



JN0-649^{Q&As}

Enterprise Routing and Switching Professional (JNCIP-ENT)

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QUESTION 1

Which three statements are correct about EVPN route types? (Choose three.)

- A. Type 3 routes carry replication information.
- B. Type 2 routes carry endpoint MAC address information.
- C. Type 2 routes carry endpoint IP address information.
- D. Type 5 routes carry replication information.
- E. Type 1 routes carry endpoint MAC address information.

Correct Answer: ABC

Cisco explains it better: The EVPN control plane advertises the following types of information:

Route type 1 ?This is an Ethernet Auto-Discovery (EAD) route type used to advertise Ethernet segment identifier, Ethernet Tag ID, and EVPN instance information. EAD route advertisements may be sent for each EVPN instance or for each

Ethernet segment.

Route type 2 ?This advertises endpoint reachability information, including MAC and IP addresses of the endpoints or VTEPs.

Route type 3 ?This performs multicast router advertisement, announcing the capability and intention to use ingress replication for specific VNIs.

Route type 4 ?This is an Ethernet Segment route used to advertise the Ethernet segment identifier, IP address length, and the originating router's IP address.

Route type 5 ?This is an IP prefix route used to advertise internal IP subnet and externally learned routes to a VXLAN network.

QUESTION 2

You enable the Multiple VLAN Registration Protocol (MVRP) to automate the creation and management of virtual LANs.

Which statement is correct in this scenario?

- A. The forbidden mode does not register or declare VLANs.
- B. When enabled, MVRP affects all interfaces.
- C. Timers dictate when link state changes are propagated.
- D. MVRP works with RSTP and VSTP.

Correct Answer: A



The forbidden mode does not register or declare VLANs. You can change the registration mode of a specific interface to forbidden. An interface in forbidden registration mode does not participate in MVRP even if MVRP is enabled on the switch. <https://www.juniper.net/documentation/us/en/software/junos/multicast-l2/topics/topic-map/mvrp.html> MVRP is disabled by default on the switches and, when enabled, affects only trunk interfaces. Once you enable MVRP, all VLAN interfaces on the switch belong to MVRP (the default normal registration mode) and those interfaces accept PDU messages and send their own PDU messages. forbidden--The interface does not register or declare VLANs (except statically configured VLANs).

QUESTION 3

Which three configuration parameters must match on all switches within the same MSTP region? (Choose three.)

- A. VLAN to instance mapping
- B. revision level
- C. configuration name
- D. bridge priority
- E. region name

Correct Answer: ABE

When enabling MSTP, you define one or more MSTP regions. An MSTP region defines a logical domain where multiple spanning-tree instances (MSTIs) can be administered independently of MSTIs in other regions, setting the boundary for

bridge protocol data units (BPDUs) sent by one MSTI. An MSTP region is a group of switches that is defined by three parameters:

Region name--User-defined alphanumeric name for the region.

Revision level--User-defined value that identifies the region.

Mapping table--Numerical digest of VLAN-to-instance mappings. <https://www.juniper.net/documentation/us/en/software/junos/stp-l2/topics/topic-map/spanning-tree-configuring-mstp.html>

QUESTION 4

Which address range is used for source-specific multicast?

- A. 239.0.0.0/8
- B. 233.0.0.0/8
- C. 232.0.0.0/8
- D. 224.2.0.0/16

Correct Answer: C

PIM SSM introduces new terms for many of the concepts in PIM sparse mode. PIM SSM can technically be used in the entire 224/4 multicast address range, although PIM SSM operation is guaranteed only in the 232/8 range (232.0.0/24 is



reserved).

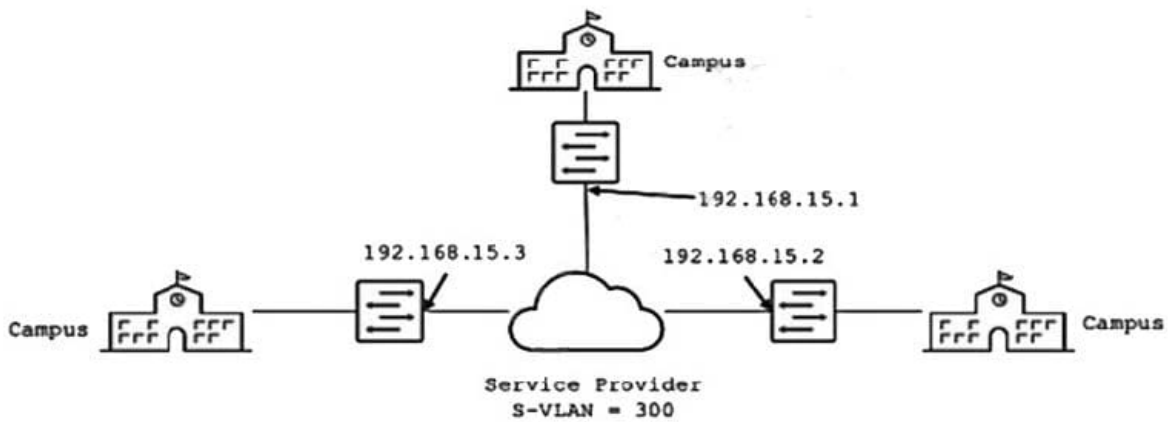
The new SSM terms are appropriate for Internet video applications and are summarized in Table 1.

<https://www.juniper.net/documentation/us/en/software/junos/multicast/topics/concept/multicast-pim-ssm.html>

QUESTION 5

You want to provide Layer 2 connectivity between campus sites using Ethernet switches through a metro Ethernet service provider who is using Q-in-Q tagging on their network.

Referring to the exhibit, what are two design considerations in this environment? (Choose two.)



- A. VXLAN could be implemented on your network across this service provider network.
- B. Each campus switch shown must have a C-Tag 300 configured.
- C. L2PT is required on the SP network to support the spanning tree protocol.
- D. Each campus switch shown must have S-Tag 300 configured.

Correct Answer: CD

<https://www.juniper.net/documentation/us/en/software/junos/multicast-l2/topics/ref/statement/layer2-protocol-tunneling-edit-vlans-l2pt-ex-series.html>

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