Assignment 3

In the DHCP Discover phase:

1. What is the source address? What UDP port is it using?
   1. Source address is 0.0.0.0 and UDP port is 68
2. What is the MAC address of the source?
   1. 00:50:79:66:68:00
3. What is the destination address? Who is the client trying to reach? What UDP Port is it using?
   1. The destination address is 255.255.255.255. the client is trying to reach the router. And the UDP port is 67

In the DHCP Offer phase:

1. What is the source address? What UDP port is it using?
   1. Source address is 192.168.0.1 and the UDP port is 67
2. What address is being offered by the server? What is the lifetime (Lease Time)?
   1. The ip address 192.168.0.104 is being offered by the server. The lifetime is 23 hours

In the DHCP Request phase:

1. Who does the source address send the request to?
   1. It sends it to the 255.255.255.255
2. What is the current address of the source?
   1. 0.0.0.0

In the DHCP ACK phase:

1. Who is the source?
   1. 192.168.0.1
2. Who is the destination? What is the destination’s new address?
   1. The pc that is requesting the ip address 192.168.0.101

Show status of the interface port channel you created:

1. What is the bandwidth?
   1. 10000 kb/s
2. What are the interfaces that form the port channel (provide a screen shot)?
   1. I used ports f1/4 and f1/5
3. What is the protocol being used?
   1. UDP

A screen shot of a computer

Description automatically generated