300-515 Q&As

Implementing Cisco Service Provider VPN Services (SVPI)

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QUESTION 1

```
interface Loopback0
  ip address 1.1.1.1 255.255.255.255
  ip ospf 1 area 0
!
interface GigabitEthernet0/1/0
  ip address 10.0.2.1 255.255.255.252
!
service instance 101 ethernet
    encapsulation dot1q 101
    rewrite ingress tag pop 1 symmetric

    l2vpn evpn instance 100 point-to-point
    !
    vpws context vc100
    service target 2 source 1
    member GigabitEthernet0/1/0 service-instance 101
!
interface GigabitEthernet0/1/1
  ip address 10.0.1.1 255.255.255.0
  ip ospf 1 area 0
  mpls ip
!
router bgp 65500
  bgp router-id 1.1.1.1
  neighbor 2.2.2.2 remote-as 65501
  neighbor 2.2.2.2 update-source Loopback0
  !
  address-family ipv4
    neighbor 2.2.2.2 activate
  exit-address-family
!
address-family l2vpn evpn
    neighbor 2.2.2.2 activate
exit-address-family
!
l2vpn evpn instance 100 point-to-point
  !
  vpws context vc100
    service target 2 source 1
    member GigabitEthernet0/0/0
!
```

Refer to the exhibit. An engineer is trying to configure an EVPN VWPS. What is the issue with this configuration?

A. The member in the VPWS context should be the PE-facing interface.

B. The 12vpn evpn command should be instance 101.

C. Interface GigabitEthernet0/1/0 should not have any IP address.

D. The service instance and the EVPN instance are different.

Correct Answer: C

Reference: https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/mp_l2_vpns/configuration/xe-3s/asr903/16-7-1/b-mpls-l2-vpns-xe-16-7-asr900/epvn_vpws_single_homed.pdf

QUESTION 2

Which two frames can be configured on an Ethernet flow point? (Choose two.)

A. of a specific VLAN

B. with different type of service values

C. with identical type of service value

D. with different class of service values

E. with no tags

Correct Answer: AE

Reference: https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/cether/configuration/xe-3s/asr903/16-5-1/b-ce-xe-16-5-asr900/trunk-efp-support.html

QUESTION 3

Which mechanism reduces the network flooding caused by host ARP learning behavior?

A. ARP suppression

B. storm control

C. root guard

D. BPDU guard

Correct Answer: A

Reference: https://www.cisco.com/c/en/us/products/collateral/switches/nexus-7000-series-switches/white-paper-c11-735015.html

QUESTION 4

What must match in the EVPN and L2VPN configuration mode when configuring EVPN native in a router?

A. interface

B. address family

C. bridge domain

D. EVI

Correct Answer: D

Reference: https://www.cisco.com/c/en/us/td/docs/routers/asr9000/software/asr9k-r6-2/lxvpn/configuration/guide/b-l2vpn-cg-asr9000-62x/b-l2vpn-cg-asr9000-62x_chapter_01011.html

QUESTION 5

```
PE1                              PE2
ip vrf CE1                       ip vrf CE2
    rd 111:1                         rd 112 :2
    route-target export 100:1        route-target export 200:2
    route-target import 200:2        route-target import 100:1
                                     route-target import 300:3

PE3
ip vrf Internet
    rd 333:3
    route-target export 300:3
    route-target import 100:1
    route-target import 200:2
```

Refer to the exhibit. PE1 and PE2 are exchanging VPNv4 routes for CE1 and CE2, and PE3 contains the default route to the internet. If the three devices are operating normally, which two conclusions describe this configuration? (Choose two.)

A. The CE1 and CE2 VRFs can exchange routes only between their respective VRFs on PE1 and PE2.

B. All three routers must be running a distance-vector routing protocol.

C. All three routers must be running MP-BGP.

D. The CE1 and CE2 VRFs can access the default route provided by the Internet VRF.

E. Only the CE2 VRF can access the default route provided by the Internet VRF.

Correct Answer: AC

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