

4A0-104^{Q&As}

Alcatel-Lucent Services Architecture

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QUESTION 1

What distinguishes a VPLS service from a VPWS service?

- A. VPLS supports point-to-point connections.
- B. VPLS supports multipoint-to-multipoint connections
- C. VPLS supports a distributed service
- D. VPLS supports a local service on a single node.

Correct Answer: B

QUESTION 2

Which of the following statements are TRUE about configuring a SDP between an IES and a VPLS? (Choose two.)

- A. The SDP must be a mesh
- B. The SDP must be a spoke.
- C. Once the SDP is configured on both PE routers, both the services will be operationally up without further configuration changes.
- D. The Layer 2 MTUs must match between the IES and the VPLS
- E. The Layer 2 MTU must be 14 bytes smaller on the VPLS than it is on the IES.

Correct Answer: BD

QUESTION 3

Click the exhibit.

```
R1# show router 100 fib 1

-----
FIB Display
-----
Prefix                                     Protocol
  NextHop
-----
10.1.5.0/24                                LOCAL
   10.1.5.0 (R1-R5)
10.6.4.0/24                                BGP_VPN
   10.10.10.4 (VPRN Label:131065 Transport:LDP)
10.10.10.5/32                              BGP
   10.1.5.5 Indirect (R1-R5)
10.10.10.6/32                              BGP_VPN
   10.10.10.4 (VPRN Label:131065 Transport:LDP)
192.168.10.0/24                            BGP
   10.1.5.5 Indirect (R1-R5)
192.168.20.0/24                           BGP_VPN
   10.10.10.4 (VPRN Label:131065 Transport:LDP)
-----
Total Entries : 6
```

Based on this output from PE router R1, how many other PEs are participating in the VPRN?

- A. 0
- B. 1
- C. 2
- D. 3

Correct Answer: B

QUESTION 4

Which of the following about the components of a service on the Nokia 7750 SR is FALSE?

- A. An SDP can be used by more than one service.
- B. A SAP can only be created on an access port.
- C. The same SAP ID can be used on different PEs by the same service.
- D. A customer can only have a single service associated to it.

Correct Answer: C

QUESTION 5

An operator needs to provision 6VPE on a Nokia 7750 SR that is also used to provide existing IPv4 VPRN services.

IPv6 VPRN customers use BGP as a PE-CE protocol. Which of the following statements is FALSE regarding the configuration steps required?

- A. MP-BGP sessions need to be configured in the service provider network to support a VPN-IPv6 address family.
- B. PE routers must be configured to run MP-BGP and IPv6
- C. PE-to-CE BGP sessions need to be configured to support IPv6.
- D. The provider core must be configured to support IPv6
- E. None of the above statements are false.
- F. All of the above statements are false

Correct Answer: B

QUESTION 6

Which of the following about IES is FALSE?

- A. An IES has a configurable VC MTU.
- B. An IES interface has an IP address assigned to it.
- C. IES supports QoS.
- D. An IES requires a spoke SDP.

Correct Answer: D

QUESTION 7

Which of the following SAP encapsulations support multiple services on a port? (Choose three.)

- A. dot1q
- B. null
- C. qinq
- D. atm
- E. ipcp
- F. bcp-null

Correct Answer: ACD

QUESTION 8

On the Nokia 7750 SR, which one of the following steps is NOT required when enabling an MP-BGP session between PE routers in a VPRN?

- A. Configuring an autonomous system number in the global context.
- B. Configuring a BGP group and peer parameters.
- C. Configuring a VPN-IPv4 address family.
- D. Configuring an export policy to advertise routes between PEs.

Correct Answer: D

QUESTION 9

Which of the following about the VPRN data plane is TRUE?

- A. A packet receives a service label and a transport label at the ingress PE.
- B. A packet has its service label swapped at each P router.
- C. The egress PE pops the service label, and the transport label is forwarded.
- D. The service label is popped by the remote CE.

Correct Answer: A

QUESTION 10

Which of the following about route distinguishers on the Nokia 7750 SR is FALSE?

- A. Route distinguishers are contained in VPN-IPv4 prefixes.
- B. Route distinguishers allow the same IP prefix to be used for more than one destination in a single VPRN.
- C. Route distinguishers allow MP-BGP to manage multiple routes for the same IP prefix.
- D. Route distinguishers are only used by the PE routes.

Correct Answer: B

QUESTION 11

An SDP using GRE encapsulation is configured for an E-pipe service. The network port used by the SDP has an MTU of 8000. What value does the SDP path MTU have by default on a Nokia 7750 SR?

- A. 7958
- B. 7978
- C. 8022

D. 8042

Correct Answer: A

QUESTION 12

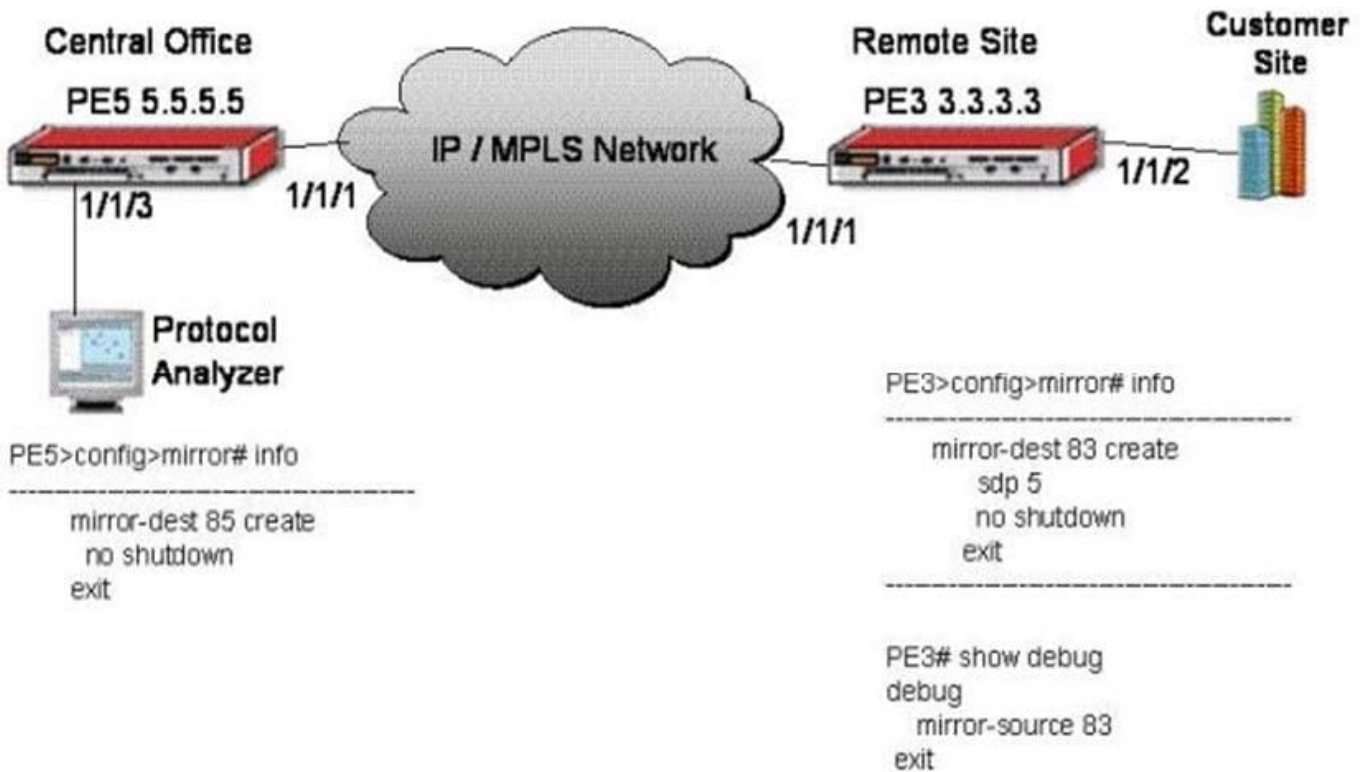
On a Nokia 7750 SR, which of the following statements about the default advertisement of VRF routes is true?

- A. All routes in the VRF are advertised to the PEs and CEs.
- B. No routes in the VRF are advertised to the PEs or to the CEs.
- C. All routes in the VRF are advertised to the PEs, but not to the CEs.
- D. All routes in the VRF are advertised to the CEs, but not to the PEs.

Correct Answer: C

QUESTION 13

Click on the exhibit button below.



Assuming the customer only needs to monitor traffic from PE3 to the customer site, what three items are missing from PE3's configuration? (Assume that the IP/MPLS network structure between the local and remote PEs is in place.) (Choose three.)

- A. The mirror destination configuration on PE5 is missing the "remote-source" command,
- B. The mirror destination on PE3 needs a "remote-source" command.
- C. The mirror service IDs on the local and remote destinations must match.
- D. The mirror source on PE3 needs a "remote-source" command.
- E. The mirror source command on the remote PE3 needs a command that tells it to monitor port 1/1/2.

Correct Answer: ACE

QUESTION 14

An SDP using MPLS encapsulation is configured for an E-pipe service. The network port on the Nokia 7750 SR used by the SDP has an MTU of 8000. What is the SDP path MTU?

- A. 7958
- B. 7978
- C. 8022
- D. 8042

Correct Answer: B

QUESTION 15

Service tunnels and transport tunnels are bidirectional and only require the operator to configure the tunnel on one router.

- A. TRUE
- B. FALSE

Correct Answer: B

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