

Check Test10 Dynamic Addressing with DHCP Quiz

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* Indicates required question

Student number & Your name *

Choose



1. Match each description with an appropriate message. *

4 points

DHCPDISCOVER

DHCPREQUEST

DHCPACK

DHCPOFFER

a DHCP server
responding to
the initial
request by a
client

☐☐☐☐

the DHCP
server
confirming that
the address
lease has been
accepted

☐☐☐☐

the client
accepting the
IP address
provided by the
DHCP server

☐☐☐☐

a client
initiating a
message to find
a DHCP

☐☐☐☐

Pre-fill responses, then click "Get link"

2. Which two reasons generally make DHCP the preferred method of assigning IP addresses to hosts on large networks? (Choose two.)

* 1 point

- ☐ It eliminates most address configuration errors.
- ☐ It ensures that addresses are only applied to devices that require a permanent address.
- ☐ It guarantees that every device that needs an address will get one.
- ☐ It provides an address only to devices that are authorized to be connected to the network.
- ☐ It reduces the burden on network support staff.

3. Which message does an IPv4 host use to reply when it receives a DHCP OFFER message from a DHCP server?

* 1 point

- ☐ DHCPACK
- ☐ DHCPDISCOVER
- ☐ DHCP OFFER
- ☐ DHCPREQUEST

4. Which destination IPv4 address does a DHCPv4 client use to send the initial DHCP Discover packet when the client is looking for a DHCP server?

* 1 point

- ☐ 127.0.0.1
- ☐ 224.0.0.1
- ☐ 255.255.255.255
- ☐ the IP address of the default gateway

Pre-fill responses, then click "Get link"

5. Which type of packet is sent by a DHCP server after receiving a DHCP Discover message?

* 1 point

- ☐ DHCP ACK
- ☐ DHCP Discover
- ☐ DHCP Offer
- ☐ DHCP Request

6. What is one advantage of using DHCP to assign addresses to mobile devices?

* 1 point

- ☐ Address leases are temporary and are returned to the pool when the device is turned off.
- ☐ Addresses are permanently assigned to the mobile device and are valid on any network.
- ☐ Using DHCP creates many more registered IPv4 addresses.
- ☐ DHCP enables multiple internal IPv4 addresses to use a single registered global address.

Pre-fill responses, then click "Get link"

7. Refer to the exhibit. A home wireless router is configured to act as a DHCP server. The IP address range is configured to be 192.168.0.100 - 149. What IP address will be assigned automatically to the first device that connects to the wireless router? * 1 point

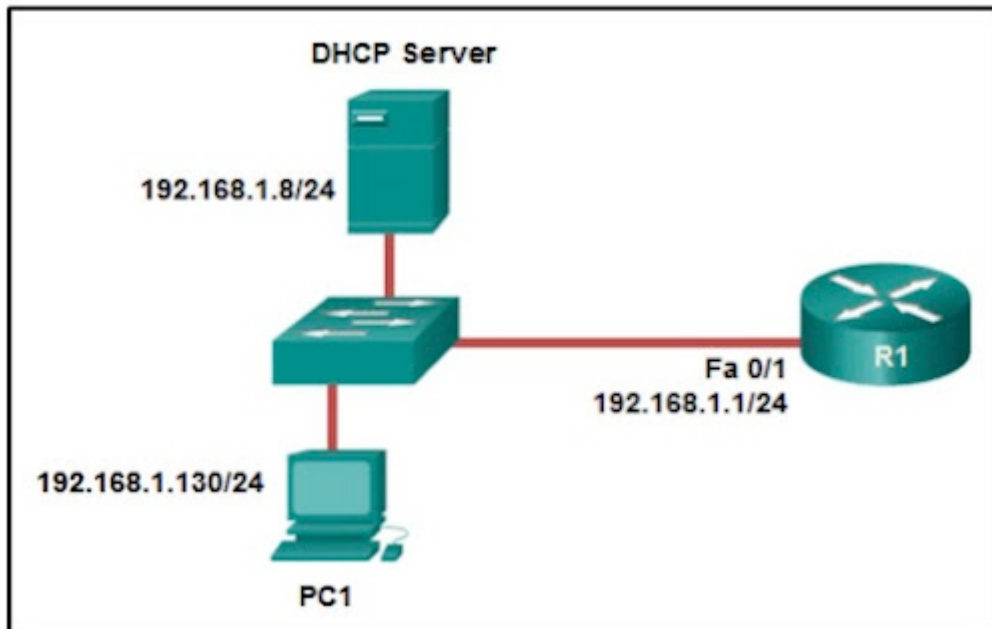
The screenshot shows the 'Network Setup' page of a wireless router. Under the 'DHCP Server Settings' section, the 'DHCP Server' is set to 'Enabled'. The 'Start IP Address' is 192.168.0.100, and the 'Maximum number of Users' is 50. The 'IP Address Range' is displayed as 192.168.0.100 - 149. A 'DHCP Reservation' button is also visible.

- ☐ 192.168.0.1
- ☐ 192.168.0.50
- ☐ 192.168.0.100
- ☐ 192.168.0.149

Pre-fill responses, then click "Get link"

8. Refer to the exhibit. PC1 is configured to obtain a dynamic IP address from the DHCP server. PC1 has been shut down for two weeks. When PC1 boots and tries to request an available IP address, which destination IP address will PC1 place in the IP header?

* 1 point



- ☐ 192.168.1.1
- ☐ 192.168.1.8
- ☐ 192.168.1.255
- ☐ 255.255.255.255

9. Which type of server dynamically assigns an IP address to a host?

1 point

- ☐ ARP
- ☐ DHCP
- ☐ DNS
- ☐ FTP

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10. Which three statements describe a DHCP Discover message? (Choose three.) * 1 point

- ☐ The source MAC address is 48 ones (FF-FF-FF-FF-FF-FF).
- ☐ The destination IP address is 255.255.255.255.
- ☐ The message comes from a server offering an IP address.
- ☐ The message comes from a client seeking an IP address.
- ☐ All hosts receive the message, but only a DHCP server replies.

11. A host PC is attempting to lease an address through DHCP. What message is sent by the server to let the client know it is able to use the provided IP information? * 1 point

- ☐ DHCPDISCOVER
- ☐ DHCPOFFER
- ☐ DHCPREQUEST
- ☐ DHCPACK

Your understanding of today's class *

I didn't understand the class at all 1 2 3 4 5 I understand the class very well

What you did not understand in today's class? (Option)

Your answer

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