

## 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

Refer to the Exhibit.

```
access-list 100 deny tcp any any eq 465
access-list 100 deny tcp any eq 465 any
access-list 100 permit tcp any any eq 80
access-list 100 permit tcp any eq 80 any
access-list 100 permit udp any any eq 443
access-list 100 permit udp any eq 443 any
```

The access-lists are configured on the network device. There is a server behind the network device. User are trying to access the server securely however they are not able to access it. What changes would you recommend to the above configuration?

- A. Permit tcp port 465
- B. Permit tcp port 3389
- C. Permit tcp port 443
- D. Permit tcp any any

Correct Answer: C

---

## QUESTION 2

Refer to the exhibit.

```
R1
!
router bgp 200
no synchronization
bgp log-neighbor-changes
neighbor 192.168.200.6 remote-as 100
neighbor 192.168.200.6 update-source Loopback0
no auto-summary
!
ip route 192.168.200.6 255.255.255.255 192.168.100.1
!
R1#show ip bgp neighbor 192.168.200.6
BGP neighbor is 192.168.200.6, remote AS 100, external link
  BGP version 4, remote router ID 0.0.0.0
  BGP state = Idle
  Last read 00:00:00, last write 00:00:00, hold time is 180, keepalive interval is
  60 seconds
!
For address family: IPv4 Unicast
  BGP table version 1, neighbor version 0/0
  Output queue size: 0
  Index 1, Offset 0, Mask 0x2
!
Connections established 0; dropped 0
Last reset never
No active TCP connection
```

The BGP neighbor is not coming up. Which action resolves the issue?

- A. Configure the ebgp-multihop 2 command on R1 toward the neighbor.
- B. Configure a valid router ID on the neighbor that shows an invalid router ID of 0.0.0.0.
- C. The route map on eBGP sessions must allow the prefixes from the neighbor.
- D. Enable synchronization between the neighbors to bring the neighborship up.

Correct Answer: A

### QUESTION 3

When the auth keyword is used in the snmp-server host command, which of the following must be configured with an authentication mechanism?

- A. the interface
- B. the host
- C. the user
- D. the group

Correct Answer: C

The auth keyword specifies that the user should be authenticated using either the HMAC-MD5 or HMAC-SHA algorithms. These algorithms are specified during the creation of the SNMP user.

For example, the following command creates a user named V3User that will be a member of the SNMP group V3Group and will use HMAC-MD5 with a password of MyPassword:

```
snmp-server user V3User V3Group v3 auth md5 MyPassword
```

The authentication mechanism is not configured on the interface. All SNMP commands are executed at the global configuration prompt.

The authentication mechanism is not configured at the host level. The version and security model (authentication, authentication and encryption, or neither) are set at the host level.

The authentication mechanism is not configured at the SNMP group level. The group level is where access permissions like read and write are set. This is why a user account must be a member of a group to derive an access level, even if it

is a group of one.

Objective:

Infrastructure Services

Sub-Objective:

Configure and verify SNMP

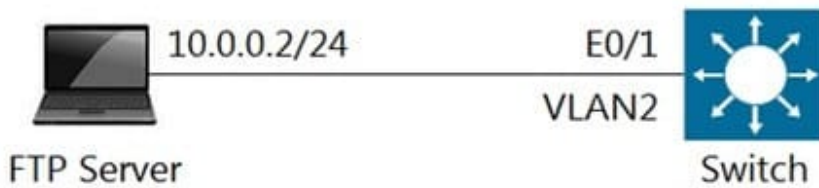
References:

Configuring SNMP Support > Understanding SNMP > SNMP Versions Cisco IOS Network Management Command Reference > snmp-server engineID local through snmp trap link- status > snmp-server host

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## QUESTION 4

Refer to the exhibit. An engineer cannot copy the IOS.bin file from the FTP server to the switch.



```
Username: cisco
Password: cisco
File to download: IOS.bin
```

```
C:\Users\FTPServer>ping 10.0.0.1
```

```
Pinging 10.0.0.1 with 32 bytes of data:
```

```
Reply from 10.0.0.1: bytes=32 time=1ms TTL=64
```

```
Reply from 10.0.0.1: bytes=32 time=1ms TTL=64
```

```
Reply from 10.0.0.1: bytes=32 time=1ms TTL=64
```

```
Reply from 10.0.0.1: bytes=32 time=1ms TTL=64
```

```
Ping statistics for 10.0.0.1:
```

```
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
```

```
Approximate round trip times in milli-seconds:
```

```
    Minimum = 1ms, Maximum = 1ms, Average = 1ms
```

```
Switch#
!
Interface VLAN2
 ip address 10.0.0.1 255.255.255.0
!
 ip ftp source-interface vlan 2
```

```
Switch#copy ftp://cisco:cisco@10.0.0.2/IOS.bin flash:/
Destination filename [IOS.bin]?
Accessing ftp://cisco:cisco@10.0.0.2/IOS.bin...
%Error opening ftp://cisco:cisco@10.0.0.2/IOS.bin (No such file or directory)
```

Which action resolves the issue?

- A. Allow file permissions to download the file from the FTP server.
- B. Add the IOS.bin file, which does not exist on FTP server.
- C. Make memory space on the switch flash or USB drive to download the file.
- D. Use the copy flash:/ ftp://cisco@10.0.0.2/IOS.bin command.

Correct Answer: B

---

## QUESTION 5

Which IPv6 first hop security feature controls the traffic necessary for proper discovery of neighbor device operation and performance?

- A. RA Throttling
- B. Source or Destination Guard
- C. ND Multicast Suppression
- D. IPv6 Snooping

Correct Answer: D

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