



300-515^{Q&As}

Implementing Cisco Service Provider VPN Services (SVPI)

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QUESTION 1

Which two BGP attributes prevent loops in a route reflector environment? (Choose two.)

- A. cluster ID
- B. local preference
- C. origin
- D. originator ID
- E. AS_PATH

Correct Answer: AD

Reference: <https://www.ciscopress.com/articles/article.asp?p=2756480andseqNum=10>

QUESTION 2

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 3

What do routers on the network use to avoid routing loops when OSPF is running as the PE-CE routing protocol on a service provider network?

- A. the AS-Override feature
- B. the DN bit with type 3, 5, or 7 LSA
- C. the domain tag for type 2 LSA
- D. sham links to create a super backbone over the service provider network

Correct Answer: B



QUESTION 4

You are troubleshooting ARP connectivity issues for an Ethernet interface on an IOS XR network that runs IS-IS. You verify that the IGP protocol is running, but an ARP entry has not yet been created. Which action should you take?

- A. debug ping packets
- B. debug ARP
- C. ping the connected neighbor
- D. verify the RIB table routes

Correct Answer: C

QUESTION 5



```
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

  12vpn 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 12vpn evpn
    neighbor 2.2.2.2 activate
  exit-address-family
!
  12vpn 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/xr-3s/asr903/16-7-1/b-mpls-l2-vpns-xr-16-7-asr900/evpn_vpws_single_homed.pdf

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