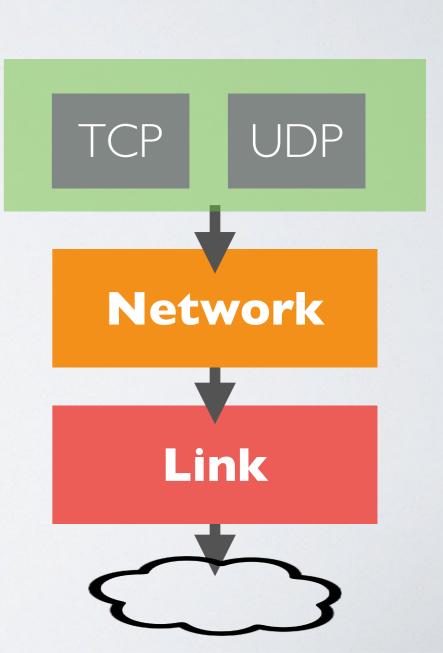
The Transport Layer

Collection of protocols to ensure end-toend connections

- → Allows hosts to have multiple connections through **ports**
- → Allows messages to be **fragmented** into small IP packets
- → Make sure that all packets are received



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