

Layers

Application

Transportation

Internet

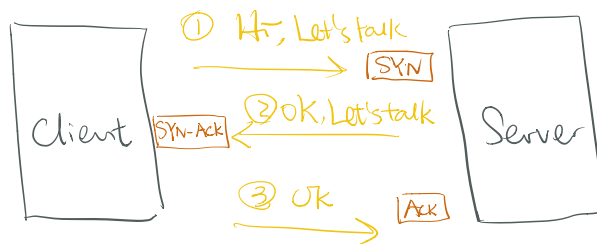
- internet protocol (IP)
 - Connection-less protocol
 - 断开连接时 packets are preserved

Link

physical link: wifi:

TCP

- Connection Oriented, bidirectional
- acknowledged by server & client when connected



This is a 3-way handshake

- Importance of Acknowledgements
 - losing packets → can send again
 - This makes TCP reliable, but internet slowdown when react to lost packet

* UDP: not reliable, doesn't react to packet loss
→ e.g. Skype call, online gaming: We don't
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