Networking

IPv4

Name	Old Name	Largest CIDR Block / Subnet mask
24Bit	“Class A”	`10.0.0.0/8`, `255.0.0.0`
20Bit	“Class B”	`172.16.0.0/12`, `255.240.0.0`
16Bit	“Class C”	`192.168.0.0/16`, `255.255.0.0`

Reserved IPs:

1. `127.0.0.0/8` → defines as `localhost`
2. `100.64.0.0/10` (255.192.0.0) → carrier grade NAT
3. `0.0.0.0/8` → undefined
4. `224.0.0.0` to `239.255.255.255`→ multicast

Netmasking

32	255.255.255.255
31	
30	
29	
28	
27	
26	
25	
24	

IPv6

fe80::/10	link local
fc00::/7	unique local