
# Free Questions for 200-301 by certsdeals

## Shared by Reid on 06-06-2022

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# Question 1

**Question Type:** MultipleChoice

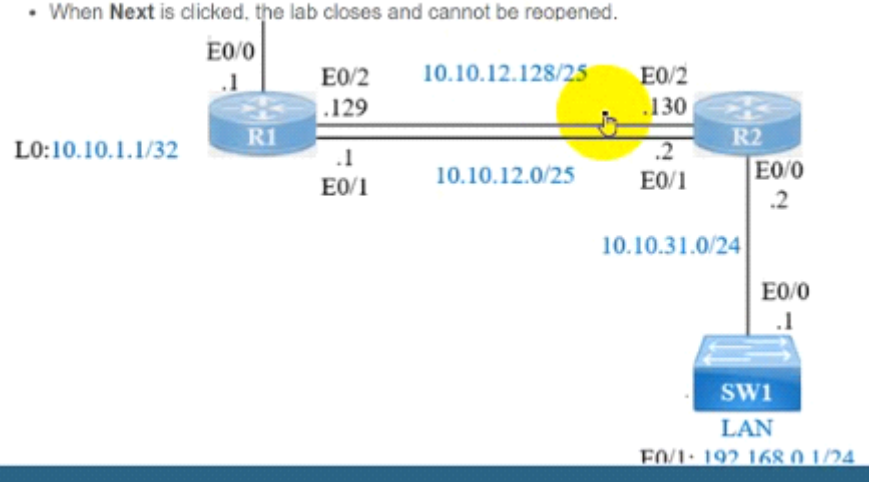
Refer to the exhibit.

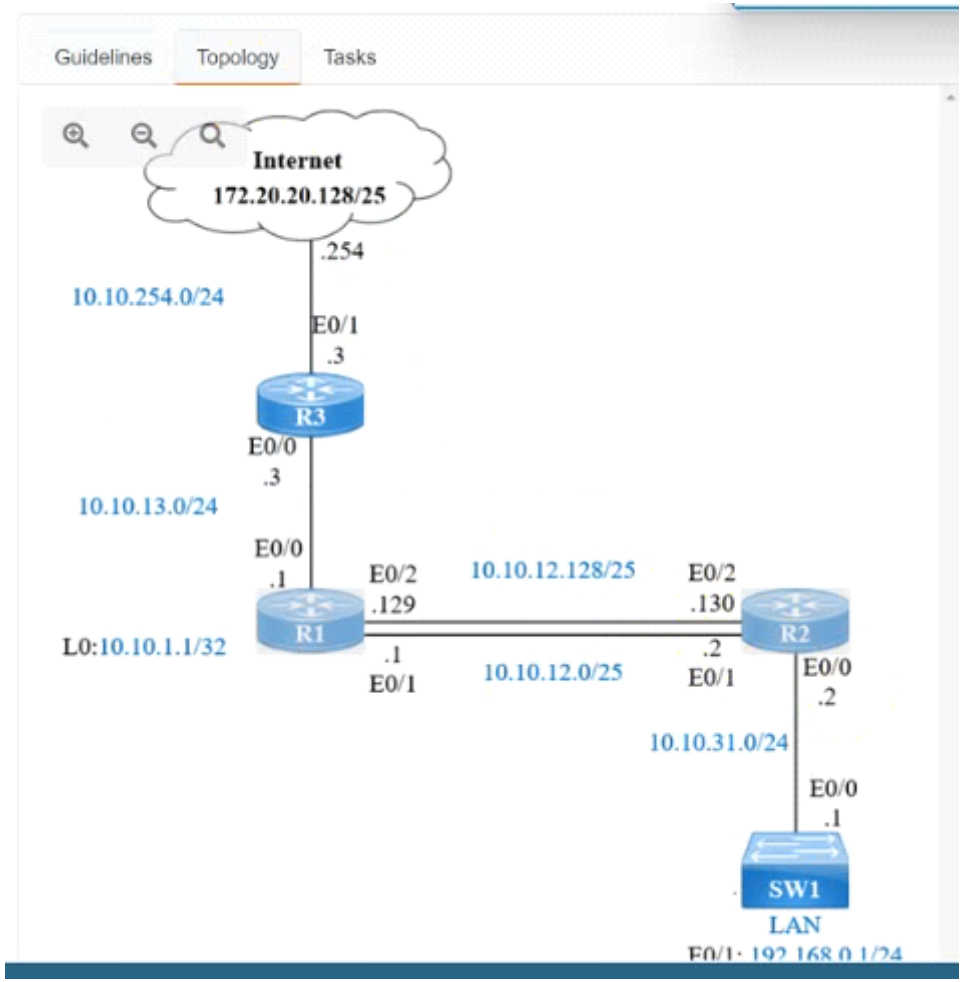
Guidelines | Topology | Tasks

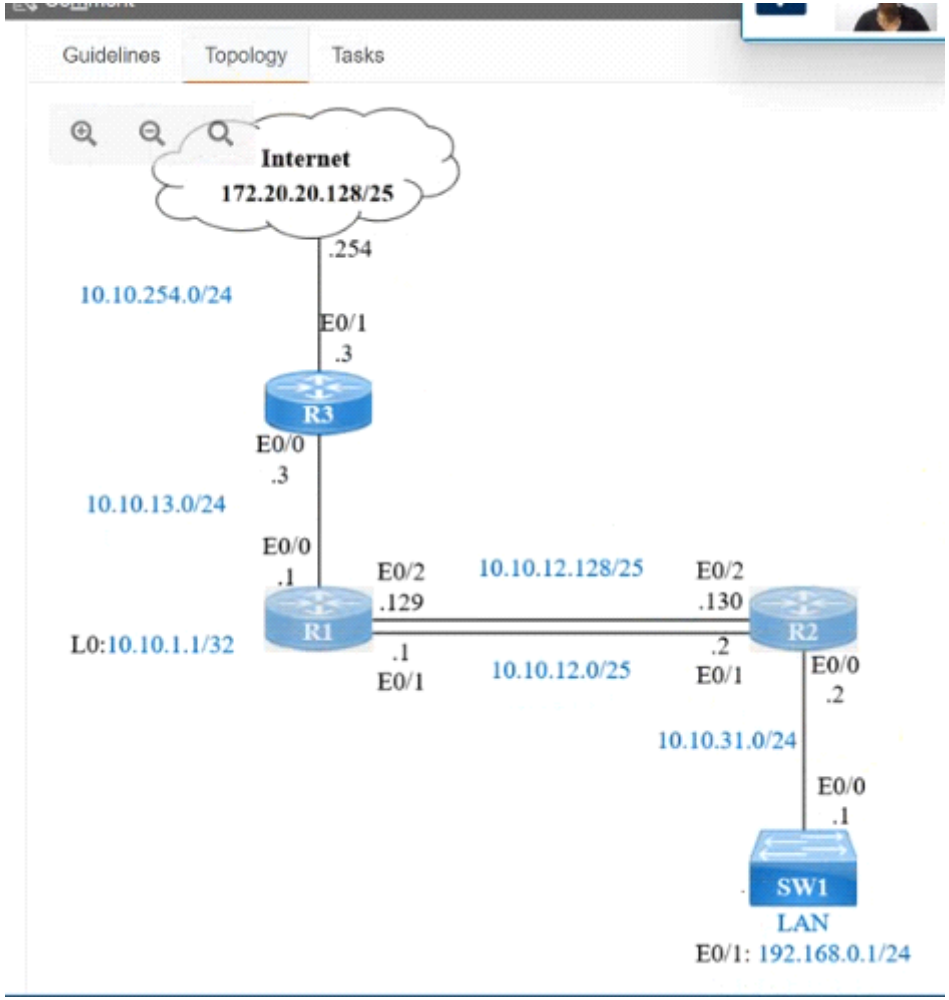
# Guidelines

This is a lab item in which tasks will be performed on virtual devices.

- Refer to the **Tasks** tab to view the tasks for this lab item.
- Refer to the **Topology** tab to access the device console(s) and perform the tasks.
- Console access is available for all required devices by clicking the device icon or using the tab(s) above the console window.
- All necessary preconfigurations have been applied.
- Do not change the enable password or hostname for any device.
- **Save your configurations** to NVRAM before moving to the next item.
- Click **Next** at the bottom of the screen to submit this lab and move to the next question.
- When **Next** is clicked, the lab closes and cannot be reopened.




Guidelines
Topology
Tasks
Internet
172.20.20.128/25
.254
10.10.254.0/24
E0/1
.3
R3
E0/0
.3
10.10.13.0/24
E0/0
.1
E0/2
.129
10.10.12.128/25
E0/2
.130
R1
R2
L0:10.10.1.1/32
.1
E0/1
10.10.12.0/25
.2
E0/1
E0/0
.2
10.10.31.0/24
E0/0
.1
SW1
LAN
E0/1: 192.168.0.1/24




IP connectivity and OSPF are preconfigured on all devices where necessary. Do not make any changes to the IP addressing or OSPF. The company policy uses connected interfaces and next hops when configuring static routes except for load balancing or redundancy without floating static. Connectivity must be established between subnet 172.20.20.128/25 on the Internet and the LAN at 192.168.0.0/24 connected to SW1:

1. Configure reachability to the switch SW1 LAN subnet in router R2.

2. Configure default reachability to the Internet subnet in router R1.

3. Configure a single static route in router R2 to reach to the Internet subnet considering both redundant links between routers R1 and R2. A default route is NOT allowed in router R2.

4. Configure a static route in router R1 toward the switch SW1 LAN subnet where the primary link must be through Ethernet0/1. and the backup link must be through Ethernet0/2 using a floating route. Use the minimal administrative distance value when required.

## Options:

**A-** Explanation:
Answer as below configuration:
On R2:
Enable
Conf t
Ip route 192.168.1.0 255.255.255.0 10.10.31.1
On R1:
Enable
Conf t
Ip route 0.0.0.0 0.0.0.0 10.10.13.3
On R2
Ip route 172.20.20.128 255.255.255.128 e0/2
Ip route 172.20.20.128 255.255.255.128 e0/1
On R1

Ip route 192.168.0.0 255.255.255.0 e0/1

Ip route 192.168.0.0 255.255.255.0 10.10.12.2 3

Save all configurations after every router from anyone of these command

Do wr

Or

Copy run start

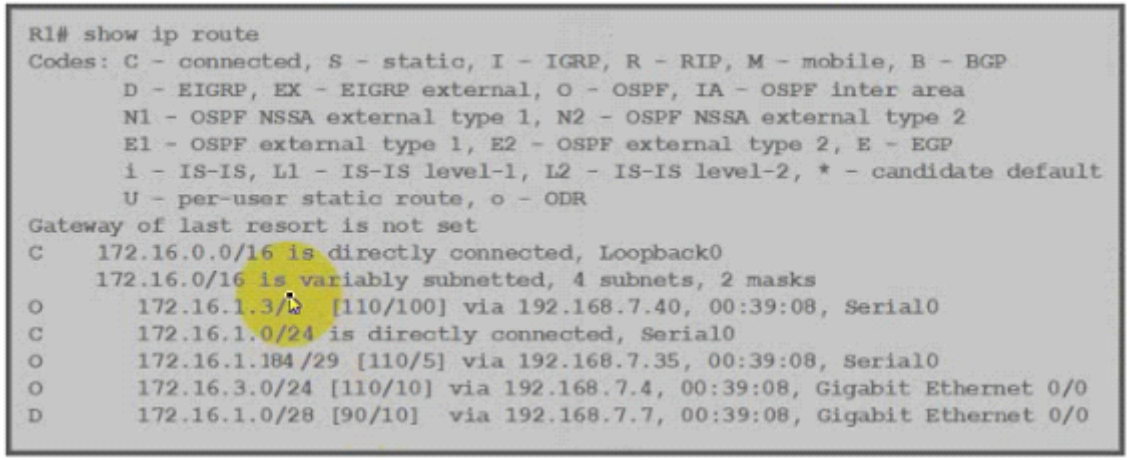
### Answer:

A

## Question 2

**Question Type:** MultipleChoice

Refer to the exhibit.



```
R1# show ip route
Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, * - candidate default
       U - per-user static route, o - ODR
Gateway of last resort is not set
C    172.16.0.0/16 is directly connected, Loopback0
     172.16.0.0/16 is variably subnetted, 4 subnets, 2 masks
O       172.16.1.3/32 [110/100] via 192.168.7.40, 00:39:08, Serial0
C       172.16.1.0/24 is directly connected, Serial0
O       172.16.1.184/29 [110/5] via 192.168.7.35, 00:39:08, Serial0
O       172.16.3.0/24 [110/10] via 192.168.7.4, 00:39:08, Gigabit Ethernet 0/0
D       172.16.1.0/28 [90/10]  via 192.168.7.7, 00:39:08, Gigabit Ethernet 0/0
```

Load-balanced traffic is coming in from the WAN destined to a host at 172.16.1.190. Which next-hop is used by the router to forward the request?

## Options:

**A-** 192.168.7.4

**B-** 192.168.7.7

**C-** 192.168.7.35

**D-** 192.168.7.40

## Answer:

D

# Question 3

**Question Type:** MultipleChoice

What is a function of TFTP in network operations?

## Options:

**A-** transfers a backup configuration file from a server to a switch using a username and password

**B-** transfers files between file systems on a router

**C-** transfers a configuration files from a server to a router on a congested link

**D-** transfers IOS images from a server to a router for firmware upgrades

## Answer:

D

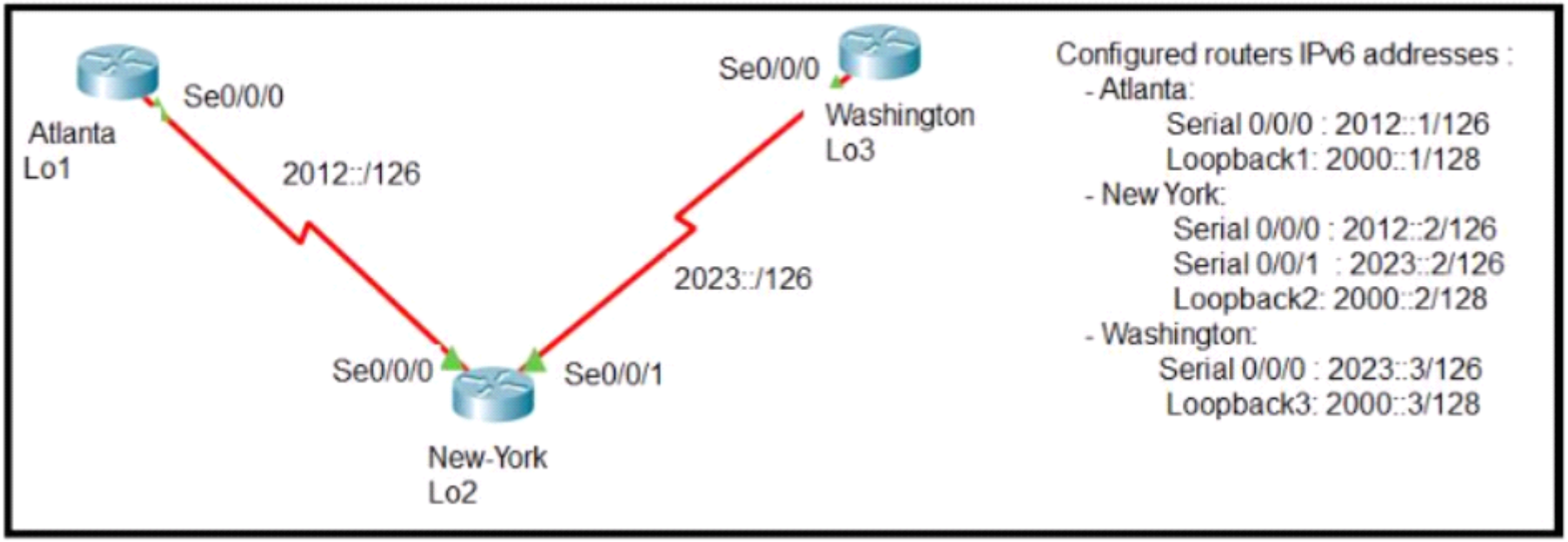
## Explanation:

TFTP is mostly used (Firmware upgrade) whereby the admin have the IOS image on one device and uses TFTP to load the image to all other devices quickly.

# Question 4

**Question Type:** **MultipleChoice**

Refer to the exhibit.



The New York router is configured with static routes pointing to the Atlanta and Washington sites. Which two tasks must be performed so that the Serial0/0/0 interfaces on the Atlanta and Washington routers can reach one another?

(Choose two.)

## Options:

**A-** Configure the ipv6 route 2012::/126 2023::1 command on the Washington router.

**B-** Configure the ipv6 route 2023::/126 2012::1 command on the Atlanta router.

**C-** Configure the Ipv6 route 2012::/126 s0/0/0 command on the Atlanta router.

**D-** Configure the ipv6 route 2023::/126 2012::2 command on the Atlanta router.

**E-** Configure the ipv6 route 2012::/126 2023::2 command on the Washington router.

## Answer:

D, E

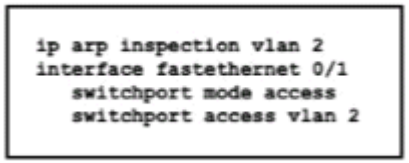
## Explanation:

The short syntax of static IPv6 route is: ipv6 route <destination-IPv6-address> {next-hop-IPv6-address | exit-interface}

# Question 5

**Question Type:** MultipleChoice

Refer to the exhibit.



```
ip arp inspection vlan 2
interface fastethernet 0/1
   switchport mode access
   switchport access vlan 2
```

What is the effect of this configuration?

## Options:

**A-** The switch port interface trust state becomes untrusted

**B-** The switch port remains administratively down until the interface is connected to another switch

**C-** Dynamic ARP inspection is disabled because the ARP ACL is missing

**D-** The switch port remains down until it is configured to trust or untrust incoming packets

## Answer:

A

## Explanation:

Dynamic ARP inspection (DAI) is a security feature that validates ARP packets in a network. It intercepts, logs, and discards ARP packets with invalid IP-to-MAC address bindings. This capability protects the network from certain man-in-the-middle attacks. After enabling DAI, all ports become untrusted ports.

# Question 6

**Question Type:** MultipleChoice

What is a DHCP client?

## Options:

**A-** a workstation that requests a domain name associated with its IP address

**B-** a host that is configured to request an IP address automatically

**C-** a server that dynamically assigns IP addresses to hosts.

**D-** a router that statically assigns IP addresses to hosts.

## Answer:

B

# Question 7

**Question Type:** MultipleChoice

Which networking function occurs on the data plane?

## Options:

**A-** forwarding remote client/server traffic

**B-** facilitates spanning-tree elections

**C-** processing inbound SSH management traffic

**D-** sending and receiving OSPF Hello packets

## Answer:

A