

Route Command

2016 - updated Jun 2017

— The **route** command has now been replaced. The command was deprecated some time ago, but continued to be used. The replacement is part of the **IP** command set.

Pre CentOS 7 you can still use route, but as of v7 the IP command should be used.

```
ip route
default via 192.168.27.254 dev enp4s0f0 proto static metric 100
10.0.0.0/8 dev ens513f0 proto kernel scope link src 10.0.222.2 metric 100
11.0.0.0/8 dev ens513f2 proto kernel scope link src 11.0.222.4 metric 100
192.168.27.0/24 dev enp4s0f0 proto kernel scope link src 192.168.27.222 metric 100
```

—
The **route** command allows dynamic setting of a route from the command line, however using **route** without any parameters will show the currently configured routes.

Raspbian

Raspbian Jessie on a Raspberry Pi 3 (LAN connected only, no wifi or bluetooth)

```
route
```

Kernel IP routing table

Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Iface
default	137.58.71.254	0.0.0.0	UG	202	0	0	eth0
137.58.68.0	*	255.255.252.0	U	202	0	0	eth0

Here we can see the default gateway is **137.58.71.254** on **eth0**

CentOS

CentOS 6.6 on a server with 6 network interfaces (only eth0 is physically connected).

```
route
```

Kernel IP routing table

Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Iface
192.168.5.0	*	255.255.255.0	U	0	0	0	eth4
192.168.4.0	*	255.255.255.0	U	0	0	0	eth2
192.168.4.0	*	255.255.255.0	U	0	0	0	eth3
192.168.3.0	*	255.255.255.0	U	0	0	0	eth1
192.168.27.0	*	255.255.255.0	U	0	0	0	eth0
link-local	*	255.255.0.0	U	1002	0	0	eth2
link-local	*	255.255.0.0	U	1003	0	0	eth3
link-local	*	255.255.0.0	U	1004	0	0	eth4
link-local	*	255.255.0.0	U	1005	0	0	eth5
link-local	*	255.255.0.0	U	1006	0	0	eth0
link-local	*	255.255.0.0	U	1007	0	0	eth1
default	192.168.27.254	0.0.0.0	UG	0	0	0	eth0

Here we can see the default gateway is **192.168.27.254** on **eth0**

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