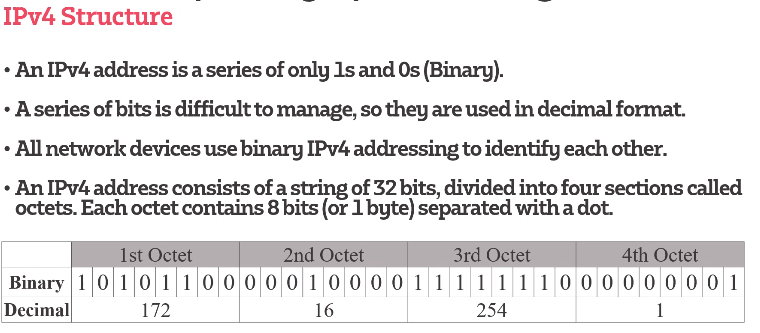
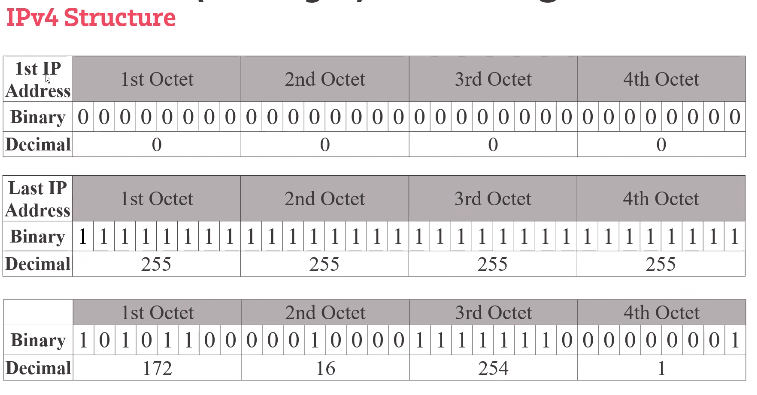
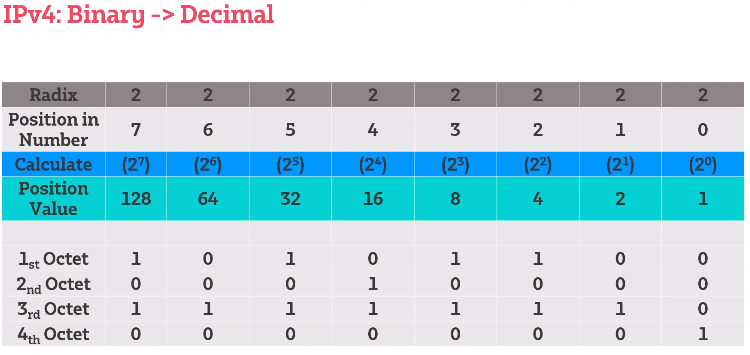


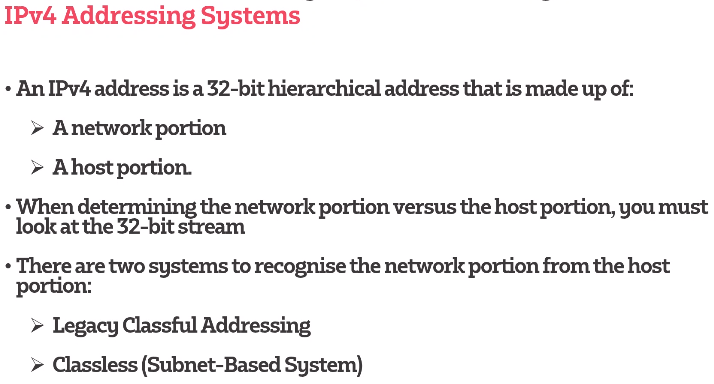
Network – Group of devices connected, at least 2.

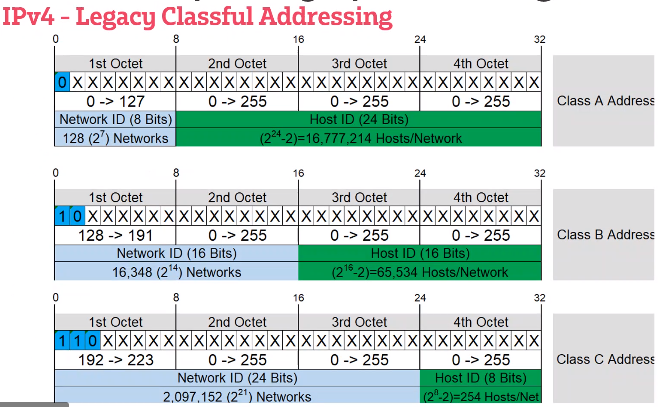
IP network is the most used in the world.

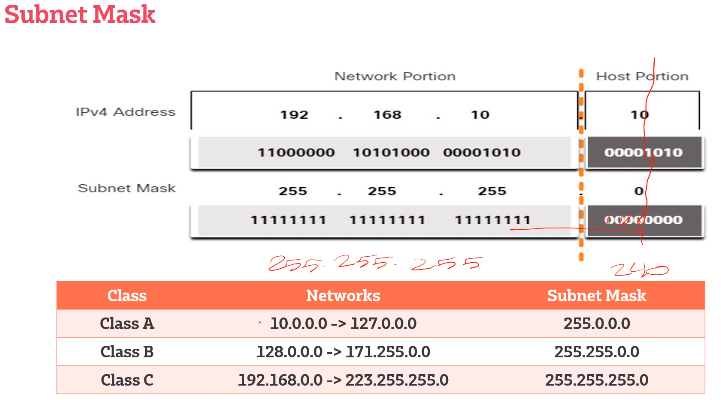


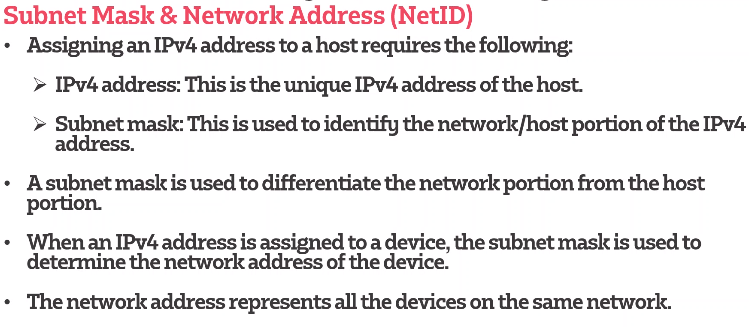




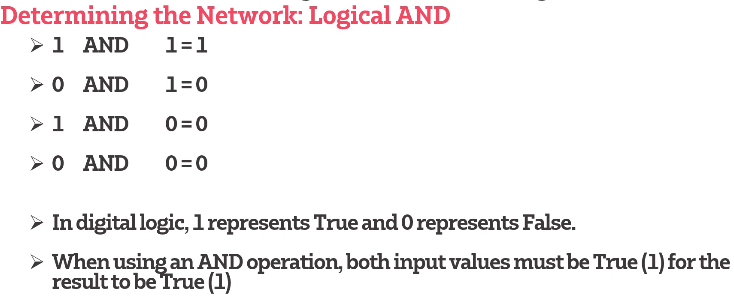


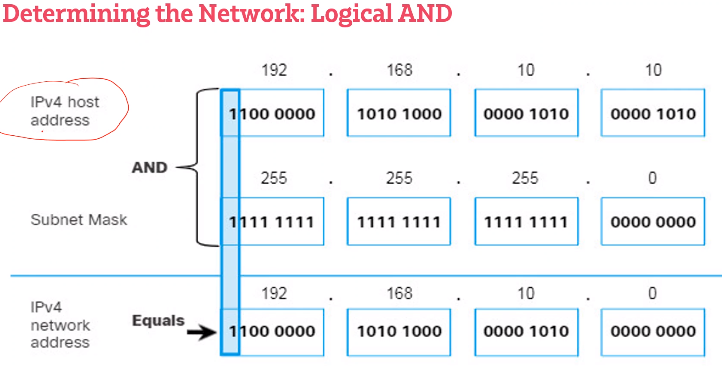


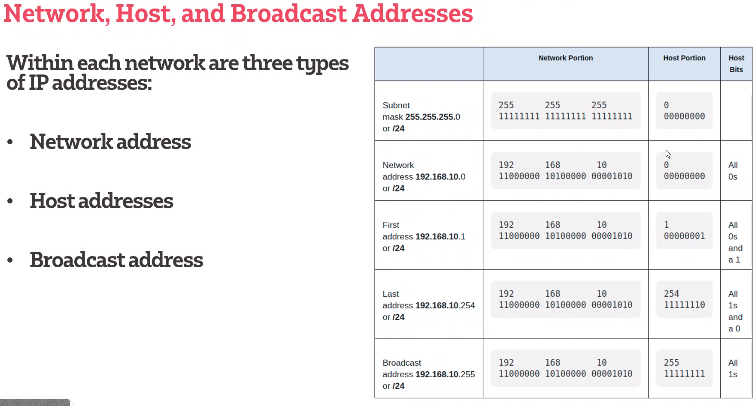


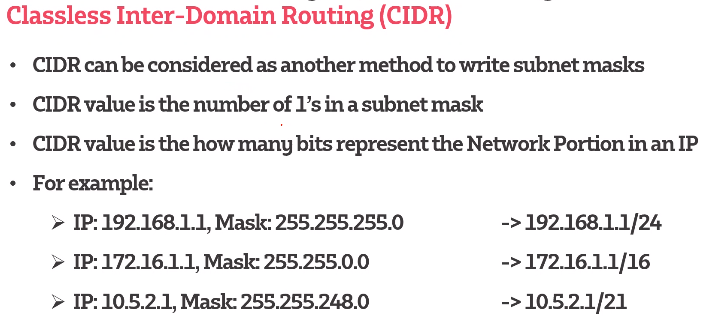


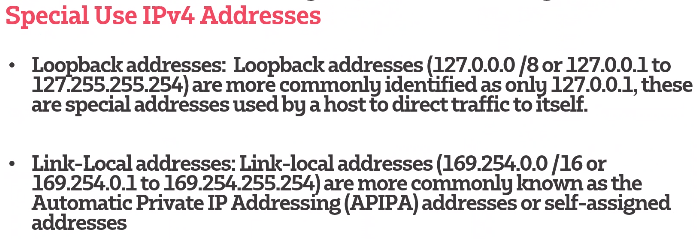
We save the first ip of any network as the network id (192.168.1.0) and the last one for broadcast address (192.168.1.255)









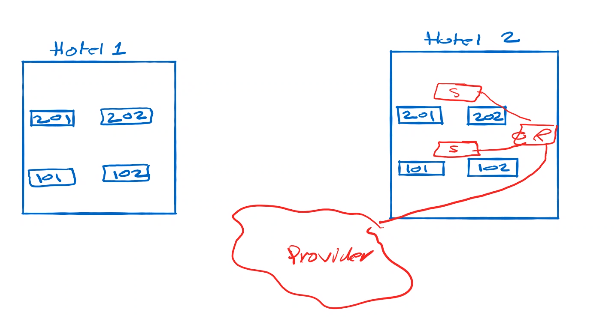


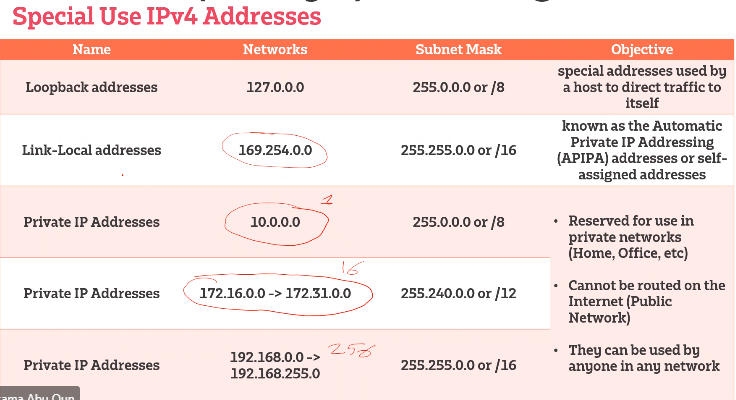
Default gateway – IP of router used to communicate to other networks

Switch connects devices in the same network

Router connects networks

Routing table – Something routers have, that have all the information to communicate with other routers

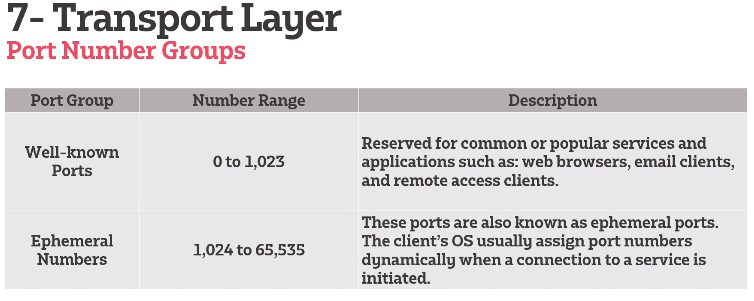




Private IP address – Address used for own network, not seen by any public network

Your ISP only gives your router 1 public IP, inside the network they are all private ips

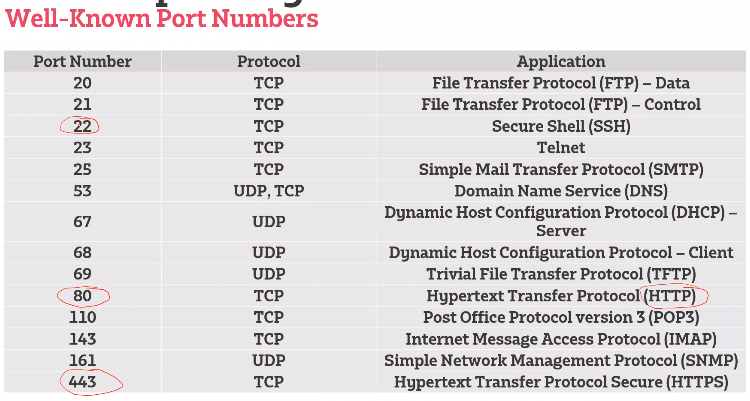
NAT – Network Address Translation, changes your private IP to the public IP when communicating with outside networks



Port numbers – Two octets long, we have 6536 ports, meaning we can run these many applications running.

The port numbers let us distinguish between applications

On the client side, port numbers are used to connect to the server and then they get deleted when not in use



Socket – Is a port number + the ip address of a device

Communication between 2 sockets = Connection

