Disable IPv6 on Ubuntu

Method 1: sysctl

```
sudo gedit /etc/sysctl.conf
```

Append to end of file

```
# IPv6 disabled
net.ipv6.conf.all.disable_ipv6 = 1
net.ipv6.conf.default.disable_ipv6 = 1
net.ipv6.conf.lo.disable_ipv6 = 1
```

Save the file and close it. Restart sysctl with

```
sudo sysctl -p
```

Run

```
After that run $ cat /proc/sys/net/ipv6/conf/all/disable_ipv6
```

If it reports ‘1′ means you have disabled IPV6.

or

Check the output of ifconfig again and there should be no ipv6 address

```
ifconfig
eth0      Link encap:Ethernet  HWaddr 08:00:27:5f:28:8b
          inet addr:192.168.1.3  Bcast:192.168.1.255  Mask:255.255.255.0
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:1346 errors:0 dropped:0 overruns:0 frame:0
          TX packets:965 errors:0 dropped:0 overruns:0 carrier:0
.....
```

If it does not work, then try rebooting the system and check ifconfig again.

Method 2: grub

```
sudo gedit /etc/default/grub
```

Look for the line containing “GRUB_CMDLINE_LINUX” and edit it as follows

```
GRUB_CMDLINE_LINUX="ipv6.disable=1"
```

The same can also be added to the value of the variable named “GRUB_CMDLINE_LINUX_DEFAULT” and either would work. Save the file, close it and regenerate the grub configuration

```
sudo update-grub2
```

Reboot. Now ipv6 should be disabled.

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