, and define an import policy to tag routes with a bandwidth community that reflects link speed.

Enable per-packet (really per-flow) load balancing for optimal distribution of traffic.

https://www.juniper.net/documentation/us/en/software/junos/bgp/topics/topic-map/load-balancing-bgp-session.html

QUESTION 5

Referring to the exhibit,traffic ingresses on interface ge-0/0/3 and egresses on interface ge- 0/0/4. Which queue does traffic with the IP precedence value of 100 use?

```
[edit interfaces]
user@router# show
ge-0/0/3 {
    unit 0 {
        family inet {
            address 10.42.67.1/30;
        }
    }
}
ge-0/0/4 {
    unit 0 {
        family inet {
            filter {
                input cos;
            }
            address 10.42.16.1/30;
        }
    }
}
[edit class-of-service]
user@router# show
classifiers {
    inet-precedence cos {
        forwarding-class best-effort {
            loss-priority low code-points [ 000 001 010 011 ];
        }
        forwarding-class assured-forwarding {
            loss-priority low code-points 101;
```

```
user@router# show
classifiers {
    inet-precedence cos {
        forwarding-class best-effort {
            loss-priority low code-points [ 000 001 010 011 ];
        }
        forwarding-class assured-forwarding {
            loss-priority low code-points 101;
        }
        forwarding-class expedited-forwarding {
            loss-priority low code-points 100;
        }
        forwarding-class network-control {
            loss-priority low code-points [ 110 111 ];
        }
    }
}
```

```
forwarding-classes {
    queue 0 best-effort;
    queue 1 expedited-forwarding;
    queue 2 assured-forwarding;
    queue 3 network-control;
}
interfaces {
    ge-* {
        unit * {
            classifiers {
                inet-precedence default;
            }
        }
    }
    ge-0/0/4 {
        unit 0 {
            classifiers {
                inet-precedence cos;
            }
        }
    }
}
[edit firewall family inet]
user@router# show
filter cos {
    term 1 {
        from {
            precedence [ 0 2 5 ];
        }
        then {
            forwarding-class best-effort;
            accept;
        }
    }
    term 2 {
        from {
            precedence [ 1 4 ];
        }
        then {
        forwarding-class assured-forwarding;
        accept;
    }
}
```

```
term 3 {
    from {
        precedence 3;
    }
    then {
        forwarding-class expedited-forwarding;
        accept;
    }
}
term 4 {
    from {
        precedence [ 6 7 ];
    }
    then {
        forwarding-class network-control;
        accept;
    }

    }
}
[edit class-of-service]
user@router# run show class-of-service classifier name ipprec-default
Classifier: ipprec-default, Code point type: inet-precedence, Index: 12
  Code point          Forwarding class                    Loss priority
  000                 best-effort                         low
  001                 assured-forwarding                  low
  010                 best-effort                         low
  011                 best-effort                         low
  100                 best-effort                         low
  101                 expedited-forwarding                low
  110                 network-control                     low
  111                 network-control                     high
```

A. network-control

B. assured-forwarding

C. best-effort

D. expedited-forwarding

Correct Answer: D