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complab304pc15@complab304pc15:~/Desktop$ sudo su root
[sudo] password for complab304pc15:
root@complab304pc15:/home/complab304pc15/Desktop# apt-get install iptables
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
iptables is already the newest version (1.8.7-1ubuntu5).
iptables set to manually installed.
The following packages were automatically installed and are no longer required:
  chromium-codecs-ffmpeg-extra gstreamer1.0-vaapi i965-va-driver
  intel-media-va-driver libaacs0 libaom3 libass9 libavcodec58 libavformat58
  libavutil56 libbdplus0 libbluray2 libbs2b0 libchromaprint1 libcodec2-1.0
  libdavid5 libflite1 libgme0 libgsm1 libgstreamer-plugins-bad1.0-0
  libigdgmm12 liblilv-0-0 libmfx1 libmysofa1 libnorm1 libopenmpt0 libpgm-5.3-0
  libpostproc55 librabbitmq4 librubberband2 libserd-0-0 libshine3 libsord-0-0
  libsratom-0-0 libstr1.4-gnutls libswresample3 libswscale5 libudfread0
  libva-drm2 libva-wayland2 libva-x11-2 libva2 libvdpau1 libvidstab1.1
  libx265-199 libxvidcore4 libzimg2 libzmq5 libzvbi-common libzvbi0
  mesa-va-drivers mesa-va-drivers pocketsphinx-en-us va-driver-all
  vdpau-driver-all
Use 'sudo apt autoremove' to remove them.
0 upgraded, 0 newly installed, 0 to remove and 200 not upgraded.

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root@complab304pc15:/home/complab304pc15/Desktop# iptables -L
Chain INPUT (policy ACCEPT)
target     prot opt source               destination

Chain FORWARD (policy ACCEPT)
target     prot opt source               destination

Chain OUTPUT (policy ACCEPT)
target     prot opt source               destination
root@complab304pc15:/home/complab304pc15/Desktop# ip
Usage: ip [ OPTIONS ] OBJECT { COMMAND | help }
       ip [ -force ] -batch filename
where  OBJECT := { address | addrlabel | fou | help | ila | ioam | l2tp | link |
                  macsec | maddress | monitor | mptcp | mroute | mrule |
                  neighbor | neighbour | netconf | netns | nexthop | ntable |
                  ntbl | route | rule | sr | tap | tcpmetrics |
                  token | tunnel | tuntap | vrf | xfrm }
      OPTIONS := { -V[ersion] | -s[tatistics] | -d[etails] | -r[esolve] |
                  -h[uman-readable] | -iec | -j[son] | -p[retty] |
                  -f[amily] { inet | inet6 | mpls | bridge | link } |
                  -4 | -6 | -M | -B | -0 |
                  -l[oops] { maximum-addr-flush-attempts } | -br[ief] |
                  -o[neline] | -t[imestamp] | -ts[hort] | -b[atch] [filename] |
                  -rc[vbuf] [size] | -n[etns] name | -N[umeric] | -a[ll] |
                  -c[olor]}

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root@complab304pc15:/home/complab304pc15/Desktop# iptables -I OUTPUT -s 192.168.34.37 -d 192.168.34.36 -p icmp -j DROP
root@complab304pc15:/home/complab304pc15/Desktop#
root@complab304pc15:/home/complab304pc15/Desktop# iptables -I OUTPUT -s 192.168.34.37 -d 192.168.34.36 -p icmp -j ACCEPT
root@complab304pc15:/home/complab304pc15/Desktop#

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From 192.168.34.37 icmp_seq=53 Destination Port Unreachable
ping: sendmsg: Operation not permitted
From 192.168.34.37 icmp_seq=54 Destination Port Unreachable
ping: sendmsg: Operation not permitted
From 192.168.34.37 icmp_seq=55 Destination Port Unreachable

```

Block google.com

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root@complab304pc15:/home/complab304pc15/Desktop# iptables -t filter -I OUTPUT -m string --string facebook.com -j ACCEPT --algo kmp
root@complab304pc15:/home/complab304pc15/Desktop#

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Unblock google.com

```

complab304pc15@complab304pc15:~/Desktop$ sudo su root
[sudo] password for complab304pc15:
root@complab304pc15:/home/complab304pc15/Desktop# apt-get install splint
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following packages were automatically installed and are no longer required:
  chromium-codecs-ffmpeg-extra gstreamer1.0-vaapi i965-va-driver intel-media-va-driver libaac3 libaom3 libass9 libavcodec58 libavformat58 lib
  libcodec2-1.0 libdav1d5 libflite1 libgme0 libgsm1 libgstreamer-plugins-bad1.0-0 libigmp12 libilv-0-0 liblfx1 libmysofa1 libnorm1 libopen
  libserd-0-0 libshine3 libsnd-0-0 libsratom-0-0 libsrtp1.4-gnutls libswresample3 libswscale5 libudfread0 libva-drm2 libva-wayland2 libva-x11
  libzimg2 libzmq5 libzvb1-common libzvb10 mesa-va-drivers mesa-vaapi-drivers mesa-vaapi-drivers pocketsphinx-en-us va-driver-all vdpau-driver-all
Use 'sudo apt autoremove' to remove them.
The following additional packages will be installed:
  splint-data
Suggested packages:
  splint-doc-html
The following NEW packages will be installed:
  splint splint-data
0 upgraded, 2 newly installed, 0 to remove and 200 not upgraded.
Need to get 759 kB of archives.
After this operation, 2,974 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://in.archive.ubuntu.com/ubuntu jammy/universe amd64 splint-data all 1:3.1.2+dfsg-5 [57.3 kB]
Get:2 http://in.archive.ubuntu.com/ubuntu jammy/universe amd64 splint amd64 1:3.1.2+dfsg-5 [702 kB]
Fetched 759 kB in 2s (318 kB/s)
Selecting previously unselected package splint-data.
(Reading database ... 203708 files and directories currently installed.)
Preparing to unpack .../splint-data_1%3a3.1.2+dfsg-5_all.deb ...
Unpacking splint-data (1:3.1.2+dfsg-5) ...
Selecting previously unselected package splint.
Preparing to unpack .../splint_1%3a3.1.2+dfsg-5_amd64.deb ...
Unpacking splint (1:3.1.2+dfsg-5) ...
Setting up splint-data (1:3.1.2+dfsg-5) ...
Setting up splint (1:3.1.2+dfsg-5) ...
Processing triggers for man-db (2.10.2-1) ...
root@complab304pc15:/home/complab304pc15/Desktop#

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