**The Home Router**

**The router is the gateway for all traffic to the internet**

To find the IP of your router, you must look for the default gateway on your devices

Windows: ‘Route Print’, ipconfig

* IPv4 Route table will show gateway
* Find correct Ethernet adapter (local) for default gateway

Linux: Sudo route -n

* Gateway

MacOS: route -n get default, Ifconfig

* Gateway
* Find correct ethernet adapter

Whenever you access a device via an IP address, you access it through a port

A port can be thought of as a doorway into a device

* And each port hosts a different service

Accessing the router via a web interface can be done by typing the IP into the search bar

Routers have 2 Ips, an external (194.187.250.204) which connects with the internet (IPv4), and an internal (192.168.1.1) which connects to all the devices on the network

* In order to find the external IP 🡪 whatismyipaddress.com