

ip version 6 (ipv6) Configuration on Linux

AutoConfiguration,

Auto configuration is completely independent. Getting the mac address of the card and giving a random ipv6 address.

Static ipv6 configuration

_____-

auto lo
iface lo inet loopback

auto eth0

allow-hotplug eth0

iface eth0 inet dhcp

iface eth0 inet6 static

address 2001:db8::xxxx:yyyy

netmask 64

gateway 2001:db8::xxxx:yy:zzzz

_____-

Your /etc/hosts file should read

127.0.0.1 localhost

127.0.1.1 serverubuntu//change this to 127.0.0.1

192.168.1.199 serverubuntu//add your static IP

The following lines are desirable for IPv6 capable hosts

::1 localhost ip6-localhost ip6-loopback

fe00::0 ip6-localnet

ff00::0 ip6-mcastprefix

ff02::1 ip6-allnodes

ff02::2 ip6-allrouters

#— Network Fail logs

#systemctl status network.service

network.service – LSB: Bring up/down networking

Loaded: loaded (/etc/rc.d/init.d/network)

```
Active: failed since Thu, 09 Feb 2012 00:11:18 -0500; 8min ago
CGroup: name=systemd:/system/network.service
|- 3850 /bin/bash ./ifup 59173567_autom tica boot
|- 3859 nmcli con up uuid 32aea3d4-ce65-42d1-a3ed-6a42c17a2111
|- 25236 /bin/bash ./ifup 59173567_autom tica boot
|- 25245 nmcli con up uuid 32aea3d4-ce65-42d1-a3ed-6a42c17a2111
|- 25507 /bin/bash ./ifup 59173567_autom tica boot
|- 25516 nmcli con up uuid 32aea3d4-ce65-42d1-a3ed-6a42c17a2111
|- 25903 /bin/bash ./ifup 59173567_autom tica boot
|- 25912 nmcli con up uuid 32aea3d4-ce65-42d1-a3ed-6a42c17a2111
|- 26168 /bin/bash ./ifup 59173567_autom tica boot
|- 26177 nmcli con up uuid 32aea3d4-ce65-42d1-a3ed-6a42c17a2111
|- 26427 /bin/bash ./ifup 59173567_autom tica boot
|- 26436 nmcli con up uuid 32aea3d4-ce65-42d1-a3ed-6a42c17a2111
|- 26686 /bin/bash ./ifup 59173567_autom tica boot
|- 26695 nmcli con up uuid 32aea3d4-ce65-42d1-a3ed-6a42c17a2111
|- 27471 /bin/bash ./ifup ALEJANDRO_autom tica boot
|- 27480 nmcli con up uuid f8a46744-7098-4eb6-8902-34df1bd351f5
|- 28228 /bin/bash ./ifup Auto_58915877 boot
|- 28234 nmcli con up uuid 80a61972-1616-431e-bcf3-d4660386ec35
|- 29174 /bin/bash ./ifup Auto_58915877 boot
└ 29180 nmcli con up uuid 80a61972-1616-431e-bcf3-d4660386ec35
```

Route Commands

```
[crayon-662097cc71241246697168/]
```

```
[crayon-662097cc7124d914775849/]
```

Centos Configuration or RedHat

```
[crayon-662097cc7124f105802960/]
```

```
/etc/sysconfig/network
```

```
[crayon-662097cc71252060743103/]
```

```
cat /etc/sysctl.conf
```

```
[crayon-662097cc71254896803903/]
```

#-----