



# JN0-649<sup>Q&As</sup>

Enterprise Routing and Switching Professional (JNCIP-ENT)

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## QUESTION 1

Referring to the outputs shown in the exhibit, which two statements are correct about the IS-IS adjacency? (Choose two.)

```
user@R1> show isis adjacency extensive
R2
  Interface: ge-1/0/0.0, Level: 2, State: Up, Expires in 7 secs
  Priority: 64, Up/Down transitions: 1, Last transition: 00:02:19 ago
  Circuit type: 2, Speaks: IP, IPv6, MAC address: 4c:96:14:93:9a:96
  Topologies: Unicast
  Restart capable: Yes, Adjacency advertisement: Advertise
  LAN id: R2.02, IP addresses: 10.1.1.2
  Transition log:
  When                State      Event      Down reason
  Mon May 16 11:53:33  Up        Seenself
user@R2> show isis adjacency extensive
R1
  Interface: ge-1/0/1.0, Level: 2, State: Up, Expires in 20 secs
  Priority: 64, Up/Down transitions: 1, Last transition: 00:01:55 ago
  Circuit type: 3, Speaks: IP, IPv6, MAC address: 4c:96:14:93:9a:95
  Topologies: Unicast
  Restart capable: No, Adjacency advertisement: Advertise
  LAN id: R2.02, IP addresses: 10.1.1.1
  Transition log:
  When                State      Event      Down reason
  Mon May 16 11:53:33  Up        Seenself
```

- A. R1 is configured to participate in both Level 1 and Level 2.
- B. R2 is configured to participate in both Level 1 and Level 2.
- C. R1 is configured to participate in Level 2 only.
- D. R2 is configured to participate in Level 2 only.

Correct Answer: AD

## QUESTION 2

You are implementing the route summarization feature of OSPF. Which two results do you achieve in this scenario? (Choose two.)

- A. It helps in migrating to future multi-area OSPF network designs.
- B. It reduced the routing table size, enabling devices to store and process less information.



- C. It reduces the impact of topology changes on a device.
- D. It provides optimal routing in the network.

Correct Answer: BC

OSPF inter-area route summarization reduces the routing information exchanged between areas and the size of routing tables, and improves routing performance. OSPF inter-area route summarization enables an ABR to summarize contiguous networks into a single network and advertise the network to other areas.

### QUESTION 3

A Layer 2 connection does not extend across data centers. The IP subnet in a Layer 2 domain is confined within a single data center. Which EVPN route type is used to communicate prefixes between the data centers?

- A. Type 1
- B. Type 2
- C. Type 4
- D. Type 5

Correct Answer: D

<https://www.juniper.net/documentation/us/en/software/junos/evpn-vxlan/topics/concept/evpn-route-type5-understanding.html#:~:text=In%20the%20control%20plane%2C%20EVPN,subnet%20connectivity%20across%20data%20centers.>

### QUESTION 4

You are asked to configure 802.1X on your access ports to allow only a single device to authenticate. In this scenario, which configuration would you use?

- A. single supplicant mode
- B. multiple supplicant mode
- C. single-secure supplicant mode
- D. MAC authentication mode

Correct Answer: C

Single supplicant mode authenticates only the first end device that connects to an authenticator port. All other end devices connecting to the authenticator port after the first has connected successfully, whether they are 802.1X-enabled or not, are permitted access to the port without further authentication. If the first authenticated end device logs out, all other end devices are locked out until an end device authenticates. Single-secure supplicant mode authenticates only one end device to connect to an authenticator port. No other end device can connect to the authenticator port until the first logs out.

### QUESTION 5



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

```
user@leaf> show route table default-switch.evpn.0 detail
...
2:192.168.100.13:1::5010::00:0c:29:08:04:a0/304 MAC/IP (2 entries, 1 announced)
  *BGP    Preference: 170/-101
          Route Distinguisher: 192.168.100.13:1
          Next hop type: Indirect, Next hop index: 0
          Address: 0xcd690bc
          Next-hop reference count: 12
          Source: 192.168.100.1
          Protocol next hop: 192.168.100.13
          Indirect next hop: 0x2 no-forward INH Session ID: 0x0
          State: <Secondary Active Int Ext>
          Local AS: 65000 Peer AS: 65000
          Age: 8:17      Metric2: 0
          Validation State: unverified
          Task: BGP_65000.192.168.100.1
          Announcement bits (1): 0-default-switch-evpn
          AS path: I (Originator)
          Cluster list: 1.1.1.1
          Originator ID: 192.168.100.13
          Communities: target:65000:5010 encapsulation:vxlan(0x8)
          Import Accepted
          Route Label: 5010
          ESI: 00:00:00:00:00:00:00:00:00:00
          Localpref: 100
          Router ID: 192.168.100.1
          Primary Routing Table: bgp.evpn.0
          Thread: junos-main
```

- A. The host that the route is associated with is multihomed to two leaf nodes.
- B. The route is a Type 1 EVPN route.
- C. The route is a Type 2 EVPN route.
- D. The host that the route is associated with is single-homed to one leaf node.

Correct Answer: CD

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