

Networks Assignment 3

Group Members: Anthony Tortola, Mohammed Al-Shaibani, Supreyo Atonu, Talha Fareed, Adam Mazur

We decided to implement from one to one 1. Detect if a given IP address or Host Name is online or not, 2. Detect the status of a given port at a given IP address. From one to many 1. The job creator asks more than one job seeker to execute an ICMP flood attack against a given IP or subnet 2. The job creator asks more than one job seeker to execute a TCP flood attack (any TCP flood attack) against a given port on a given IP.

We added the new jobs to our first client server implementation. You can see the test cases from the server and client in the screenshots below.

```
The Job Seeker is ready to recieve jobs!!!
Please select one of the attack type [syn, icmp]: icmp
Destination IP: 192.168.1.1
How many packets do you sent [Press enter for 100]: 5
.
Sent 1 packets.
.
Sent 1 packets.
.
Sent 1 packets.
.
Sent 1 packets.
.
Sent 1 packets.
Press ENTER to exit
Begin emission:
Finished sending 1 packets.
.*
Received 2 packets, got 1 answers, remaining 0 packets
Begin emission:
Finished sending 1 packets.
.....
Received 113 packets, got 0 answers, remaining 1 packets
Open
Press ENTER to exit
Begin emission:
Finished sending 1 packets.
.*
Received 2 packets, got 1 answers, remaining 0 packets
Begin emission:
Finished sending 1 packets.
.....
.
Received 139 packets, got 0 answers, remaining 1 packets
Open
Press ENTER to exit
pinging the target....
Begin emission:
Finished sending 1 packets.
.*
Received 2 packets, got 1 answers, remaining 0 packets
This host is up
Press ENTER to exit
pinging the target....
Begin emission:
Finished sending 1 packets.
.*
Received 2 packets, got 1 answers, remaining 0 packets
This host is up
Press ENTER to exit
pinging the target....
Begin emission:
Finished sending 1 packets.
.*
Received 2 packets, got 1 answers, remaining 0 packets
This host is up
Press ENTER to exit
pinging the target....
Begin emission:
Finished sending 1 packets.
.*
Received 2 packets, got 1 answers, remaining 0 packets
This host is up
Press ENTER to exit
```

```
pinging the target....
Begin emission:
Finished sending 1 packets.
.*
Received 2 packets, got 1 answers, remaining 0 packets
This host is up
Press ENTER to exit
Please select one of the attack type [syn, icmp]: syn
Destination IP: 192.168.1.1
Destination Port: 80
How many packets do you sent [Press enter for 100]: 5
.
Sent 1 packets.
.
Sent 1 packets.
.
Sent 1 packets.
.
Sent 1 packets.
.
Sent 1 packets.
Press ENTER to exit
Begin emission:
Finished sending 1 packets.
.*
Received 2 packets, got 1 answers, remaining 0 packets
Begin emission:
Finished sending 1 packets.
.....
Received 93 packets, got 0 answers, remaining 1 packets
Open
Press ENTER to exit
```

```
Subtract two numbers of your choice
Input the first number: 5
Input the second number: 9
Do you want to preform more jobs? (yes or no) yes
Answer From Server: -4
Multiply two numbers of your choice
Input the first number: 5
Input the second number: 5
Do you want to preform more jobs? (yes or no) yes
Answer From Server: 25
Run the flood file
Do you want to preform more jobs? (yes or no) yes
Answer From Server: Complete
Run the port status file
Do you want to preform more jobs? (yes or no) yes
Answer From Server: Complete
Multiply two numbers of your choice
Input the first number: 5
Input the second number: 7
Do you want to preform more jobs? (yes or no) yes
Answer From Server: 35
Add together two numbers of your choice
Input the first number: 2
Input the second number: 4
Do you want to preform more jobs? (yes or no) yes
Answer From Server: 6
Run the port status file
Do you want to preform more jobs? (yes or no) yes
Answer From Server: Complete
Run the ping file
Do you want to preform more jobs? (yes or no) yes
Answer From Server: Complete
Add together two numbers of your choice
Input the first number: 4
Input the second number: 6
Do you want to preform more jobs? (yes or no) yes
Answer From Server: 10
Run the ping file
Do you want to preform more jobs? (yes or no) yes
Answer From Server: Complete
Run the ping file
Do you want to preform more jobs? (yes or no) yes
Answer From Server: Complete
Divide two numbers of your choice
Input the first number: 7
Input the second number: 5
Do you want to preform more jobs? (yes or no) yes
Answer From Server: 1.4
Run the ping file
Do you want to preform more jobs? (yes or no) yes
Answer From Server: Complete
Run the ping file
Do you want to preform more jobs? (yes or no) yes
Answer From Server: Complete
Add together two numbers of your choice
Input the first number: 4
Input the second number: 3
Do you want to preform more jobs? (yes or no) yes
Answer From Server: 7
Add together two numbers of your choice
Input the first number: 3
Input the second number: 9
Do you want to preform more jobs? (yes or no) yes
Answer From Server: 12
Divide two numbers of your choice
Input the first number: 1
Input the second number: 1
Do you want to preform more jobs? (yes or no) yes
Answer From Server: 1.0
Run the flood file
Do you want to preform more jobs? (yes or no) yes
Answer From Server: Complete
Run the port status file
Do you want to preform more jobs? (yes or no) yes
Answer From Server: Complete
Divide two numbers of your choice
Input the first number: 5
Input the second number: 5
Do you want to preform more jobs? (yes or no)
```