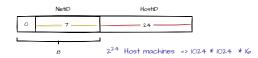
Class A

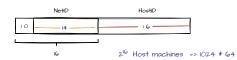
Eirct hit zero



27 Networks => 128

Class B

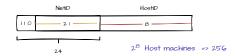
Second bit zero



2¹⁴ Networks => 1024 * 16

Class C

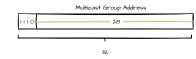
Third bit zero



2²¹ Networks => 1024 * 1024 * 2

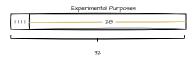
Class D

Fourth bit zero



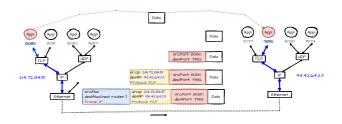
Class E

All four ones



IP Address Ranges

Class	Leading Bits	Address Range	Network Bits	Host Bits	Intended Use
A	0	0.0.0.0 - 127.255.255.255	8	24	Large networks
В	10	128.0.0.0 - 191.255.255.255	16	16	Medium networks
С	110	192.0.0.0 - 223.255.255.255	24	8	Small networks
D	1110	224.0.0.0 - 239.255.255.255	Multicast	N/A	Multicast groups
E	1111	240.0.0.0 - 255.255.255.255	Reserved	N/A	Research/Experimenta



Basic TCP Interaction Overview



b. service the client (sync/async) c close connection repeat (2)

Client

I Send connect request to ServerIP, Ports e.g. (ServerIP: 214.72.16.12, Port: 8080)

e.g. (Serverir: 214:72:10:12, Fort: 6

 If connected, communicate and once done close the connection.

Running at: www.test.com Listening to Port: 8080 ⇔
⇔
⇔
http://www.test.com:8888/index.html 1. Connect 2. Send HTTP Request GET /index.html HTTP/10 accept _ header accept-language sempty: body 3. Receive HTTP Response HTTP 200 OK content-type application/html header index.html content, here body 4. connection closed