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QUESTION 1

When implementing CSC services, which two methods can be used to exchange label information between the downstream CSC customer carrier and the CSC backbone carrier? (Choose two.)

A. using MP-BGP

B. using RSVP

C. using IGP and LDP

D. using back-to-back VRF

E. using front VRF and internal VRF

Correct Answer: AC

Since the CSC-PE routers do not have to carry external routes in the VRF routing table, they can use the incoming label in the packet to forward the customer carrier Internet traffic. Adding MPLS to the routers provides a consistent method of transporting packets from the customer carrier to the backbone carrier. MPLS allows the exchange of an MPLS label between the CSC-PE and the CSC-CE routers for every internal customer carrier route. The routers in the customer carrier have all the external routes either through IBGP or route redistribution to provide Internet connectivity.

When a backbone carrier and the customer carrier both provide BGP/MPLS VPN services, the method of transporting data is different from when a customer carrier provides only ISP services. The following list highlights those differences.

?hen a customer carrier provides BGP/MPLS VPN services, its external routes are VPN-IPv4 routes. When a customer carrier is an ISP, its external routes are IP routes. ?hen a customer carrier provides BGP/MPLS VPN services, every site within the customer carrier must use MPLS. When a customer carrier is an ISP, the sites do not need to use MPLS.

QUESTION 2

A customer requests Internet through its MPLS provider. Which Internet design model guarantees maximum security and easier provisioning?

A. Internet access through global routing

B. Internet access through route leaking

C. Internet access through a separate VPN service

D. Internet access through multisite

Correct Answer: C

QUESTION 3

Router(config-if-srv)# **xcon**nect 11.205.1.1 141 encapsulation mpls	Binds the VLAN attachment circuit to an Any Transport over MPLS (AToM) pseudowire for EoMPLS.
xconnect peer-router-id vcid encapsulation mpls Example: Router(config)# **xcon**nect 10.0.0.1 123 encapsulation mpls	Binds the attachment circuit to a pseudowire VC. The syntax for this command is the same as for all other Layer 2 transports.

When configuring an EoMPLS PW on a Cisco IOS XR router, what are the two supported transport modes? (Choose two.)

A. ethernet (Ethernet port mode)

B. ip (routed mode)

C. vlan (VLAN-tagged mode)

D. transparent (bridged mode)

Correct Answer: AC

QUESTION 4

Which type of device is present only in an H-VPLS infrastructure, which differentiates it from VPLS?

A. PE

B. CE

C. n-PE

D. u-PE

Correct Answer: D

QUESTION 5

A financial institution is experiencing rapid growth in VPWS branch connections and expects to have approximately 110 sites. If all the branch uplinks implement Ethernet technology, which architectural changes can you propose?

A. a point-to-multipoint technology such as VPLS, to provide more scalability while reducing the administrative required overhead

B. an L2TPv3 implementation, to provide greater flexibility with no topology change

C. a full-mesh BGP network, to better implement a loop-free topology

D. a traditional MPLS L3VPN solution

Correct Answer: B

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