

Protocol concept

(Transport Layer)

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04.02.2025

How do you order a burger at i.e. McDonald's ?



How do you order a pizza at i.e. pizza restaurant?



How do you say hi to

Friend ?



King ?

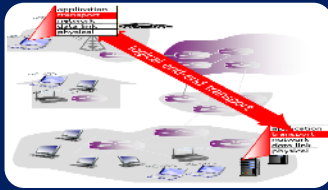


Protokollstakken



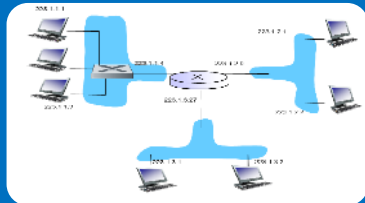
Application

- Web (HTTP/HTTPS), Email, DNS, DHCP, FTP, ...



Transport

- TCP - reliable, connection oriented
- UDP - unreliable, connectionless



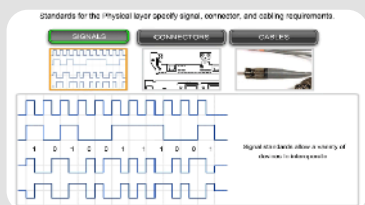
Network

- IP - IP-packets, unreliable
- IP-addresses



Datalink

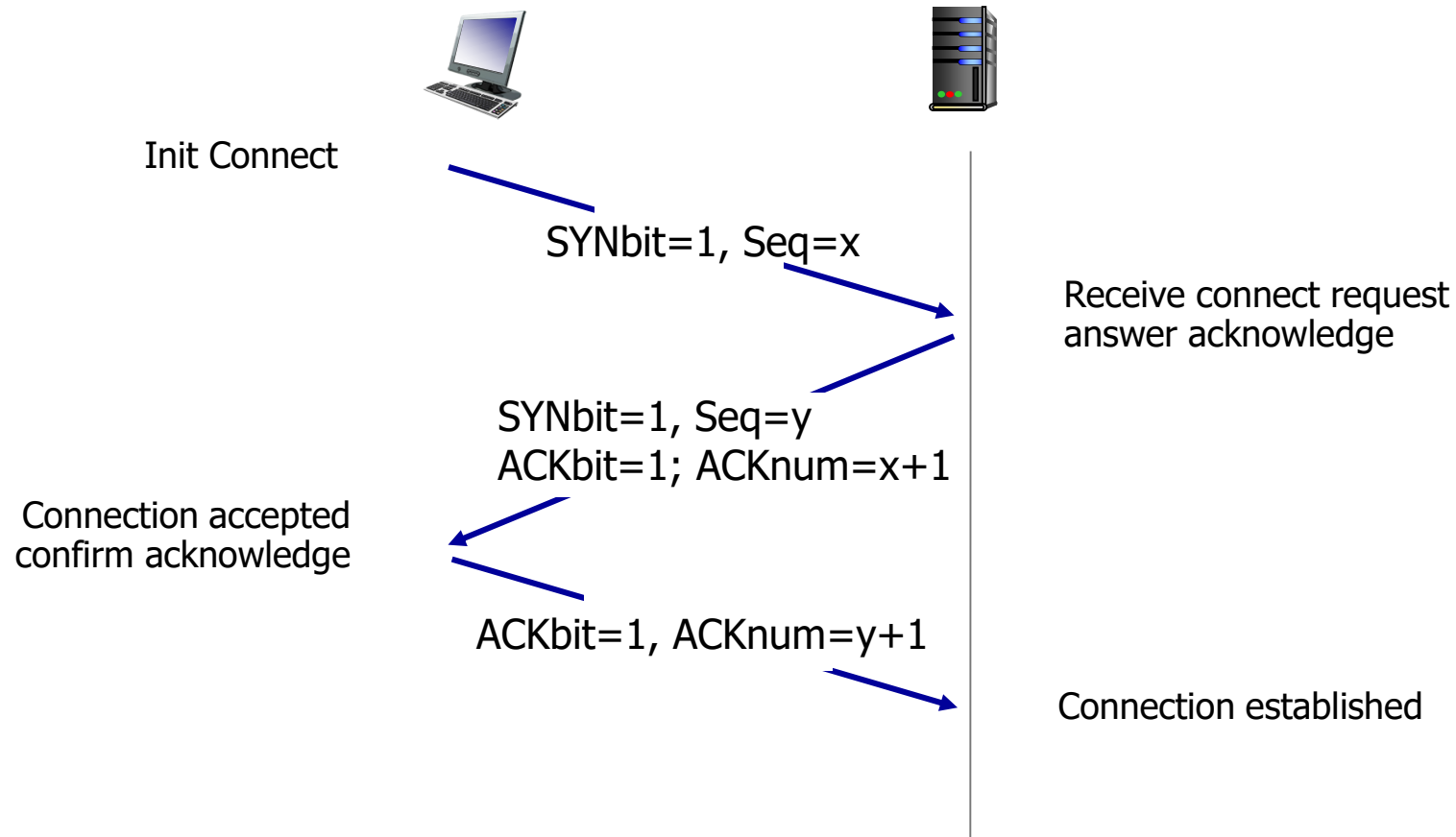
- All kind of access - Wifi, Bluetooth, Ethernet, ...
- MAC-addresses



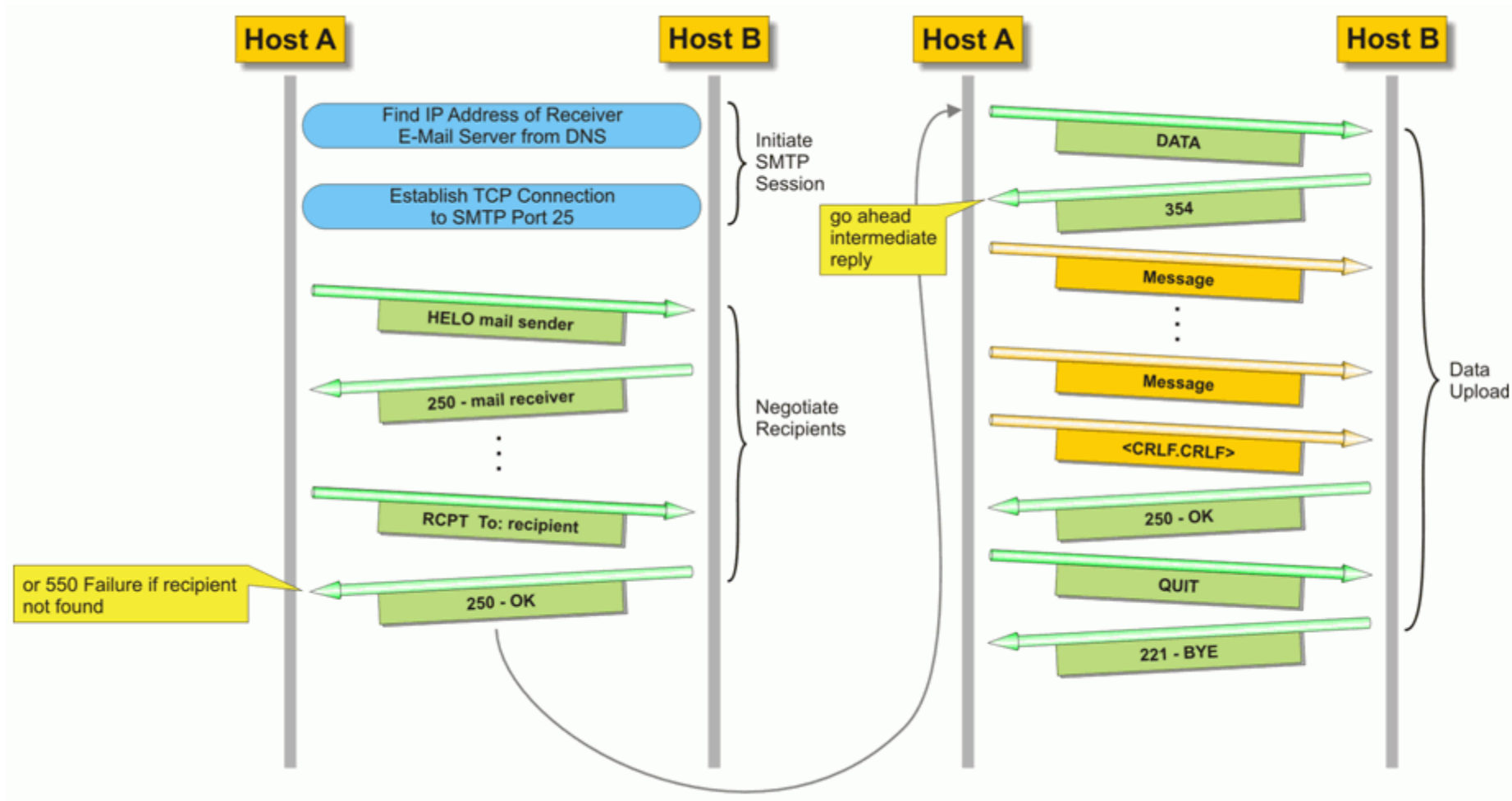
Physical

- Connectors
- Bit encoding/decoding

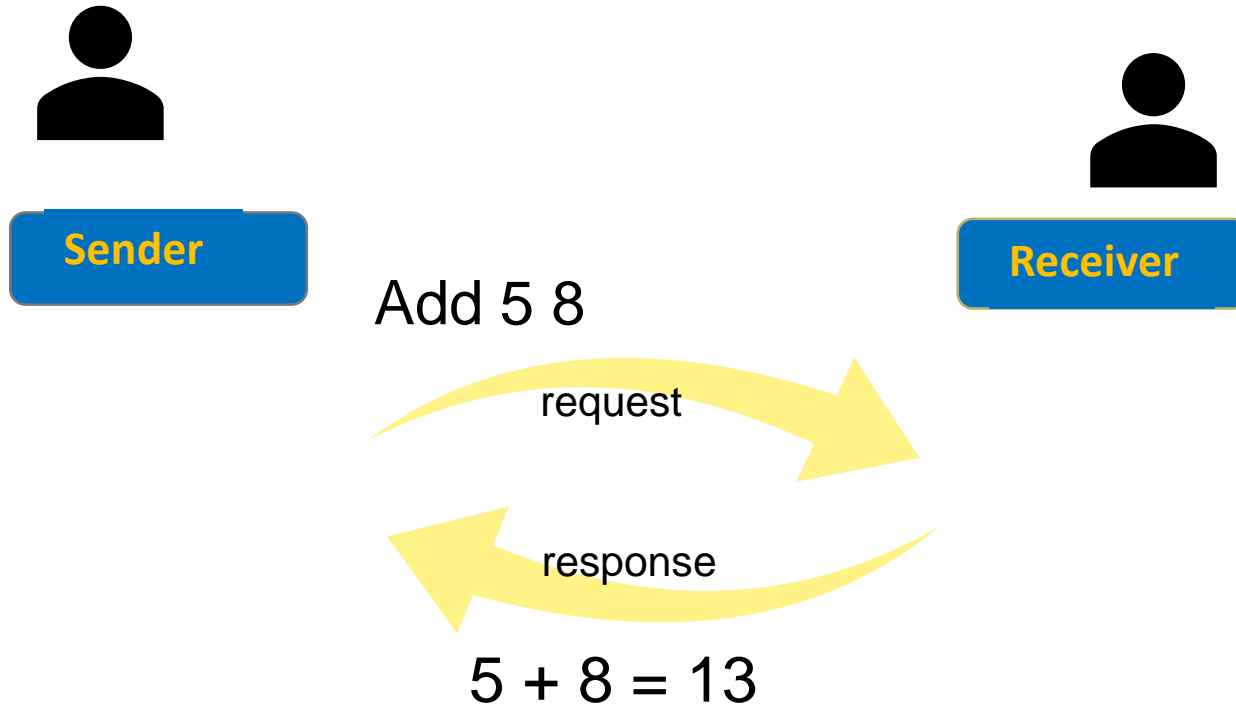
TCP 3-way handshake – example of protocol



Application protocol



Own protocols - examples



Will receiver accept ?

5 Add 8 ?

5 + 8 ?

5 8 Add ?

Plus 5 8 ?

Add 5 8 ?

TAK

jeres tur