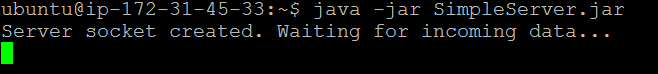
Ruobing Wu

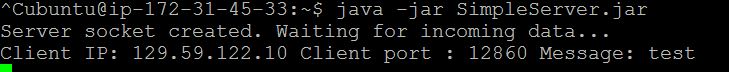
TASK #1

1. My laptop private IP address is: 169.254.97.112
2. HOST A IP address is: 172.31.45.33
3. HOST B IP address is: 172.31.38.47
4. PUBLIC IP Address is: 54.200.181.74

TASK #4

Before running SimpleClient on my latop, it shows nothing



After running Simple Client on my laptop, it shows as below in HOST A, printing out public IP and PORT of my laptop. The port number changes whenever you create a new client.

1. What source IP address and port does Host A see the packet coming from? Is this the same as your laptop’s local IP address?

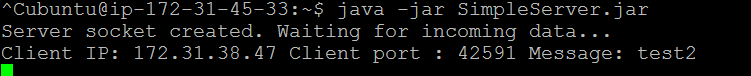
HOST A can see IP 129.59.122.10, and port number is 12860. This is not same as my laptop IP.

1. What is the public IP address of the NAT gateway for your laptop?

My laptop public IP address is 129.59.122.10, what we saw above.

TASK #5

Output:



1. What source IP address and port does Host A see the packet coming from?

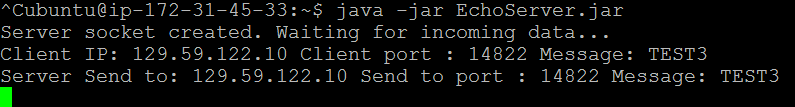
HOST A can see the IP 172.31.38.47, and port number 42591.

1. What is the public IP address of the NAT gateway for Host B?

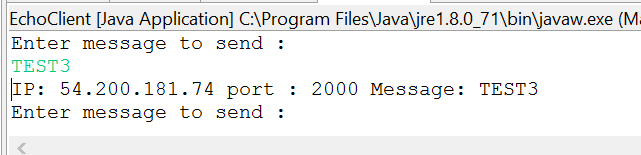
HOST B’s public IP is 54.186.216.253.

TASK #8

Output on HOST A:



Output on my laptop:



1. To what IP address and port did the EchoServer send the response?

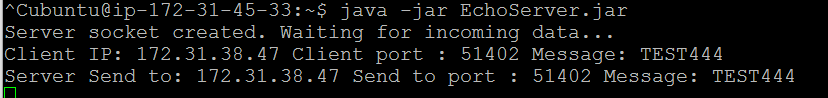
As we can see, EchoServer send packet to IP 129.59.122.10, port 14822.

1. What source IP and port did the EchoClient see the response coming from?

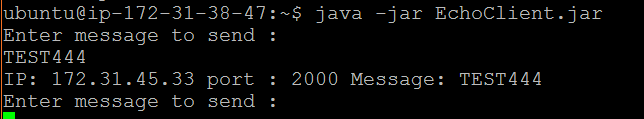
As we can see, EchoClient see the response come from 54.200.181.74.

TASK #9

Output on Host A



Output on Host B



1. To what IP and port did the EchoServer send the response?

As we can see, IP is 172.31.38.47, which is private IP of Host B, and port is 51402.

1. What source IP address and port did the Echoclient see the response coming from?

As we can see, the response is from IP 172.31.45.33, which is private IP of Host A, the port number is 2000.