

# Set Static IP Address / Static route

## ifupdown2

First install the `ifupdown2` package:

```
sudo apt install ifupdown2
```

It will generate the file `/etc/network/interfaces` if it doesn't exist.

Then edit `/etc/network/interfaces` and add the following:

```
auto eth0
iface eth0 inet static
    address 172.16.1.20/24
    gateway 172.16.1.1
    nameserver 172.16.1.1
```

Adjust the interface name, here `eth0`, to your configuration.

Finally enable the interface by running:

```
ifup eth0
```

Sourced from [wiki.debian.org/NetworkConfiguration](http://wiki.debian.org/NetworkConfiguration)

## Static route

Just run:

```
ip route add <network>/<netmask> via <gateway>
```

Example: `ip route add 10.205.0.0/24 gw 10.0.0.3`

## Static route for LXC

To add a persistent static route for a Linux Container add the following line to the interface that should automatically add the route in `/etc/network/interfaces`:

```
up route add -net <network>/<netmask> gw <gateway-ip>
```

Example: `up route add -net 10.205.0.0/24 gw 10.0.0.3`

→ tested with a Proxmox CT Sourced from [forum.proxmox.com](http://forum.proxmox.com) LXC Container and static route

Last update:  
2024/12/27 14:57 linux:debian:static-ip-address-route <http://fixes.brecht-schule.hamburg/linux/debian/static-ip-address-route?rev=1735307873>

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