



# 642-883<sup>Q&As</sup>

Deploying Cisco Service Provider Network Routing

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**QUESTION 1**

What are three common problems that can cause a BGP neighbor state to toggle between the idle state and the active state? (Choose three.)

- A. BGP network command misconfiguration
- B. route policy misconfiguration
- C. AS number misconfiguration
- D. route map misconfiguration
- E. BGP neighbor peering to wrong IP address
- F. IGP routing problem: not able to reach the source IP address of the BGP open packet

Correct Answer: CEF

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**QUESTION 2**

A network engineer wants to set the local preference to 100 for the specific BGP community sets of 100:1, 101:1, and 102:1. Which option can the engineer use to implement this through RPL, where the BGP community set list is made by the name of lowpri-communities?

- A. route-policy ch-pref if community matches lowpri-communities then set local-preference 100 endif end-policy
- B. route-policy ch-pref if community eq lowpri-communities then set local-preference 100 endif end-policy
- C. route-policy ch-pref if community matches-any lowpri-communities then set local-preference 100 endif end-policy
- D. route-policy ch-pref if community neq lowpri-communities then set local-preference 100 endif end-policy

Correct Answer: C

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**QUESTION 3**

The Cisco IOS XE Software summary-address router IS-IS configuration command can be used to send a summarized route into which IS-IS hierarchy?

- A. Level 1 only
- B. Level 2 only
- C. Level-1-2 only
- D. Level 1 or Level 2 or Level-1-2

Correct Answer: D

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### summary-address (IS-IS)

To create aggregate addresses for IS-IS, use the **summary-address** command in router configuration mode. To restore the default, use the **no** form of this command.

```
summary-address address mask {level-1 | level-1-2 | level-2}
no summary-address address mask {level-1 | level-1-2 | level-2}
```

#### Syntax Description

<i>address</i>	Summary address designated for a range of addresses.
<i>mask</i>	IP subnet mask used for the summary route.
<b>level-1</b>	Only routes redistributed into Level 1 are summarized with the configured address and mask value.
<b>level-1-2</b>	Summary routes are applied when redistributing routes into Level 1 and Level 2 IS-IS, and when Level 2 IS-IS advertises Level 1 routes as reachable in its area.
<b>level-2</b>	Routes learned by Level 1 routing are summarized into the Level 2 backbone with the configured address and mask value. Redistributed routes into Level 2 IS-IS will be summarized also.



C:\Documents and Settings\user-nwz\Desktop\1.JPG

### QUESTION 4

What are two characteristics of the multihomed customers to service providers connection option? (Choose two.)

- A. Multihomed customers must use a private AS number.
- B. The traffic load can be shared for different destination networks between service providers.
- C. Multihomed customers must receive a full routing table from the service providers.
- D. The routing methodology must be capable of reacting to dynamic changes. BGP is used to achieve this flexibility.
- E. Multihomed customers must use a provider-assigned address space.

Correct Answer: BD

### QUESTION 5

Which option describes how an engineer must configure route summarization on a Cisco IOS XE OSPF-enabled network of routers?

- A. area range command under the router OSPF process of the ABR
- B. area range command under the router OSPF process of the router wanting to originate the summary route from
- C. summary-address command under the OSPF process of the ABR
- D. summary-address command under the OSPF process of the router wanting to originate the summary route from



E. network statement for the aggregate address under the router OSPF process on the ABR

F. network statement for the aggregate address under the router OSPF process of the router wanting to originate the summary route from

Correct Answer: A

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