

HOW TO FIND OUT THE IP ADDRESS ASSIGNED TO ETH0 AND DISPLAY IP ONLY (LINUX)

Question

I need to get the IP address assigned to eth0 Linux interface. How do I find out IP address only? I don't want other information displayed by Linux **ifconfig** command.

Answer

For shell script or may be for other cause you may need the IP address only. You can use ifconfig command with grep and other filters.

Default output of `/sbin/ifconfig` command is all interfaces:

```
$ /sbin/ifconfig
```

Output:

```
lo Link encap:Local Loopback
inet addr:127.0.0.1 Mask:255.0.0.0
inet6 addr: ::1/128 Scope:Host
UP LOOPBACK RUNNING MTU:16436 Metric:1
RX packets:69527 errors:0 dropped:0 overruns:0 frame:0
TX packets:69527 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:41559546 (39.6 MiB) TX bytes:41559546 (39.6 MiB)
-----
eth0 Link encap:Ethernet HWaddr 00:17:9A:0A:F6:44
inet addr:192.168.2.1 Bcast:192.168.1.255 Mask:255.255.255.0
inet6 addr: fe80::217:9aff:fe0a:f644/64 Scope:Link
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
RX packets:227614 errors:0 dropped:0 overruns:0 frame:0
TX packets:60421 errors:0 dropped:0 overruns:0 carrier:0
collisions:272 txqueuelen:1000
RX bytes:69661583 (66.4 MiB) TX bytes:10361043 (9.8 MiB)
Interrupt:17
-----
ra0 Link encap:Ethernet HWaddr 00:50:56:c0:00:01
inet addr:192.168.1.2 Bcast:192.168.2.255 Mask:255.255.255.0
inet6 addr: fe80::250:56ff:fec0:1/64 Scope:Link
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
```

```
RX packets:1024 errors:0 dropped:0 overruns:0 frame:0
TX packets:1320 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:1000
RX bytes:0 (0.0 b) TX bytes:0 (0.0 b)
```

Now you just select eth0 as follows:

```
$ /sbin/ifconfig eth0
```

Now you just wanted the IP address, use grep to get the IP:

```
$ /sbin/ifconfig eth0 | grep 'inet addr:'
```

Output:

```
inet addr:192.168.2.1 Bcast:192.168.2.255 Mask:255.255.255.0
```

To get IP address from use cut command:

```
$ /sbin/ifconfig eth0 | grep 'inet addr:' | cut -d: -f2
```

Output:

```
192.168.2.1 Bcast
```

Finally remove **Bcast** with **awk**:

```
$ /sbin/ifconfig eth0 | grep 'inet addr:' | cut -d: -f2 | awk '{ print $1}'
```

Output:

```
192.168.2.1
```