JN0-648^{Q&As}

Enterprise Routing and Switching, Professional (JNCIP-ENT)

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QUESTION 1

```
[edit protocols pim]
user@R1# show
rp {
    bootstrap {
        family inet {
            priority 250;
        }
    }
    local {
        address 10.42.0.1;
        group-ranges {
            224.0.0.0/4;
        }
    }
}
interface ge-0/0/0.0 {
    disable;
}
interface all;


[edit protocols pim]
user@R2# show
rp {
    bootstrap {
        family inet {
            priority 250;
        }
    }
    local {
        address 10.42.0.2;
        group-ranges {
            224.0.0.0/4;
        }
    }
}
interface ge-0/0/0.0 {
    disable;
}
interface all;
```

Referring to the exhibit, there are multiple ASM groups in the 224.0.0.0/4 range.

Which configuration change is needed to ensure R1 is always the RP for group 224.224.1.1?

A. Set the priority on R1 to zero.

B. Increase the priority on R1 to higher than R2.

C. Configure R1 with a higher local RP address.

D. Ensure R1 has a more specific group range.

Correct Answer: A

QUESTION 2

Click the Exhibit button.

```
user@router1> show log isis.log
Oct 8 10:13:59.716935 High Prio SPF scheduled in 0.200000s
Oct 8 10:13:59.716938 L2 Hi-Prio SPF trigger: Reconfig
Oct 8 10:13:59.716939 High Prio SPF scheduled in 0.200000s
Oct 8 10:13:59.717513 Generating LSPs for L2
Oct 8 10:13:59.717532 Scheduling rebuild for L2 fragment router1.00-00,
sequence 0x2 in 0.020000s
Oct 8 10:13:59.717545 ERROR: IS-IS instance does not have a valid V6 router ID
Oct 8 10:13:59.717548 Add router-capability to L2 LSP. Fragment yet to be
allocated
Oct 8 10:13:59.717555 Evaluating interface routes for all levels
Oct 8 10:13:59.718152 L1 route 1.1.1.1/32 not to be advertised. Not exporting.
Oct 8 10:13:59.718154 L2 route 1.1.1.1/32 not to be advertised. Not exporting.
Oct 8 10:13:59.718174 ISIS add interface xe-2/0/0.0
Oct 8 10:13:59.718179 ISIS interface xe-2/0/0.0 up
Oct 8 10:13:59.718181   SPRING_STATS:Not Create sensors for xe-2/0/0.0, as
interface is not up/enabled
Oct 8 10:13:59.718869 Intf lo0.0, learnt address change for IPv4 family
Oct 8 10:13:59.718911 Intf xe-2/0/0.0, learnt address change for ISO family
Oct 8 10:13:59.718918 ISIS reset existing interface xe-2/0/0.0, SA: NO
Oct 8 10:13:59.921142 Didn't alloc session id buf - count zero in spfinfo
0x480b000!
Oct 8 10:13:59.921144 L2 SPF RIB postprocessing complete: 0.000008s
Oct 8 10:13:59.921145 L2 SPF ORR RIB postprocessing complete: Os

Oct 8 10:14:01.216099 Received PTP IIH, source id 0192.0168.0011 on xe-2/0/0.0
Oct 8 10:14:01.216133 ERROR: IIH from 0192.0168.0011 with no matching areas,
interface xe-2/0/0.0
Oct 8 10:14:01.216136   local area 49.0002
Oct 8 10:14:01.796513 ISIS L1 periodic xmit to 09:00:2b:00:00:05 interface xe-
2/0/0.0
Oct 8 10:14:01.517014 ISIS L1 periodic xmit to 09:00:2b:00:00:05 interface xe-
2/0/0.0
Oct 8 10:14:01.747902 L1 Hi-Prio SPF trigger: Flushing adjacencies
Oct 8 10:14:01.747913 High Prio SPF scheduled in 0.200000s
Oct 8 10:14:01.747916 L2 Hi-Prio SPF trigger: Flushing adjacencies
Oct 8 10:14:01.747917 High Prio SPF scheduled in 0.200000s
Oct 8 10:14:01.747952 L1 Adjhold reset
Oct 8 10:14:01.747961 L2 Adjhold reset
Oct 8 10:14:01.950052 Running L1 Full SPF
Oct 8 10:14:01.950067 L1 primary forward SPF initialization complete: 0.000008s
Oct 8 10:14:01.950072 L1 forward SPF primary graph processing complete:
0.000006s
Oct 8 10:14:01.950074 L1 TI-LFA topo-change run complete: 0.000002s
Oct 8 10:14:01.950076 L1 TI-LFA prefix-change run complete: 0.000002s
Oct 8 10:14:01.950084 L1 SPF multiarea postprocessing complete: 0.000006s
Oct 8 10:14:01.950086 Start building L1 unicast routing table
Oct 8 10:14:01.950088 No need to update transit and tracking routes for Node-
SID labels for L1 routing table
Oct 8 10:14:01.950100 Finished building L1 unicast routing table
```

Your IS-IS adjacency is not established as shown in the exhibit. What is the problem?

A. There is an MTU mismatch.

B. There is an invalid IPv6 router ID.

C. There is an area mismatch.

D. There is an invalid IPv4 router ID.

Correct Answer: C

QUESTION 3

Click the Exhibit button.

```
user@router# show routing-instances EVPN1
vtep-source-interface lo0.0;
instance-type virtual-switch;
interface xe-0/3/0.0;
route-distinguisher 10.10.10.50:500;
vrf-import VNI-IMPORTS;
vrf-export VNI-EXPORTS;
protocols {
    evpn {
        encapsulation vxlan ;
        multicast-mode ingress-replication ;
        extended-vni-list [ 101 125-150 3443 ] ;
    }
}
bridge-domains {
    BD-101 {
        vlan-id 101 ;
    }
}
```

You are adding VNI 101 to your EVPN-VXLAN network, but traffic is not being sent or received. Referring to the exhibit, which configuration statement will solve the problem?

A. set routing-instances EVPN1 instance-type evpn

B. set routing-instances EVPN1 vrf-table-label

C. set routing-instances EVPN1 bridge-domains BD-101 vxlan vni 101

D. set routing-instances EVPN1 vxlan encapsulate-inner-vlan

Correct Answer: A

QUESTION 4

What is the correct authentication processing order on EX Series switches when multiple Layer 2 authentication methods are enabled?

A. MAC RADIUS –andgt; 802.1X –andgt; captive portal

B. 802.1X –andgt; MAC RADIUS –andgt; captive portal

C. 802.1X –andgt; captive portal –andgt; MAC RADIUS

D. captive portal –andgt; MAC RADIUS –andgt; 802.1X

Correct Answer: B

QUESTION 5

Click the Exhibit button.

```
[edit]
user@host# show interfaces
ge-1/2/0 {
    unit 0 {
      family inet {
          address 192.169.19.1/24;
          filter {
              input ingress;
          }
        }
      }
    }
}


[edit firewall family inet filter ingress]
user@host#show
term1 {
    from {
        protocol icmp;
    }
    then {
        forwarding-class best-effort;
        accept;
    }
}
term 2 {
    from {
        source-address {
            192.168.20.0/24;
        }
    }
    then {
        forwarding-class expedited-forwarding;
        accept;
    }
}
```

Referring to the exhibit, you configured a new multifield classifier for the ge-1/2/0 interface to move ICMP traffic to the best-effort queue and traffic from 192.168.20.0/24 to the expedited forwarding queue. You received notice that some applications are not working after the change.

Which configuration change will remedy the problem?

A.
```
[edit firewall family inet filter ingress]
user@host# set term 3 then next
```

B.
```
[edit firewall family inet filter ingress]
user@host# set term 3 then accept
```

C.
```
[edit firewall family inet filter ingress]
user@host# set term 2 from protocol tcp
```

D.
```
[edit firewall family inet filter ingress]
user@host# set term 2 from service-filter-hit
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: B

QUESTION 6

Which two statements are correct about a functional ESI LAG interface? (Choose two.)

A. The LACP system ID must be the same.

B. The ESI values must be the same.

C. The LACP system ID must be different.

D. The ESI values must be different.

Correct Answer: AB

QUESTION 7

You are currently using VLAN IDs 2 through 300 within your Layer 2 domain and you need to configure VSTP to prevent loops. You must ensure that all VLANs are loop free.

In this scenario, which statement is correct?

A. You must ensure that the VLANs are balanced between two different root bridges.

B. You must enable RSTP to account for all VLANs.

C. You must ensure that the bridge priority is set to the lowest value on all switches in the Layer 2 domain.

D. You must enable all VLANs, 2 through 300, under the VSTP configuration.

Correct Answer: D

QUESTION 8

Click the Exhibit button.

```
user@switch# run show dot1x interface detail
ge-0/0/15.0
  Role: Authenticator
  Administrative state: Auto
  Supplicant mode: Single-Secure
  Number of retries: 3
  Quiet period: 60 seconds
  Transmit period: 30 seconds
  Mac Radius: Enabled
  Mac Radius Restrict: Disabled
  Reauthentication: Enabled
  Configured Reauthentication interval: 3600 seconds
  Supplicant timeout: 30 seconds
  Server timeout: 30 seconds
  Maximum EAPOL requests: 2
  Guest VLAN member: guest
  Number of connected supplicants: 1
    Supplicant: 50c58dbaed16, 50:C5:8D:BA:ED:16
      Operational state: Authenticated
      Backend Authentication state: Idle
      Authentication method: Server-Fail Vlan
      Authenticated VLAN: guest
      Session Reauth interval: 3600 seconds
      Reauthentication due in 3393 seconds
```

You are authenticating user devices connected to your EX Series switch. You have 802.1X and MAC RADIUS configured for all ports. A user is complaining about the time it takes to connect their non-802.1X device on ge-0/0/15 using MAC RADIUS authentication.

Referring to the exhibit, what should be done to accelerate the authentication process?

A. Configure the restrict feature for MAC RADIUS on ge-0/0/15.

B. Configure the no-reauthenticationfeature for 802.1X on ge-0/0/15.

C. Change the 802.1X retry attempts value to 5 on ge-0/0/15.

D. Change the supplicant mode to multipleon ge-0/0/15.

Correct Answer: D

QUESTION 9

You want to view the VLANs that have been created dynamically using MVRP. Which operational mode command will display this information?

A. show mvrp registration-state

B. show mvrp dynamic-vlan-memberships

C. show mvrp interface

D. show mvrp applicant-state

Correct Answer: B

QUESTION 10

You must ensure that all management traffic sourced from your Junos devices is set with a specific DSCP code-point value.

Which action will accomplish this task?

A. Apply the DSCP code-point to the [edit class-of-service host-outbound-traffic]hierarchy.

B. Apply the DSCP code-point to the [edit class-of-service interface lo0.0]hierarchy

C. Apply the DSCP code-point in an egress policer.

D. Apply the DSCP code-point to a rewrite rule.

Correct Answer: A

QUESTION 11

You are implementing a single spanning tree instance in your network and want to use the protocol that will give you the best convergence time in the event of a physical network failure of the root bridge.

Which spanning tree protocol will satisfy this requirement?

A. RSTP

B. STP

C. MSTP

D. VSTP

Correct Answer: A

QUESTION 12

Which EVPN route type is used for fast convergence and for advertising the split horizon label?

A. Type 4

B. Type 2

C. Type 5

D. Type 1

Correct Answer: D

QUESTION 13

You are asked to deploy 802.1X on your EX Series switches. You need to ensure authenticated devices continue to have access to the network even if the authentication server fails.

Which action meets this configuration objective?

A. Configure the server fail fallback with a value of sustain.

B. Set the reauthentication interval to a value of 0.

C. Configure the static MAC bypass for the authentication server.

D. Set the reauthentication interval to a value of disable.

Correct Answer: A

QUESTION 14

Click the Exhibit button.

```
user@switch> show dot1x interface ge-0/0/1 detail
ge-0/0/1.0
  Role: Authenticator
  Administrative state: Auto
  Supplicant mode: Multiple
  Number of retries: 3
  Quiet period: 60 seconds
  Transmit period: 30 seconds
  Mac Radius: Enabled
  Mac Radius Restrict: Enabled
  Mac Radius Authentication Protocol: EAP-MD5
  Reauthentication: Enabled
  Configured Reauthentication interval: 3600 seconds
  Supplicant timeout: 30 seconds
  Server timeout: 30 seconds
  Maximum EAPOL requests: 2
  Guest VLAN member: not configured
  Number of connected supplicants: 0
```

Which two statements are true about the 802.1X output shown in the exhibit? (Choose two.)

A. The supplicant is not authenticated using 802.1X.

B. The supplicant is authenticated using 802.1X.

C. EAPoL traffic will be sent out of the ge-0/0/1 interface.

D. EAPoL traffic will not be sent out of the ge-0/0/1 interface.

Correct Answer: AC

QUESTION 15

You are designing a multicast topology to support IPv4 IPTV broadcasts in your organization. The design should support multiple multicast senders with overlapping group addresses while preventing interference between them. Client devices currently do not support IGMPv3.

Which approach would fulfill these requirements?

A. Implement MLD.

B. Assign group addresses in the 224/4 range and implement PIM-DM.

C. Implement PIM-SM and SSM with SSM maps to support IGMPv2 clients.

D. Implement bidirectional PIM.

Correct Answer: B

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