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[Quiz-3](#)

Started on Wednesday, 31 August 2022, 2:05 PM

State Finished

Completed on Wednesday, 31 August 2022, 2:09 PM

Time taken 3 mins 48 secs

Grade 10.00 out of 10.00 (100%)

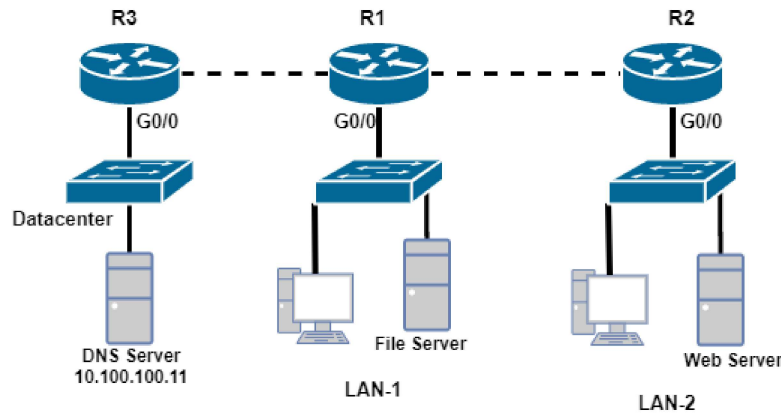
Question 1

Correct

Mark 3.00 out of 3.00

Which set of commands will configure a router as a DHCP server that will assign IPv4 addresses to the LAN-2?

Network Address: Lan-1: 192.168.100.0/23 and Lan-2: 192.168.101.0/22



- ☐ a. R1(Config)# dhcp pool R1G0/0
R1(Config-dhcp)#network 192.168.100.0 255.255.254.0
R1(Config-dhcp)#default-router 192.168.100.1
R1(Config-dhcp)#dns-server 10.100.100.11
R1(Config-dhcp)#exit
- ☐ b. R2(Config)# dhcp pool R2G0/0
R2(Config-dhcp)#network 192.168.100.0 255.255.254.0
R2(Config-dhcp)#default-router 192.168.100.1
R2(Config-dhcp)#dns-server 10.100.100.11
R2(Config-dhcp)#exit
- ☒ c. R2(Config)# dhcp pool R2G0/0
R2(Config-dhcp)#network 192.168.101.0 255.255.252.0
R2(Config-dhcp)#default-router 192.168.101.1
R2(Config-dhcp)#dns-server 10.100.100.11
R2(Config-dhcp)#exit
- ☐ d. R1(Config)# dhcp pool R1G0/0
R1(Config-dhcp)#network 192.168.101.0 255.255.252.0
R1(Config-dhcp)#default-router 192.168.101.1
R1(Config-dhcp)#dns-server 10.100.100.11
R1(Config-dhcp)#exit



Your answer is correct.

The correct answer is:

```
R2(Config)# dhcp pool R2G0/0
R2(Config-dhcp)#network 192.168.101.0 255.255.252.0
R2(Config-dhcp)#default-router 192.168.101.1
R2(Config-dhcp)#dns-server 10.100.100.11
R2(Config-dhcp)#exit
```

Question **2**

Correct

Mark 1.50 out of 1.50

Which of the following statements are true regarding the command *ip route 172.16.4.0 255.255.255.0 192.168.4.2*?

1. The command is used to establish a static route.
2. It is a Default Static Routing.
3. The command is used to configure the default route.
4. The subnet mask for the source address is 255.255.255.0.

- ☐ a. 2 and 3
- ☐ b. 1 and 2
- ☐ c. 4 Only
- ☐ d. All of the above
- ☒ e. 1 Only



Your answer is correct.

The correct answer is:

1 Only

Question 3

Correct

Mark 1.50 out of 1.50

You have the following routing table. Which of the following networks will not be placed in the neighbor routing table?

R 192.168.30.0/24 [120/1] via 192.168.40.1, 00:00:12, Serial0

C 192.168.40.0/24 is directly connected, Serial0

172.16.0.0/24 is subnetted, 1 subnets

C 172.16.30.0 is directly connected, Loopback0

R 192.168.20.0/24 [120/1] via 192.168.40.1, 00:00:12, Serial0

R 10.0.0.0/8 [120/15] via 192.168.40.1, 00:00:07, Serial0

C 192.168.50.0/24 is directly connected, Ethernet0

☐ a. 172.16.30.0

☐ b. _____
192.168.50.0

☒ c. 192.168.10.0



☐ d. 192.168.30.0

Your answer is correct.

The correct answer is:

192.168.10.0

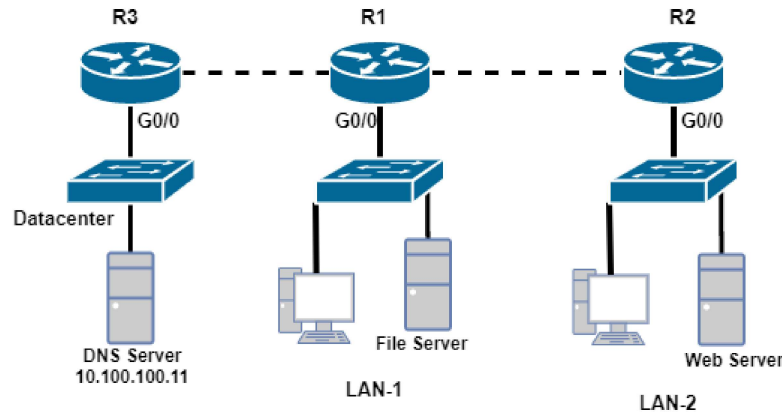
Question 4

Correct

Mark 2.00 out of 2.00

Reserving the first 10 and the last addresses for static assignment in LAN-1 DHCP Configuration.

Network Address: Lan-1: 192.168.100.0/24 and Lan-2: 192.168.101.0/24



- ☒ a. R1(Config)# ip dhcp excluded-address 192.168.100.1 192.168.100.10
R1(Config)# ip dhcp excluded-address 192.168.100.254
- ☐ b. R1(Config)# ip dhcp excluded-address 192.168.100.1 192.168.100.9
R1(Config)# ip dhcp excluded-address 192.168.100.254
- ☐ c. R2(Config)# ip dhcp excluded-address 192.168.100.1 192.168.100.10
R2(Config)# ip dhcp excluded-address 192.168.100.254
- ☐ d. R2(Config)# ip dhcp excluded-address 192.168.101.1 192.168.101.5
R2(Config)# ip dhcp excluded-address 192.168.101.254

Your answer is correct.

The correct answer is:

R1(Config)# ip dhcp excluded-address 192.168.100.1 192.168.100.10

R1(Config)# ip dhcp excluded-address 192.168.100.254

Question 5

Correct

Mark 2.00 out of 2.00

Which command displays the routing table?

- ☒ a. *R1#show ip route*
- ☐ b. *R1#show routing table*
- ☐ c. *R1>show ip route*
- ☐ d. *R#show protocols*



Your answer is correct.

The correct answer is:

R1#show ip route

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