

**Router einrichten:**

- "/etc/sysctl.conf" öffnen
- "net.ipv4.ip\_forward=1" auskommentieren
- "sudo sysctl -p /etc/sysctl.conf" ausführen
- Netzwerkkarten hinzufügen und Switch zuweisen
- "ip link show" um Netzwerkkarten anzuzeigen

**Netzwerkkarten konfigurieren:**

- "/etc/netplan/00-eth0.yaml" im Nano-Editor öffnen
- IP-Adressen und Routes konfigurieren
- "sudo netplan apply" ausführen

**Testen:**

- ping
- traceroute

		128	64	32	16	8	4	2	1
17					1	0	0	0	1
44				1	0	1	1	0	0
127			1	1	1	1	1	1	1

```
network:
  version: 2
  renderer: networkd
  ethernets:
    eth0:
      addresses: [ 192.168.210.1/24 ]
      routes:
        - to: 192.168.200.0/25
          via: 192.168.210.65
        - to: 192.168.200.128/25
          via: 192.168.210.65
    eth1:
      addresses: [ 192.168.220.1/24 ]
```

```
network:
  version: 2
  renderer: networkd
  ethernets:
    eth0:
      addresses: [ 192.168.200.130/25 ]
      gateway4: 192.168.200.129
```

```
network:
  version: 2
  renderer: networkd
  ethernets:
    eth0:
      addresses: [ 192.168.210.1/24 ]
      routes:
        - to: 192.168.200.0/25
          via: 192.168.210.65
        - to: 192.168.200.128/25
          via: 192.168.210.65
    eth1:
      addresses: [ 192.168.220.1/24 ]
```