**How to Disable IPv6 (Internet Protocol version 6) on CentOS 8**

IPv6 (Internet Protocol version 6) is the latest version of the Internet Protocol (IP) that provides an identification and location for internet devices on networks and provides a larger IP addressing scheme for IoT (Internet of Device). For some reasons, disable IPv6 is require on the system. IPv6 is looks like as below:

|  |
| --- |
| [root@linuxcnf ~]# ip addr show eth0  2: eth0: <BROADCAST,MULTICAST,UP,LOWER\_UP> mtu 1450 qdisc pfifo\_fast state UP group default qlen 1000  link/ether fa:16:3e:78:ab:04 brd ff:ff:ff:ff:ff:ff  inet 192.168.30.21/24 brd 192.168.30.255 scope global dynamic eth0  valid\_lft 78161sec preferred\_lft 78161sec  inet6 fe80::f816:3eff:fe78:ab04/64 scope link  valid\_lft forever preferred\_lft forever  [root@linuxcnf ~]# |

This article describes How to Disable IPv6 (Internet Protocol version 6) on CentOS 8.

**Step 1.** Edit the /etc/sysctl.conf configuration file and append the following parameters at the end of the file:

|  |
| --- |
| [root@linuxcnf ~]# vi /etc/sysctl.conf  ………………  net.ipv6.conf.all.disable\_ipv6 = 1  net.ipv6.conf.default.disable\_ipv6 = 1  [root@linuxcnf ~]# |

**Step 2.** Save the changes and run the following command to reflect the changes in the kernel parameters configurations:

|  |
| --- |
| [root@linuxcnf ~]# sysctl -p  …………..  net.ipv6.conf.all.disable\_ipv6 = 1  net.ipv6.conf.default.disable\_ipv6 = 1  [root@linuxcnf ~]# |

**Step 3. Verify the Configuration:** Run the following command to verify the status of IPv6 status:

|  |
| --- |
| [root@linuxcnf ~]# ip addr show eth0  2: eth0: <BROADCAST,MULTICAST,UP,LOWER\_UP> mtu 1450 qdisc pfifo\_fast state UP group default qlen 1000  link/ether fa:16:3e:78:ab:04 brd ff:ff:ff:ff:ff:ff  inet 192.168.30.21/24 brd 192.168.30.255 scope global dynamic eth0  valid\_lft 77925sec preferred\_lft 77925sec  [root@linuxcnf ~]# |

Done!!! Now IPv6 is disabled from all the interfaces.