



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

Deploying Cisco Service Provider Network Routing

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**QUESTION 1**

Refer to the OSPF command exhibit.

```
RP/0/RSP0/CPU0:P1(config-ospf)#area 1 stub no-summary
```

Which effect does the no-summary command option have?

- A. It will cause area 1 to be able to receive non-summarized inter-area routes.
- B. It will cause area 1 to not receive any inter-area routes and will use a default route to reach networks in other areas.
- C. It will cause area 1 to not receive any external routes and will use a default route to reach the external networks.
- D. It will convert the NSSA area into a NSSA totally stubby area.
- E. It will convert the stubby area into a NSSA.
- F. It will disable OSPF auto-summary.

Correct Answer: B



To define an area as a stub area, use the **area stub** command in router configuration mode. To disable this function, use the **no** form of this command

```
area area-id stub [no-summary]
```

```
no area area-id stub
```

```
no area area-id
```

#### Syntax Description

<b>area-id</b>	Identifier for the stub area; either a decimal value or an IP address
<b>no-summary</b>	(Optional) Prevents an ABR from sending summary link advertisements into the stub area.

#### Defaults

No stub area is defined.

#### Command Modes

Router configuration

#### Command History

Release	Modification
10.0	This command was introduced.

#### Usage Guidelines

You must configure the **area stub** command on all routers and access servers in the stub area. Use the **area** router configuration command with the **default-cost** option to specify the cost of a default internal route sent into a stub area by an area border router.

There are two stub area router configuration commands: the **stub** and **default-cost** options of the **area** router configuration command. In all routers attached to the stub area, the area should be configured as a stub area using the **stub** option of the **area** command. Use the **default-cost** option only on an ABR attached to the stub area. The **default-cost** option provides the metric for the summary default route generated by the area border router into the stub area.

To further reduce the number of link state advertisements (LSAs) sent into a stub area, you can configure **no-summary** on the ABR to prevent it from sending summary LSAs (LSA type 3) into the stub area.

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

#### QUESTION 2

Which option is a mechanism that can be implemented between two eBGP peers to communicate updates that each peer needs from the other?

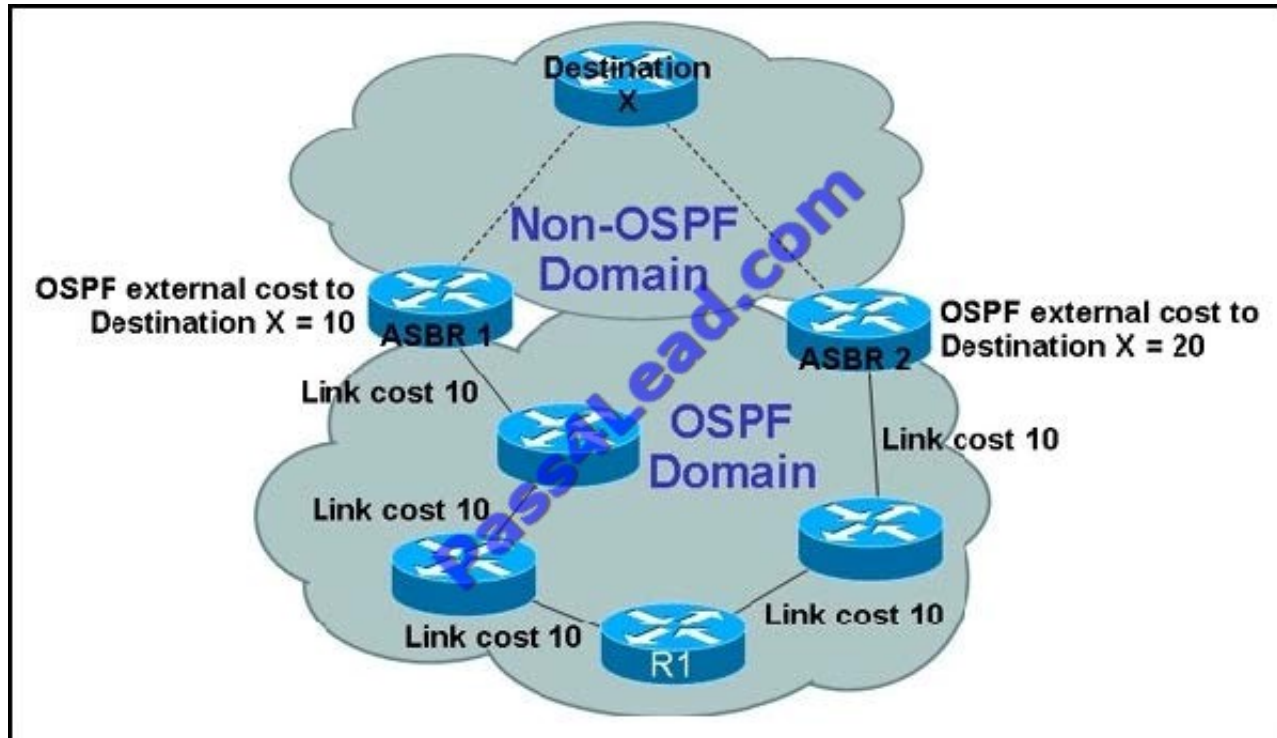
- A. ORF
- B. route map
- C. ACL
- D. prefix list

Correct Answer: A



### QUESTION 3

Refer to the network diagram in the exhibit.



If both ASBRs are advertising the external Destination X network as OSPF E2 route, what is the best path for the R1 router to reach Network X?

- A. R1 will use the path via ASBR 2 as the best path.
- B. R1 will use the path via ASBR 1 as the best path.
- C. R1 will load balance between two equal cost paths via ASBR 1 and ASBR 2.
- D. R1 will see two equal costs and will choose the path through the ASBR with the lower OSPF router ID.

Correct Answer: B

### QUESTION 4

A Network Operation Center requires support to understand OSPFv3 neighborhood operations. During a migration, two OSPFv3 routers became adjacent even though no common subnets were configured on the link interfaces. Which statement explains this problem?

- A. This problem is a bug in Cisco IOS XE, which requires a case to be open with Cisco TAC and an immediate Cisco IOS upgrade to avoid security breaches and rerouting attacks.
- B. IPv6 needs only the link-local address to form an OSPFv3 neighborhood.
- C. The Network Operation Center Engineers did not notice a supernet configured on one end of the IPv6 link.



D. The Network Operation Center Engineers did not add the secondary keyword after the IPv6 address, which causes the router to overwrite the main address.

Correct Answer: B

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#### QUESTION 5

An EIGRP domain is redistributed into an OSPF NSSA area. On which router would this redistribution occur?

- A. stub border router
- B. summary router
- C. autonomous system boundary router
- D. backbone router

Correct Answer: C

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