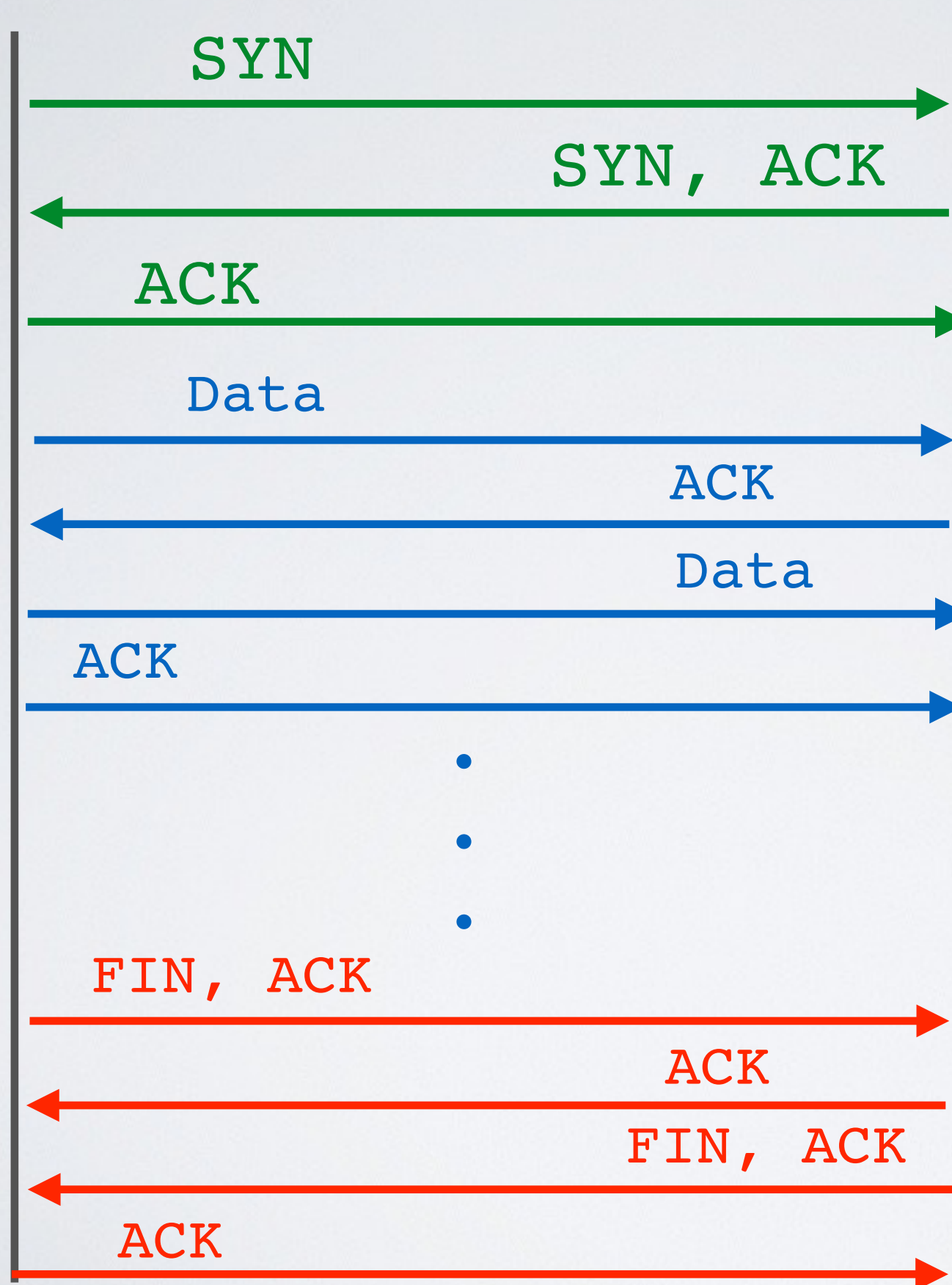
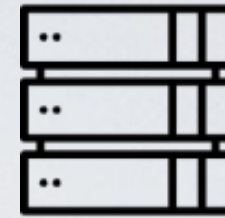


# TCP - Transmission Control Protocol

- The sender divides data-stream into packets sequence number is attached to every packet
  - The receiver checks for packets errors, reassembles packets in correct order to recreate stream
  - ACK (acknowledgements) are sent when packets are well received and lost/corrupt packets are re-sent
- ➡ Connection state maintained on both ends

# Anatomy of a TCP connection



The server **allocates resources** to handle that connection (thread, buffer and others)