SUBNETTIN (network within a network)

Why require subnetting?

Because IPv4 we have limited so we can save IPv4 address three way

1. Private IP
2. IPv6
3. Subnetting

Example- 205.150.65.0/26 (26 means 2 bit here add in network )

Subnet mask – 255.255.255.192

Network id – 205.150.65.0

Broadcast ip – 205.150.65.63

No. of subnet – 2^n = 2^2=4 subnet

No. of host – 2^6 -5 =59

2^7 2^6 2^5 2^4 2^3 2^2 2^1 2^0

128 64 32 16 8 4 2 1