



JN0-649^{Q&As}

Enterprise Routing and Switching Professional (JNCIP-ENT)

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**QUESTION 1**

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 2

You are asked to establish interface level authentication for users connecting to your network. You must ensure that only corporate devices, identified by MAC addresses, are allowed to connect and authenticate. Authentication must be handled by a centralized server to increase scalability.

Which authentication method would satisfy this requirement?

- A. MAC RADIUS
- B. captive portal
- C. 802.1X with single-secure supplicant mode
- D. 802.1X with multiple supplicant mode

Correct Answer: A

<https://www.juniper.net/documentation/us/en/software/junos/user-access/topics/topic-map/mac-radius-authentication-switching-devices.html>

You can configure MAC RADIUS authentication on an interface that also allows 802.1X authentication, or you can configure either authentication method alone.

If both MAC RADIUS and 802.1X authentication are enabled on the interface, the switch first sends the host three EAPoL requests to the host. If there is no response from the host, the switch sends the host's MAC address to the RADIUS server to check whether it is a permitted MAC address. If the MAC address is configured as permitted on the RADIUS server, the RADIUS server sends a message to the switch that the MAC address is a permitted address, and the switch opens LAN access to the nonresponsive host on the interface to which it is connected.

QUESTION 3

You have scheduled maintenance operations for one of the devices in your OSPF network. Referring to the exhibit,



which three statements are correct? (Choose three.)

```
[edit protocols ospf]
user@R1# show
overload;
area 0.0.0.0 {
    interface ge-0/0/0.0;
interface ge-0/0/1.0;
}
```

- A. R1 does not participate in OSPF routing.
- B. Any traffic destined for networks that terminate on R1 will still be forwarded to R1.
- C. The metrics for all transit interfaces on R1 is set to the maximum value of 65,535.
- D. R1 participates in OSPF routing but does not send or receive transit traffic.
- E. R1 does not send or receive transit traffic during the maintenance window even if no alternative paths exist to the given destination.

Correct Answer: BCD

QUESTION 4

You are deploying IP phones in your enterprise network that must receive their power through their Ethernet connection. You are using your EX Series switch's PoE ports that support IEEE 802.3af.

In this scenario, what is the maximum amount of power allocated to each interface?

- A. 10.2 W
- B. 15.4 W
- C. 30 W
- D. 50 W

Correct Answer: B

QUESTION 5

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

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