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Debian / Ubuntu Linux Setting a Default Gateway

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Q. How do I setup a default gateway on Debian or Ubuntu Linux? My router IP is 192.168.1.254 and I'd like to setup this as a default gateway for Debian Linux.

A. You can use command line tool such as

a) **ip command** - show / manipulate routing, devices, policy routing and tunnels

b) **route command** - show / manipulate the IP routing table

c) **Save routing information** to a configuration file so that after reboot you get same default gateway.

ip command to set a default router to 192.168.1.254

Login as the root and type:

```
# ip route add default via 192.168.1.254
```

OR

```
$ sudo ip route add default via 192.168.1.254
```

route command to set a default router to 192.168.1.254

Login as the root and type:

```
# route add default gw 192.168.1.254
```

OR

```
$ sudo route add default gw 192.168.1.254
```

Save routing information to a configuration file /etc/network/interfaces

Open /etc/network/interfaces file

```
# vi /etc/network/interfaces
```

OR

```
$ sudo vi /etc/network/interfaces
```

Find eth0 or desired network interface and add following option

```
gateway 192.168.1.254
```

Save and close the file. Restart networking:

```
# /etc/init.d/networking restart
```

OR

```
$ sudo /etc/init.d/networking restart
```

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