

Date
06/09/21

Neeraj

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Practical: 2

Aim: Learn to set dynamic and static IP.
Connect to and Ethernet and WIFI network

Steps

- 1) Open terminal
- 2) Type ~~ifconfig~~ ifconfig.
- 3) Check inet address i.e ipaddress
- 4) Go to Network Preferences
- 5) Configure a) interface b) eth0
- 6) Type your new IP address
- 7) Click on Apply
- 8) Open terminal again
- 9) Type ifconfig. Check whether inet address is changed.

Uses

- 1) ifconfig - Used to display current network configuration information

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onworks

Terminal

```
onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~  
Setting up net-tools (1.60+git20180626.aebd88e-1ubuntu1) ...  
Processing triggers for man-db (2.9.1-1) ...  
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~$ ifconfig  
ens3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500  
    inet 10.0.2.15 netmask 255.255.255.0 broadcast 10.0.2.255  
    inet6 fec0::d1b7:574e:11da:524d prefixlen 64 scopeid 0x40<site>  
    inet6 fe80::a01a:2179:f510:c285 prefixlen 64 scopeid 0x20<link>  
    inet6 fec0::f0bc:95e0:38b7:ef9f prefixlen 64 scopeid 0x40<site>  
    ether 52:54:00:12:34:56 txqueuelen 1000 (Ethernet)  
    RX packets 159988 bytes 236493309 (236.4 MB)  
    RX errors 387 dropped 0 overruns 0 frame 387  
    TX packets 27858 bytes 1802115 (1.8 MB)  
    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 1000 (Local Loopback)  
    RX packets 319 bytes 29063 (29.0 KB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 319 bytes 29063 (29.0 KB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~$
```

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Mouse & Touchpad

Keyboard Shortcuts

Network

Wired

Connected - 1000 Mb/s

Cancel

Wired

Apply

Details Identity IPv4 IPv6 Security

Name

MAC Address 52:54:00:12:34:56 (ens3)

Cloned Address

MTU automatic

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Activities

Terminal

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onworks

Trash

```
onworks@onworks-Standard-PC-l440FX-PIIX-1996: ~  
onworks@onworks-Standard-PC-l440FX-PIIX-1996:~$ sudo ifconfig ens3 192.168.0.1 n  
etmask 255.255.255.0 up  
onworks@onworks-Standard-PC-l440FX-PIIX-1996:~$ ifconfig  
ens3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500  
inet 192.168.0.1 netmask 255.255.255.0 broadcast 192.168.0.255  
inet6 fec0::d1b7:574e:11da:524d prefixlen 64 scopeid 0x40<site>  
inet6 fe80::a01a:2179:f510:c285 prefixlen 64 scopeid 0x20<link>  
inet6 fec0::f0bc:95e0:38b7:ef9f prefixlen 64 scopeid 0x40<site>  
ether 52:54:00:12:34:56 txqueuelen 1000 (Ethernet)  
RX packets 160344 bytes 236554600 (236.5 MB)  
RX errors 430 dropped 0 overruns 0 frame 430  
TX packets 28228 bytes 1846306 (1.8 MB)  
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 1000 (Local Loopback)  
RX packets 375 bytes 34123 (34.1 KB)  
RX errors 0 dropped 0 overruns 0 frame 0  
TX packets 375 bytes 34123 (34.1 KB)  
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
onworks@onworks-Standard-PC-l440FX-PIIX-1996:~$
```

Remove Ads


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