Vlab 12

Required discussion questions for this week are:

1.3.1: 192.168.12.11

1.3.2: to verify the TCP/IP socket on the local computer

1.4.3: its used to verify if network connections are intact

2.1.2.1: The first column is the IP address, the second column is physical address, the third column is type

3.3.1:Request

3.3.3: request packet is the types of Resolution Protocol

3.3.4: because it is the default gateway

3.3.5: reply packet is the type of MAC address and protocol address.

4.1.6.1: 192.168.12.11

4.1.6.2: Syn flag

4.1.6.3: http 80

4.1.6.4: to close a tcp connection they use a fin flag.

4.3.1: Source port, Destination port, Length, Udp Checksum.

4.3.2:

The TCP stack divides the file into packets, numbers them and then forwards them individually to the IP layer for delivery.

UDP just sends the packets, which means that it has much lower bandwidth overhead and latency.

4.3.3:

The TCP program layer in the client computer waits until all of the packets have arrived, then acknowledges those it receives.

The Udp sender doesn’t wait to make sure the recipient received the packet—it just continues sending the next packets.