642-883 Q&As

Deploying Cisco Service Provider Network Routing

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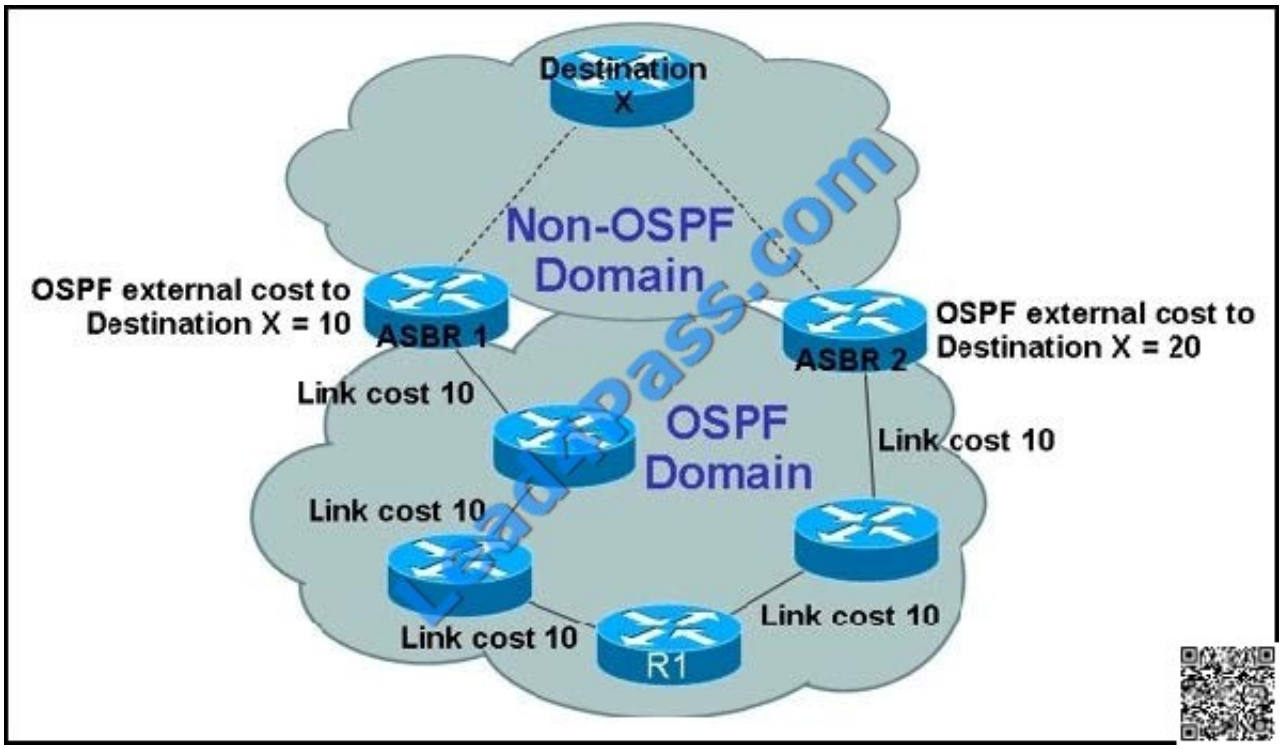
QUESTION 1

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 sees two equal costs and will choose the path through the ASBR with the lower OSPF router ID.

Correct Answer: B

QUESTION 2

An engineer has two routers multihomed to the Internet via BGP. The first should be the primary path for all outbound traffic and the second should automatically become active in the event the primary goes offline. Which method to configure the routers is the most simple?

A. Set the local-preference to be higher on the primary router.

B. Set the local-preference to be lower on the primary router.

C. Set the MED to be higher on the primary router than the backup.

D. Set the primary router to have a higher weight than the backup.

Correct Answer: A

QUESTION 3

What is the default OSPF seed metric and type?

A. 10 and E1

B. 10 and E2

C. 20 and E1

D. 20 and E2

E. 0 and E1

F. 0 and E2

Correct Answer: D

QUESTION 4

Refer to the exhibit.

Which Cisco IOS XE command should be added to this configuration for the BFD protocol to operate successfully?

A. Router1(config-if)#bfd echoRouter2(config-if)#bfd echo

B. Router1(config-ospf-ar-if)#bfd fast-detectRouter2(config-ospf-ar-if)#bfd fast-detect

C. Router1(config-router)#bfd all-interfacesRouter2(config-router)#bfd all-interfaces

D. Router1(config- bfd)#echo-enableRouter2(config- bfd)#echo-enable

Correct Answer: C

QUESTION 5

When using the Cisco IOS XR route policy language to define a logical if-then-else condition, which logical operator has the highest precedence?

A. AND

B. OR

C. NOT

D. IS

E. IN

Correct Answer: C

http://www.cisco.com/en/US/docs/ios_xr_sw/iosxr_r3.0/routing/configuration/guide/rc3rpl.ht ml

Boolean Operator Precedence

Boolean expressions are evaluated in order of operator precedence, from left to right. The highest precedence operator is not, followed by and, and then or. The following expression:

```
med eq 10 and not destination in (10.1.3.0/24) or community matches-any ([10..25]:35)
```

if fully parenthesized to display the order of evaluation would look like this:

```
(med eq 10 and (not destination in (10.1.3.0/24)) or community matches-any ([10..25]:35)
```

The inner not applies only to the destination test; the and combines the result of the not expression with the Multi Exit Discriminator (MED) test, and the or combines that result with the community test. If the order of operations are rearranged:

```
not med eq 10 and destination in (10.1.3.0/24) or community matches-any ([10..25]:35)
```

then the expression, fully parenthesized, would look like the following:

```
((not med eq 10) and destination in (10.1.3.0/24)) or community matches-any ([10..25]:35
```

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

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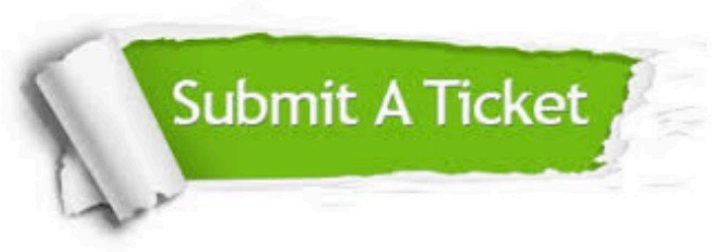

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