

Network IPs

PC1

IPv4: 192.168.10.2

IPv6: fd00:0:0:10::2

R1

NIC 1

IPv4: 192.168.10.1

IPv6: fd00:0:0:10::1

NIC 2

IPv4: 192.168.20.1

IPv6: fd00:0:0:20::1

PC1-R1 Subnet

IPv4: 192.168.10.0/24

IPv6: fd00:0:0:10::/64

R2

NIC 1

IPv4: 192.168.20.2

IPv6: fd00:0:0:20::2

NIC 2

IPv4: 192.168.30.1

IPv6: fd00:0:0:30::1

R1-R2 Subnet

IPv4: 192.168.20.0/24

IPv6: fd00:0:0:20::/64

PC2

IPv4: 192.168.30.2

IPv6: fd00:0:0:30::2

R2-PC2 Subnet

IPv4: 192.168.30.0/24

IPv6: fd00:0:0:30::/64

Ubuntu Desktop: <https://www.abelectronics.co.uk/kb/article/31/set-a-static-ip-address-on-raspberry-pi-os-bookworm>

Ubuntu Server: <https://documentation.ubuntu.com/server/explanation/networking/configuring->

<networks/index.html>

Make sure to enable forwarding on the routers by uncommenting the following in `/etc/sysctl.conf`:

```
net.ipv4.ip_forward=1
```

```
net.ipv6.conf.all.forwarding=1
```