

JN0-663^{Q&As}

Service Provider Routing and Switching, Professional (JNCIP-SP)

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QUESTION 1

What occurs when a router running IS-IS receives an LSP with the overload bit set?

- A. The LSP is ignored during SPF calculation.
- B. The LSP is not added to the link-state database.
- C. The LSP's metric will be set to 65535.
- D. The LSP's metric will be set to 16777215.

Correct Answer: D

QUESTION 2

```
[edit]
user@R4# run show route hidden extensive

inet.0: 7 destinations, 7 routes (5 active, 0 holddown, 1 hidden)
11.11.11.0/24 (1 entry, 0 announced)
  BGP      Preference: 170/-101
           Next hop type: Unusable, Next hop index: 0
           Address: 0xbc4dbb4
           Next-hop reference count: 2
           State: <Hidden Int Ext>
           Peer AS: 65002
           Age: 18
           Validation State: unverified
           Task: BGP_65002_65002.22.22.22.22
           AS path: 65001 I
           Communities: no-export no-advertise
           Accepted
           Localpref: 100
           Router ID: 22.22.22.22
           Indirect next hops: 1
             Protocol next hop: 172.16.1.1
             Indirect next hop: 0x0 - INH Session ID: 0x0

[edit protocols bgp]
user@R2# show
group 65001 {
  neighbor 172.16.1.1 {
    export no-advertise;
    peer-as 65001;
  }
}
group 65002 {
  type internal;
  local-address 22.22.22.22;
  neighbor 44.44.44.44 {
    export no-advertise;
  }
}
import no-export;
export nhs;
local-as 65002;

[edit]
user@R2# show policy-options
policy-statement no-advertise {
  term 1 {
    then {
      community add no-advertise;
    }
  }
}
policy-statement no-export {
  term 1 {
    then community add no-export;
  }
}
policy-statement nhs {
  term 1 {
    then {
      next-hop self;
    }
  }
}
community no-advertise members no-advertise;
community no-export members no-export;
```

R2 is receiving a route from an EBGP neighbor and is advertising the route to R4.

Referring to the exhibit, which configuration on R2 will solve the issue with the route on R4?

- A. Move the no-advertise export policy from group 65002 to a global BGP policy.
- B. Move the nhs policy from a global BGP export policy to an export policy under group 65002.
- C. Move the no-export policy from a global BGP import policy to an import policy under group 65001.
- D. Move the no-advertise export policy from group 65001 to a global BGP policy.

Correct Answer: B

QUESTION 3

```
user@router> show bgp summary
Threading mode: BGP I/O
Groups: 1 Peers: 1 Down peers: 0
Table      Tot Paths  Act Paths  Suppressed  History  Damp State  Pending
inet.0
Peer      AS      InPkt      OutPkt  OutQ      Flaps Last Up/Dwn
State|#Active/Received/Accepted/Damped...
192.168.1.2  64512    33         33      0         1    14:11 Establ
inet.0: 0/0/0/0

user@router> show route advertising-protocol bgp 192.168.1.2

user@router>

user@router> show configuration protocols bgp
group northstar {
  type internal;
  local-address 192.168.1.1;
  family inet {
    unicast;
  }
  neighbor 192.168.1.2;
}
```

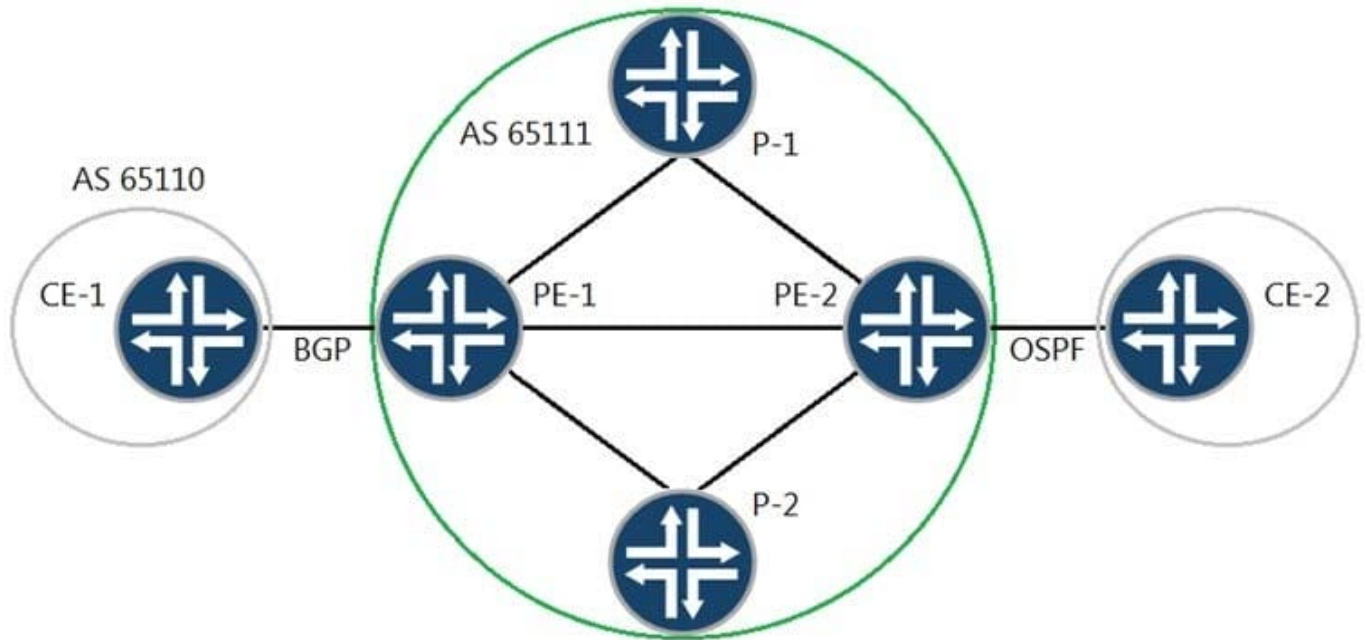
You are troubleshooting BGP routing issues between two MX Series routers. The BGP session is established but no BGP routes are being communicated.

What are two reasons for this problem? (Choose two.)

- A. The peer type should be external.
- B. No active BGP routes are in the inet.0 table.
- C. The peers are in different ASs.
- D. No export routing policy is applied.

Correct Answer: BD

QUESTION 4



You have a Layer 3 VPN established between PE-1 and PE-2 to allow communication between CE-1 and CE-2. You want to establish communication between CE-1 and CE-2.

Referring to the exhibit, which statement is correct?

- A. You will need a BGP export policy on PE-1 to redistribute the OSPF routes, learned from PE-2, to the CE1 BGP neighbor.
- B. You will need a VRF import policy on PE-2 to advertise the OSPF routes, learned from CE-2, through the Layer 3 VPN.
- C. You will need a VRF export policy on PE-2 to redistribute the OSPF routes, learned from CE-2, through the Layer 3 VPN.
- D. You will need a VRF import policy on PE-1 to receive the OSPF routes, learned from PE-2, through the Layer 3 VPN.

Correct Answer: C

QUESTION 5

```
user@R1> show ospf3 interface
Interface      State      Area      DR ID      BDR ID      Nbrs
ge-0/0/0.0    DR         0.0.0.0   172.16.1.2 172.16.1.1   1
ge-0/0/0.0    PtToPt    0.0.0.1   0.0.0.0    0.0.0.0     1
ge-0/0/1.0    BDR       0.0.0.1   172.16.1.1 172.16.1.2   1

user@R1> show ospf3 neighbor
ID            Interface  State  Pri    Dead
172.16.1.1   ge-0/0/0.0 Full   128    39
  Neighbor-address fe80::20c:29ff:fef9:7f7b
  Area 0.0.0.0
172.16.1.1   ge-0/0/0.0 Full   128    37
  Neighbor-address fe80::20c:29ff:fef9:7f7b
  Area 0.0.0.1
172.16.1.1   ge-0/0/1.0 Full   128    37
  Neighbor-address fe80::20c:29ff:fef9:7f85
  Area 0.0.0.1
```

Referring to the exhibit, which OSPFv3 configuration is implemented on router R1?

- A. set protocols ospf3 area 0.0.0.0 interface ge-0/0/0.0 set protocols ospf3 area 0.0.0.1 interface ge-0/0/1.0 set protocols ospf3 area 0.0.0.1 interface ge-0/0/0.0
- B. set protocols ospf3 area 0.0.0.0 interface ge-0/0/0.0 set protocols ospf3 area 0.0.0.1 interface ge-0/0/1.0 set protocols ospf3 area 0.0.0.1 virtual-link neighbor-id 172.16.1.2
- C. set protocols ospf3 area 0.0.0.0 interface ge-0/0/0.0 set protocols ospf3 area 0.0.0.1 interface ge-0/0/1.0 set protocols ospf3 area 0.0.0.1 interface ge-0/0/0.0 secondary
- D. set protocols ospf3 area 0.0.0.0 interface ge-0/0/0.0 set protocols ospf3 area 0.0.0.1 interface ge-0/0/1.0 set protocols ospf3 area 0.0.0.1 interface ge-0/0/0.0 interface-type p2p

Correct Answer: D

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