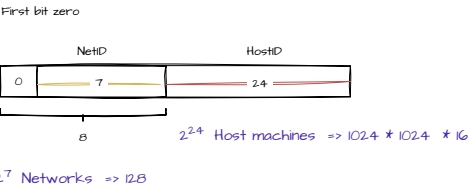
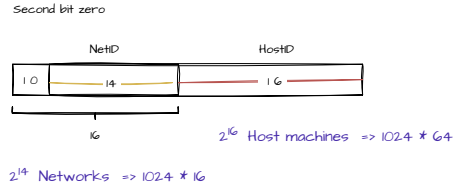


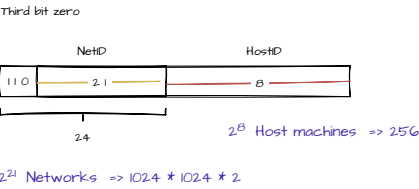
Class A



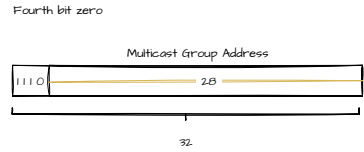
Class B



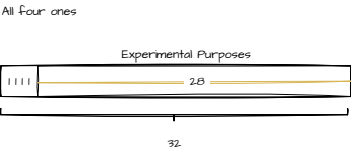
Class C



Class D



Class E



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
B	10	128.0.0.0 - 191.255.255.255	16	16	Medium networks
C	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/Experimental

Example IP

* second bit zero => class B

1011 0110 1101 0101 1100 0101 0000 0010

Net ID

Host ID

1011 0110 1101 0101 1100 0101 0000 0010

182

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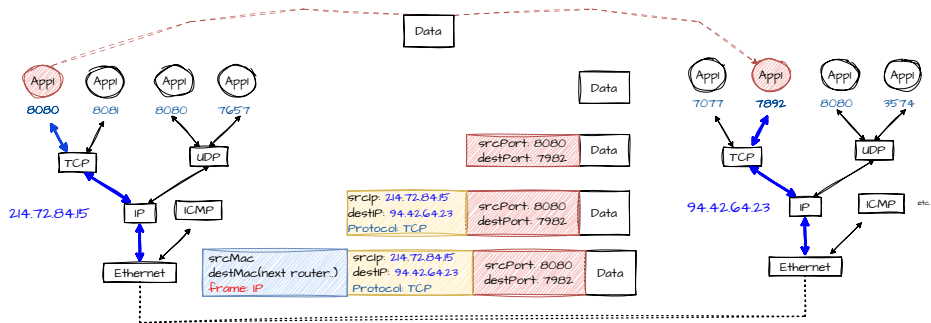
213

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197

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10



Basic TCP Interaction Overview

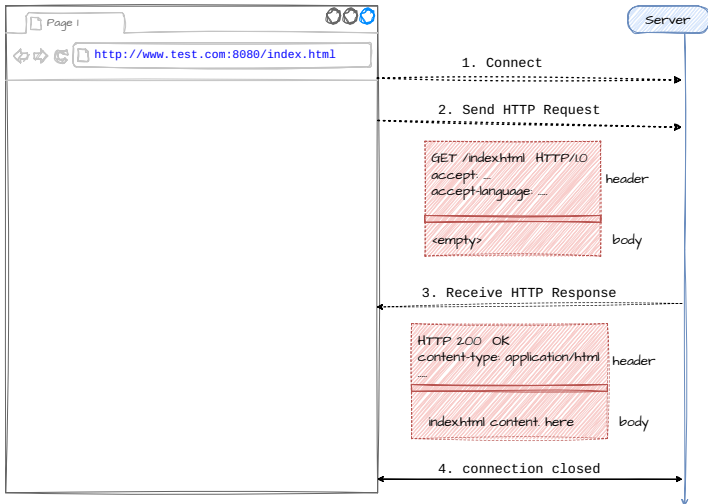
Server (say IP : 214.72.16.12)

1. Request Port e.g. 8080
=> if success => step 2.
2. Listen to port 8080
 - a. Client connected
 - b. service the client (sync/async)
 - c. close connectionrepeat (2)

Client

1. Send connect request to <ServerIP, Port>
e.g. (ServerIP: 214.72.16.12, Port: 8080)
2. if connected, communicate and once done close the connection.

Running at: www.test.com
Listening to Port: 8080



Relative URL

ROOT

<http://www.test.com:8080/api/product/list.html>

starts from root

replaces last path

one step before

```
<form action="/target">
```

```
.... submit
```

```
</form>
```

```
<form action="target">
```

```
.... submit
```

```
</form>
```

```
<form action="../target">
```

```
.... submit
```

```
</form>
```

<http://www.test.com:8080/target>

<http://www.test.com:8080/api/product/target>

<http://www.test.com:8080/api/target>