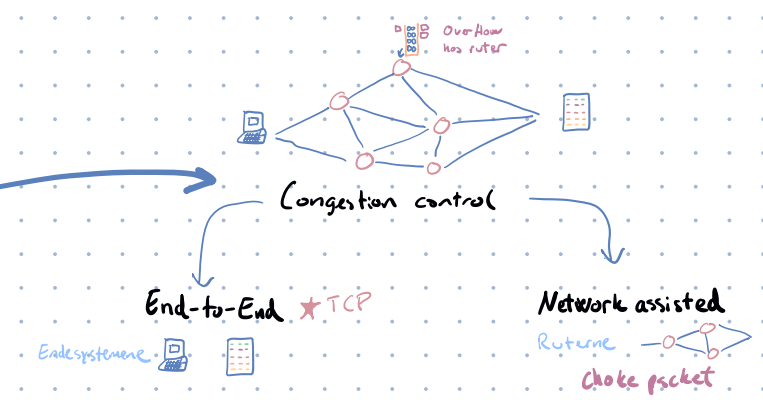
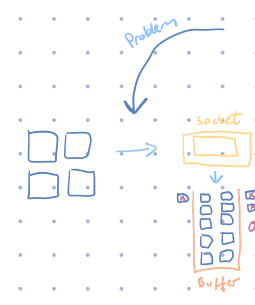
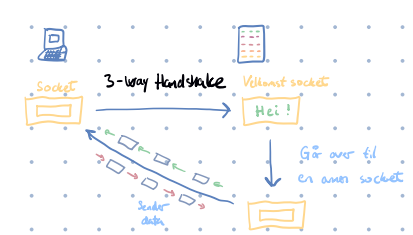


Hvordan informasjon sendes

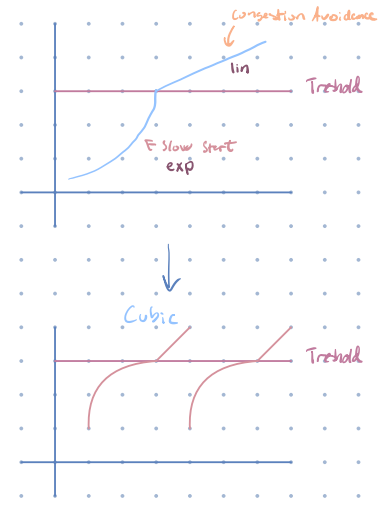
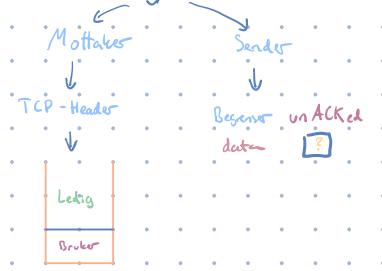
Egenskaper ved TCP



Etablere kontakt



Flow control



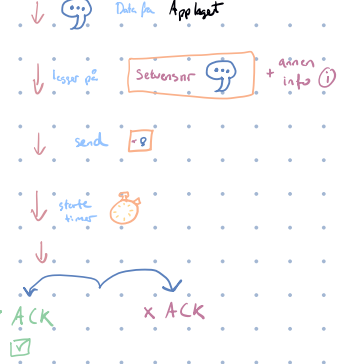
Sende informasjon

Se nedenfor

Kobling

Sender vs Mottaker

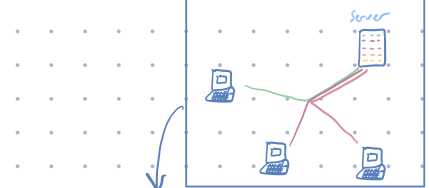
TCP - Sender



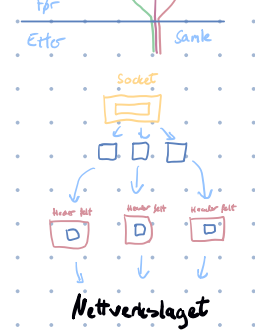
TCP - Mottaker



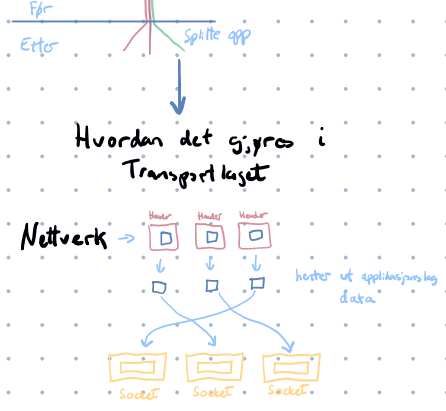
Snakke med server



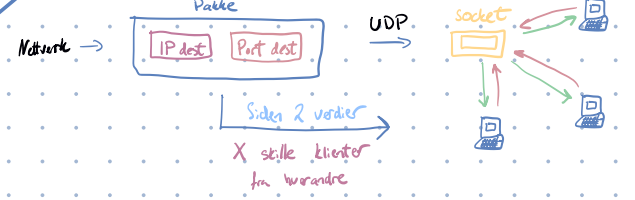
Multiplexing



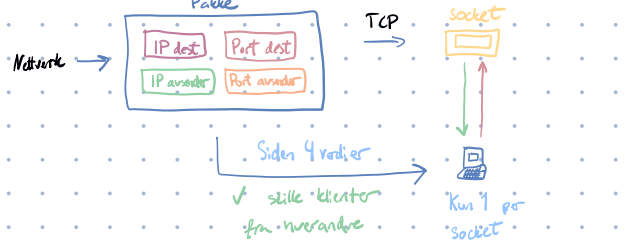
Demultiplexing



Connectionless Demultiplexing UDP



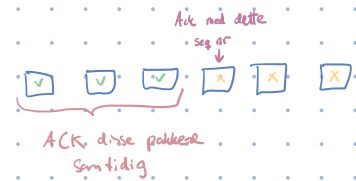
Connection oriented Demultiplexing TCP



Sende informasjon



- Kumulativ ACK:



- Hvordan TCP fungerer

Mottaker



Riktig rekkefølge → Vent og send Kumulativ ACK



Out of order → Duplicate ACK med den man bruker, men ikke tørste pakker



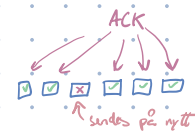
Fyller et gap → Send ACK

- UDP
- Quic → congestion control
↳ 1 RTT

Quality
Data
overføring

- Two-way handshake
→ dupliert halvåpen

- Selectiv repeat



vs

Go-Back-N:



Sender



ACK kommer ikke frem



timeout går ut

3 Dup ACKs

Send på nytt

UDP

TCP

Connectionless Demultiplexing



Siden 2 verdier
X. stille klienter
for hverandre

Demultiplexing

Connection oriented Demultiplexing



Siden 4 verdier
✓ stille klienter
for hverandre



Hvordan informasjon sendes

Strøm
1010110101100010



Analyserer header etter
informasjon om klient

Hvor sende informasjon tilbake

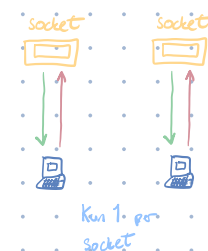


Brukes ikke i
demultiplexing

Source Port Destination Port

fordi variabel
lengde → Length Checksum

Antall tilkoblinger



Kan ha samme socket
ulike brøker, men det kan
ikke være samtidig.

Header felt

Source Port Destination Port