

Cisco

Exam Questions 350-501

Implementing and Operating Cisco Service Provider Network Core Technologies



NEW QUESTION 1

You are creating new Cisco MPLS TE tunnels. Which type of RSVP message does the headend router send to reserve bandwidth on the path to the tailend router?

- A. path
- B. tear
- C. error
- D. reservation

Answer: A

NEW QUESTION 2

A network engineer must enable the helper router to terminate the OSPF graceful restart process if it detects any changes in the LSA. Which command enables this feature?

- A. nsf ietf helper disable
- B. nsf cisco helper disable
- C. nsf ietf helper strict-lsa-checking
- D. nsf cisco enforce global

Answer: A

NEW QUESTION 3

Which task must be performed first to implement BFD in an IS-IS environment?

- A. Configure BFD in an interface configuration mode.
- B. Disable Cisco Express Forwarding on all interfaces running routing protocols other than IS-IS.
- C. Configure all IS-IS routers as Level 2 devices.
- D. Configure BFD under the IS-IS process.

Answer: D

NEW QUESTION 4

Which two IS-IS parameters must match before two Level 2 peers can form an adjacency? (Choose two.)

- A. hello timer setting
- B. authentication settings
- C. area ID
- D. system ID
- E. MTU

Answer: BE

NEW QUESTION 5

Which two tasks must you perform when you implement LDP NSF on your network? (Choose two.)

- A. Enable NSF for BGP.
- B. Implement direct connections for LDP peers.
- C. Enable NSF for EIGRP.
- D. Disable Cisco Express Forwarding.
- E. Enable NSF for the link-state routing protocol that is in use on the network.

Answer: BE

NEW QUESTION 6

```
R1

router bgp 65000
  router-id 192.268.1.1
  neighbor 192.168.1.2 remote-as 65001
  neighbor 192.168.1.2 password cisco
```

Refer to the exhibit Router R1 and its peer R2 reside on the same subnet in the network. If an engineer implements this configuration to R1, how does it make connections to R2?

- A. R1 establishes TCP connections that are authenticated with a clear-text password.
- B. R1 establishes UDP connections that are authenticated with an MD5 password.
- C. R1 establishes UDP connections that are authenticated with a clear-text password.
- D. R1 establishes TCP connections that are authenticated with an MD5 password.

Answer: D

NEW QUESTION 7

```
R1

ip cef distributed
mpls ldp graceful-restart
interface GigabitEthernet 0/0/1
 mpls ip
 mpls label protocol ldp
```

Refer to the exhibit Which effect of this configuration is true?

- A. R1 can support a peer that is configured for LDP SSO/NSF as the peer recovers from an outage.
- B. R1 can support a graceful restart operation on the peer, even if graceful restart is disabled on the peer.
- C. R1 can failover to any peer.
- D. R1 can failover only to a peer that is configured for LDP SSO/NSF.

Answer: A

NEW QUESTION 8

```
mpls label protocol ldp
mpls ldp router-id loopback 0
mpls ip
ip cef
```

Refer to the exhibit. A network operator working for service provider with an employee id: 1234:56:789 applied this configuration to a router. Which additional step should the engineer use to enable LDP?

- A. Enable MPLS LDP on the interface.
- B. Disable Cisco Express Forwarding globally.
- C. Delete the static router ID.
- D. Configure the both keyword to enable LDP globally.

Answer: A

NEW QUESTION 9

Which utility can you use to locate MPLS faults?

- A. MPLS LSP ping
- B. QoS
- C. MPLS traceroute
- D. EEM

Answer: C

NEW QUESTION 10

```
RP/0/RSP0/CPU0:JFK-PE#show mpls ldp bindings 192.168.10.10/32
Fri Nov 11 21:02:33.124 UTC
192.168.10.10/32, rev 2
  Local bindings: label: ImpNull
  Remote bindings: (2 peers)
    Peer          Label
    -----
    10.10.10.2:0   562656
    10.10.10.5:0   378337
```

Refer to the exhibit. After implementing a new design for the network, a technician reviews the pictures CLI output as part of the MOP. Which two elements describe what the technician can ascertain from the ImpNull output? (Choose two.)

- A. Ultimate Hop Popping is in use for the prefix displayed.
- B. Penultimate Hop Popping is in use for the prefix displayed.
- C. Label 0 is used for the prefix displayed, but will not be part of the MPLS label stack for packets destined for 192.168.10.10.
- D. Label 3 is in use for the prefix displayed and will be part of the MPLS label stack for packets destined for 192.168.10.10.
- E. Label 0 is used for the prefix displayed and will be part of the MPLS label stack for packets destined for 192.168.10.10.

Answer: BE

NEW QUESTION 10

A router RP is configured to perform MPLS LDP graceful restart.

Which three steps are included when the RP sends an LDP initialization message to a neighbor to establish an LDP session? (Choose three.)

- A. Learn from Neighbor (N) flag, set to 1
- B. Recovery Time field
- C. Type-9 LSA
- D. Reconnect Timeout field
- E. Graceful restart capability in OPEN message
- F. Learn from Network (L) flag, set to 1

Answer: BDF

NEW QUESTION 13

A regional MPLS VPN provider operates in two regions and wants to provide MPLS L3VPN service for a customer with two sites in these separate locations. The VPN provider approaches another organization to provide backbone carrier services so that the provider can connect to these two locations. Which statement about this scenario is true?

- A. When edge routers at different regional sites are connected over the global carrier backbone, MP-eBGP must run between the routers to exchange the customer VPNv4 routes.
- B. When eBGP is used for label exchange using the send-label option, MPLS-BGP forwarding is configured under the global ABC CSC PE-to-CE interface.
- C. When BGP is used for both route and label exchange, the neighbor a.b.c.d send-label command is used under the address-family VPNv4 command mode.
- D. When IGP is used for route exchange and LDP for label exchange, MPLS is enabled only on the VRF interface on the backbone-carrier PE side.

Answer: B

NEW QUESTION 16

```
class-map match-any class1
match-protocol ipv4
match qos-group 4
```

Refer to the exhibit. A network engineer is implementing QoS services. Which two statements about the qos-group keyword on Cisco IOS XR are true? (Choose two.)

- A. It marks packets for end-to-end QoS policy enforcement across the network.
- B. QoS group marking occurs on the ingress.
- C. The QoS group numbering corresponds to priority level.
- D. QoS group can be used in fabric QoS policy as match criteria.
- E. It cannot be used with priority traffic class.

Answer: BD

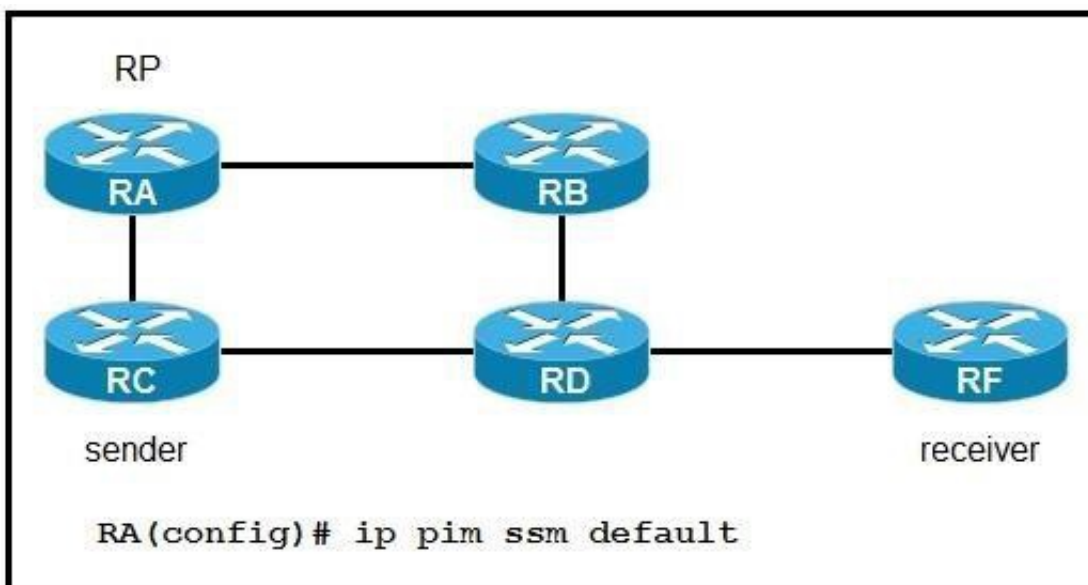
NEW QUESTION 18

Why do packet loops occur during the configuration of BIDIR-PIM?

- A. The network does not support BIDIR-PIM.
- B. The network is partially upgraded to support BIDIR-PIM.
- C. The router has not been configured to advertise itself.
- D. No interface for carrying traffic for multicast groups has been configured.

Answer: B

NEW QUESTION 21



Refer to the exhibit. If router RA is configured as shown, which IPv4 multicast address space does it use?

- A. 224.0.0.0/8
- B. 225.0.0.0/8
- C. 232.0.0.0/8
- D. 239.0.0.0/8

Answer: C

NEW QUESTION 25

What is the difference between SNMP and model- driven telemetry?

- A. SNMP uses the YANG data modeling language.
- B. Telemetry uses traps and inform messages to deliver data to a network administrator on a polling basis.
- C. Telemetry allows for modeled network data to be pushed to the network administrator on an as-needed basis.
- D. SNMP pushes network data to the network administrator whenever it is queried.

Answer: C

NEW QUESTION 28

Which service is a VNF role?

- A. Network
- B. Firewall
- C. Storage
- D. Compute

Answer: A

NEW QUESTION 30

Refer to the exhibit. What is the URL used for with REST API?

- A. It is used to initiate an FTP session to save a running configuration of a device.
- B. It is used to send a message to the APIC to perform an operation on a managed object or class operator.
- C. It is used to contact a URL filter to determine the efficacy of a web address.
- D. It is used to send a TACACS + authentication request to a server.

Answer: B

NEW QUESTION 35

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