



Free Questions for 4A0-105
Shared by Barrera on 04-10-2024

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Question 1

Question Type: MultipleChoice

Click on the exhibit below.

```
PE1>service# vpls 1 customer 1 m-vpls create
PE1>service>vpls# mesh-sdp 500:1 create
PE1>service>vpls>mesh-sdp# exit
PE1>service>vpls# no shutdown
PE1>service>vpls# spoke-sdp 900:1 create
PE1>service>vpls>spoke-sdp# exit
PE1>service>vpls# exit

PE1>service# vpls 100 customer 1 create
PE1>service>vpls# mesh-sdp 500:100 create
PE1>service>vpls>mesh-sdp# exit
PE1>service>vpls# no shutdown
PE1>service>vpls# mesh-sdp 900:100 create
PE1>service>vpls# exit
```

Given the following configuration, which service type will VPLS 1 and VPLS 100 be displayed as with the "show service service-using" command?

Options:

- A- VPLS 1 will be displayed as mVPLS and VPLS 100 will be displayed as VPLS.
- B- VPLS 1 will be displayed as mVPLS and VPLS 100 will be displayed as uVPLS
- C- VPLS 1 will be displayed as VPLS and VPLS 100 will be displayed as VPLS.
- D- VPLS 1 will displayed VPLS and VPLS 100 will be displayed as uVPLS.

Answer:

A

Question 2

Question Type: MultipleChoice

What is the result of initiating an oam mac-ping to an unknown unicast MAC address in a VPLS instance?

Options:

- A- The oam mac-ping will fail. The MAC address must be known in the local FDB to be successful.

- B- The request will be flooded and the only response will come from the PE node that has learned the specified MAC address on a local SAP.
- C- The request will be flooded and the CE device with the corresponding MAC will reply.
- D- All nodes will reply because the oam mac-ping is flooded.

Answer:

B

Question 3

Question Type: MultipleChoice

Which of the following statements regarding unicast and multicast frames is true for a traditional layer 2 switch? (Choose 2)

Options:

- A- Multicast frames only forward out ports that have a known receiver.
- B- Unicast frames only forward out ports that have a known receiver.
- C- If the FDB is empty, unicast and multicast frames are treated equally.
- D- If the FDB has an entry for the unicast frame, both unicast and multicast are treated equally.

Answer:

B, C

Question 4

Question Type: MultipleChoice

In IEEE 802.1ag, how are loops detected?

Options:

- A- Spanning-tree BPDUs are returned to the sender.
- B- The MEP sees its own CFM frames returned to itself.
- C- This is not a function of IEEE 802.1ag but of 802.1D
- D- The record field of the CFM frame keeps track of chassis-mac addresses.

Answer:

B

Question 5

Question Type: MultipleChoice

The "discard-unknown" command has been enabled at the VPLS level. Which of the following statements is true? (Choose 2)

Options:

- A- Broadcast traffic will be flooded.
- B- If the unicastSA has not been learned in the FDB, the frame will be dropped.
- C- If the unicast DA has not been learned in the FDB, the frame will be dropped.
- D- All traffic will be dropped, including multicast and broadcast.
- E- Broadcast traffic will be dropped.

Answer:

A, C

Question 6

Question Type: MultipleChoice

Which of the following is a function of the data plane that must be considered when provisioning a VPLS service?

Options:

- A- Number of LSPs.
- B- Number of TLDP sessions.
- C- Number of SDPs.
- D- MAC address consumption in the FDB.
- E- Bandwidth and replication requirements.

Answer:

E

Question 7

Question Type: MultipleChoice

What is the MTU impact on the SDP path-mtu if fast reroute facilities-mode is implemented on the LSP?

Options:

- A- There will be no impact on the path-mtu.
- B- The path-mtu will decrease by 4 bytes.
- C- The path-mtu will increase by 4 bytes.
- D- The path-mtu will decrease by 8 bytes.
- E- The path-mtu will increase by 8 bytes.

Answer:

B

Question 8

Question Type: MultipleChoice

An I-VPLS can be associated with many B-VPLS services.

Options:

- A- TRUE
- B- FALSE

Answer:

B

Question 9

Question Type: MultipleChoice

You are providing a customer two VPLS services in two different Metro networks. VPLS 500 has been configured in Metro 1 and VPLS 900 has been configured in Metro 2. The customer has requested that they have connectivity between the Metro Networks with their existing VPLS services. Which configuration on the PE routers linking the metro networks will allow for VPLS 500 and VPLS 900 to act as a single VPLS service? Assume default values for all VPLS parameters and SDP 999 exists between the metro networks.

- A. Metro 1>service# vpls 500
Metro 1>service>vpls# spoke-sdp 999:500
Metro 2>service#vpls 900
Metro 2>service>vpls>spoke-sdp 999:500
- B. Metro 1>service# vpls 500
Metro 1>service>vpls# mesh-sdp 999:500
Metro 2>service#vpls 900
Metro 2>service>vpls>mesh-sdp 999:500
- C. Metro 1>service# vpls 500
Metro 1>service>vpls# spoke-sdp 999:500
Metro 2>service#vpls 900
Metro 2>service>vpls>spoke-sdp 999:900
- D. It is not possible to have 2 VPLS services with different service ids to act as a single service when default settings are used.

Options:

- A- Option A
- B- Option B
- C- Option C
- D- Option D

Answer:

A

Question 10

Question Type: MultipleChoice

What type of SDP cannot be configured in an I-VPLS?

Options:

- A- Mesh-sdp
- B- Spoke-sdp
- C- MPLS
- D- GRE

Answer:

A

Question 11

Question Type: MultipleChoice



Which of the following best describes the difference between VPWS and VPLS?

Options:

- A- Unlike VPLS, VPWS appears as a multi-hop network to the customers.
- B- Unlike VPLS, VPWS allows CEs that are member of the same service instance to communicate with each other as if they are connected via a bridged LAN.
- C- Unlike VPWS, VPLS allows customers to view the network as a routed network.
- D- Unlike VPWS, VPLS is a service where customer MAC addresses are learned.

Answer:

D

Question 12

Question Type: MultipleChoice



A router has just learned the 10th MAC address while the FDB size is also set to 10. What is the likely outcome?

Options:

- A- The frame is dropped.
- B- The frame is always flooded

- C- The frame is forwarded and MAC learning is automatically disabled.
- D- The frame is discarded if the destination is unknown.
- E- More information is required to determine the fate of this new frame.

Answer:

C



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