

300-410^{Q&As}

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

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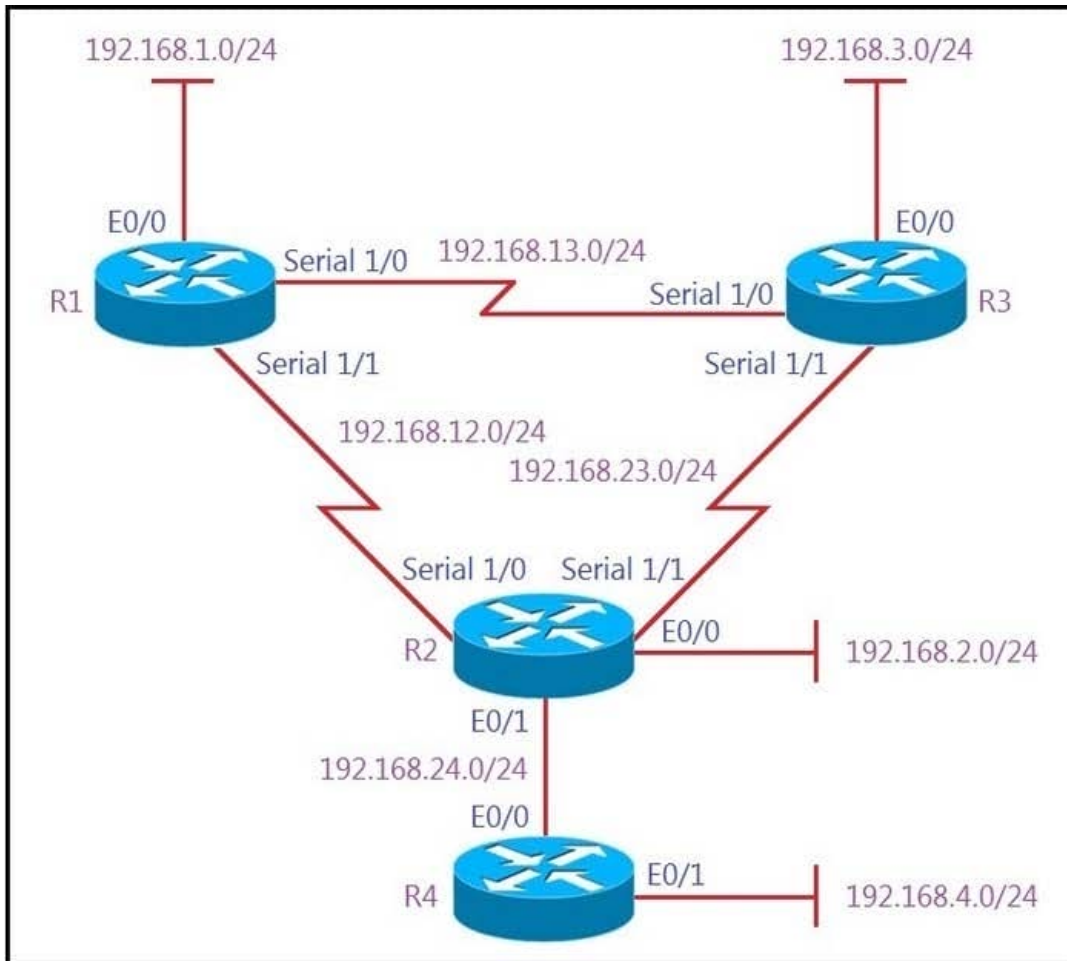
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QUESTION 1

Refer to the exhibits. All the serial links between R1, R2, and R3 have the same bandwidth. Users on the 192.168.1.0/24 network report slow response times while they access resources on network 192.168.3.0/24. When a traceroute is run on the path, it shows that the packet is getting forwarded via R2 to R3 although the link between R1 and R3 is still up.

What must the network administrator do to fix the slowness?



Show IP route on R1

192.168.1.0/24 is variably subnetted, 2 subnets, 2 masks

- C 192.168.1.0/24 is directly connected, Ethernet0/0
 - L 192.168.1.1/32 is directly connected, Ethernet0/0
 - D 192.168.2.0/24 [90/2297856] via 192.168.12.2, 00:02:14, Serial1/1
 - S 192.168.3.0/24 [1/0] via 192.168.12.2
- 192.168.12.0/24 is variably subnetted, 2 subnets, 2 masks
- C 192.168.12.0/24 is directly connected, Serial1/1
 - L 192.168.12.1/32 is directly connected, Serial1/1
- 192.168.13.0/24 is variably subnetted, 2 subnets, 2 masks
- C 192.168.13.0/24 is directly connected, Serial1/0
 - L 192.168.13.1/32 is directly connected, Serial1/0
 - D 192.168.23.0/24 [90/2681856] via 192.168.13.3, 00:06:38, Serial1/0
[90/2681856] via 192.168.12.2, 00:06:38, Serial1/1
 - D 192.168.24.0/24 [90/2195456] via 192.68.12.2, 00:06:38, Serial1/1

- A. Add a static route on R1 using the next hop of R3.
- B. Remove the static route on R1.
- C. Change the Administrative Distance of EIGRP to 5.
- D. Redistribute the R1 static route to EIGRP.

Correct Answer: B

QUESTION 2

Which two features are required for MPLS forwarding on which types of routers? (Choose two.)

- A. MPLS on PE and core routers
- B. LDP on PE and core routers
- C. MPLS on CE and core routers
- D. LDP on PE and CE routers
- E. CEF on PE and CE routers

Correct Answer: AB

QUESTION 3

Which MPLS value is combined with the IP prefix to convert to a VPNv4 prefix?

- A. 8-byte Route Distinguisher
- B. 8-byte Route Target
- C. 16-byte Route Target
- D. 16-byte Route Distinguisher

Correct Answer: A

Reference: https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/mp_l3_vpns/configuration/15-mt/mp-l3-vpns-15-mt-book/mp-bgp-mpls-vpn.html

QUESTION 4

Refer to the exhibit.

```
R3#show cef interface gi0/3
GigabitEthernet0/3 is up (if_number 5)
  Corresponding hwidb fast_if_number 5
  Corresponding hwidb firstsw->if_number 5
  Internet address is 172.16.4.253/30
  ICMP redirects are never sent
  Per packet load-sharing is disabled
  IP unicast RPF check is enabled
  Input features: uRPF
  IP policy routing is disabled
  BGP based policy accounting on input is disabled
  BGP based policy accounting on output is disabled
  Hardware idb is GigabitEthernet0/3
  Fast switching type 1, interface type 27
  IP CEF switching enabled
  IP CEF switching turbo vector
  IP prefix lookup IPv4 mtrie 8-8-8-8 optimized
  Input fast flags 0x4000, Output fast flags 0x0
  ifindex 5(5)
  Slot Slot unit 3 VC -1
  IP MTU 1500
R3#show run int gi0/3
Building configuration...

Current configuration : 162 bytes
!
interface GigabitEthernet0/3
 ip address 172.16.4.253 255.255.255.252
 ip verify unicast source reachable-via rx
 duplex auto
 speed auto
 media-type rj45
end
```

An engineer implements uRPF to increase security and stop incoming spoofed IP packets. Some asymmetrically routed packets are also blocked after the configuration. Which command resolves the issue?

- A. ip verify unicast source reachable-via any
- B. ip verify unicast source reachable-via rx
- C. ip verify unicast reverse-path
- D. ip verify unicast reverse-path any

Correct Answer: A

QUESTION 5

An administrator wants to implement security on his company's router. Please select three options that you will use on your router to secure it. (Choose three.)

- A. Control Access to the router
- B. Restrict all traffic through the router
- C. Restrict SNMP
- D. Enable all unused services
- E. Encrypt all passwords
- F. Disable logging

Correct Answer: ACE

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