



# 300-410<sup>Q&As</sup>

Implementing Cisco Enterprise Advanced Routing and Services (ENARSI) (Include 2023 Newest Simulation Labs)

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### QUESTION 1

An engineer creates a default static route on a router with a next hop of 10.1.1.1. On inspection, the engineer finds the router has two VRFs, Red and Blue. The next hop is valid for both VRFs and exists in each assigned VRF. Which configuration achieves connectivity?

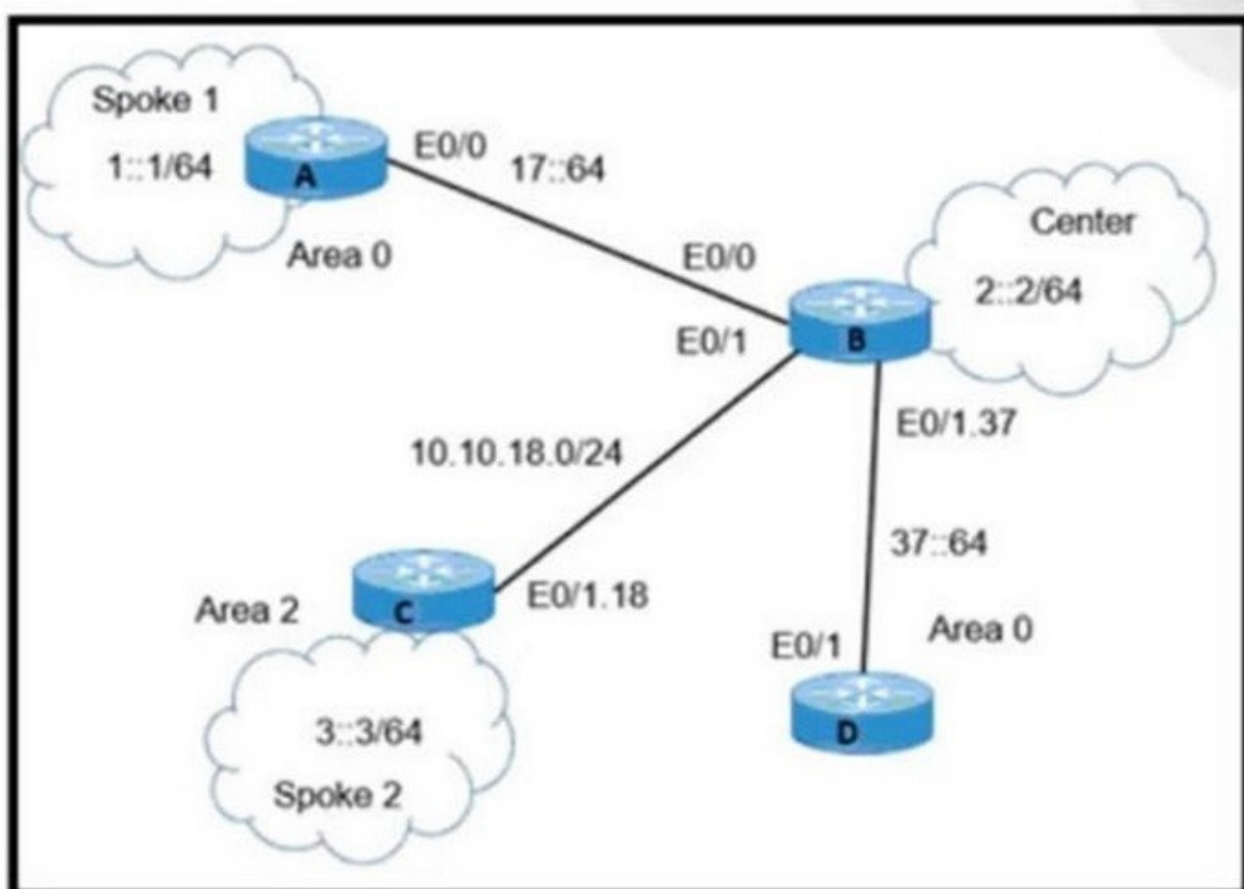
- A. `ip route vrf Red 0.0.0.0 0.0.0.0 10.1.1.1` `ip route vrf Blue 0.0.0.0 0.0.0.0 10.1.1.1`
- B. `ip route vrf BLUE 0.0.0.0 255.255.255.255 10.1.1.1` `ip route vrf RED 0.0.0.0 255.255.255.255 10.1.1.1`
- C. `ip route vrf Red 0.0.0.0 255.255.255.255 10.1.1.1`
- D. `ip route vrf Blue 0.0.0.0 255.255`

Correct Answer: A

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### QUESTION 2

Refer to the exhibit.



```
B(config-if)# do sh run int e0/1 | b int
B(config-if)# interface Ethernet0/1
B(config-if)# ip address 78.1.1.8 255.255.255.0
B(config-if)# ipv6 enable
B(config-if)# ospfv3 1 ipv4 area 1
```

```
C(config)# interface Ethernet0/1.78
C(config-subif)# encap dot1q 78
C(config-subif)# ip add 78.1.1.7 255.255.255.0
C(config-subif)# ospfv3 1 ipv4 area 0
```

```
D(config-if)# do sh run int e0/1 | b int
D(config-if)# interface Ethernet0/1
D(config-if)# no ip address
D(config-if)# ipv6 address 37::3/64
D(config-if)# ipv6 enable
D(config-if)# ipv6 ospf 1 area 0
```



A network engineer receives a report that Spoke 1 users can perform bank transactions with the server located at the Center site, but Spoke 2 users cannot.

Which action resolves the issue?

- A. Configure the Spoke 2 users IP on the router B OSPF domain
- B. Configure encapsulation dot1q 78 on the router C interface.
- C. Configure IPv6 on the routers B and C interfaces
- D. Configure OSPFv2 on the routers B and C interfaces

Correct Answer: C

### QUESTION 3

A network administrator is troubleshooting a redistribution of OSPF routes into EIGRP.

```
router eigrp 1
network 10.0.0.0
!
router ospf 1
network 172.10.0.0 0.0.255.255 area 0
redistribute eigrp 1
```

Given the exhibited commands, which statement is true?

- A. Redistributed routes will have an external type of 1 and a metric of 1.
- B. Redistributed routes will have an external type of 2 and a metric of 20.
- C. Redistributed routes will maintain their original OSPF routing metric.
- D. Redistributed routes will have a default metric of 0 and will be treated as reachable and advertised.
- E. Redistributed routes will have a default metric of 0 but will be treated as unreachable and not advertised.

Correct Answer: B

By default, all routes redistributed into OSPF will be tagged as external type 2 (E2) with a metric of 20, except for BGP routes (with a metric of 1).

Note:

The cost of a type 2 route is always the external cost, irrespective of the interior cost to reach that route. A type 1 cost is the addition of the external cost and the internal cost used to reach that route.

### QUESTION 4

Refer to the exhibit. An engineer must block access to the console ports for all corporate remote Cisco devices based on the recent corporate security policy but the security team still can connect through the console port.



Switch# ! line con 0 logging synchronous line aux 0 line vty 0 4 password cisco@123 login transport input ssh telnet !  
end

Which configuration on the console port resolves the issue?

- A. login and password
- B. exec 0 0
- C. transport input telnet
- D. no exec

Correct Answer: D

"no exec" will disable access to a line. It is used if we want to allow only outgoing session (and disable incoming session) so this command will block all console port access. There is no "exec 0 0" command. We can only find the "exec prompt" command in IOS Version 15.4(2)T4.

```
Router(config-line)#exec ?  
  prompt EXEC prompt  
  <cr>  
  
Router(config-line)#exec pro  
Router(config-line)#exec prompt ?  
  timestamp Print timestamps for show commands  
Router(config-line)#exec prompt
```

The most similar command is "exec-timeout 0 0" command, which is used to prevent Telnet/SSH sessions from timing out.

## QUESTION 5

What is a characteristic of an MPLS LSP tunnel?

- A. bidirectional tunnel
- B. secured bidirectional tunnel
- C. hop-by-hop tunnel
- D. unidirectional tunnel



Correct Answer: D

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