Ip address have two versions

IPV4 -: 32 bit

IPV6 -: 128 bit

Ip address is binary format

ip address minimum value is '0' and maximum value is '255'

Network is provided by the

Internet Corporation of address and naming authority (ICANA) will take care the ip addresses

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Class** | **Range** | | **Use** | **Structure** | **how much computer connect** | **Subnet Mask Value** |
| **start** | **end** |
| **A** | **0** | **126** | **For public connectivity** | **N.H.H.H** | **255\*255\*255 =16581375** | **255.0.0.0/8** |
| **B** | **127** | **191** | **For public connectivity** | **N.N.H.H** | **255\*255= 65025** |  |
| **C** | **192** | **223** | **For Local Connectivity** | **N.N.N.H** | **255** |  |
| **D** | **224** | **239** | **For Routers and switches** |  |  |  |
| **E** | **240** | **255** | **For RND supercomputers** |  |  |  |