

IP

TCP

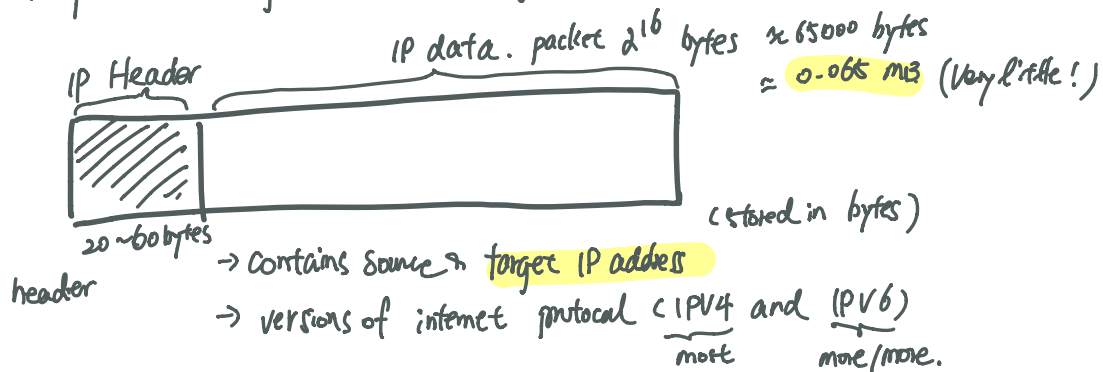
HTTP

What is a protocol?

- ~ Agreed upon set of rules to interact two parties.
- ~ Type of msg sent
- ~ format (how they're structured)
- ~ response to a message

IP: internet protocol. IP address: internet protocol address.

IP packet: the fundamental unit of data sent to another address



IP data limited. We need multiple packets.

*No guarantee that they'll be received & read in order.*

TCP Transmission control protocol

- Guaranteed Order.
- If corrupted, sent in uncorrupted way.
- Actually received.

Sent long data that IP can't accomplish.

Https Request = {

host: (Destination server)

port

method: (Purpose)

path (seperates out

headers: { logic on the server)

meta data

}

body

}

Response

{

status: 200

headers:

body: {

}

\* with curl,

specifying data  $\Rightarrow$  POST request.