

# SuperChAT

Chat with a bit of HackeR's vibe

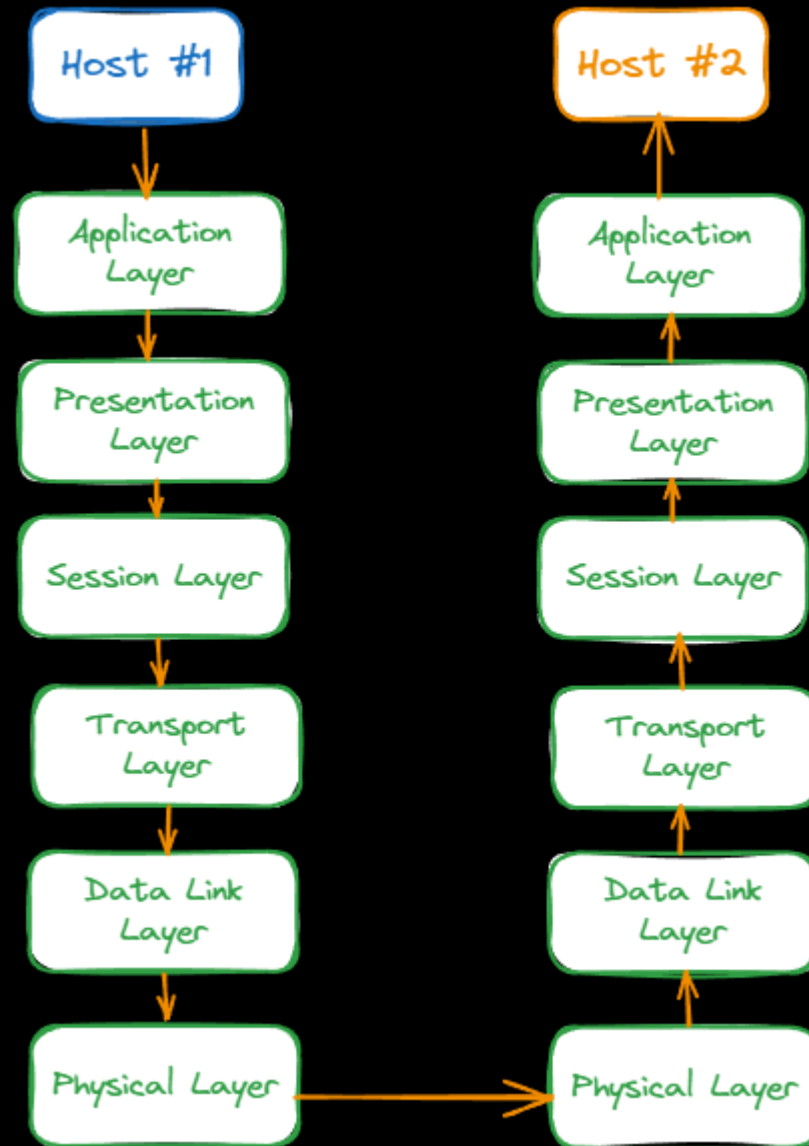


# Agenda

- Network
  - Networking basics
  - James Bond protocol (JB over TCP)
- SuperChat App
  - Secure features for true HaCkErs
  - Demo

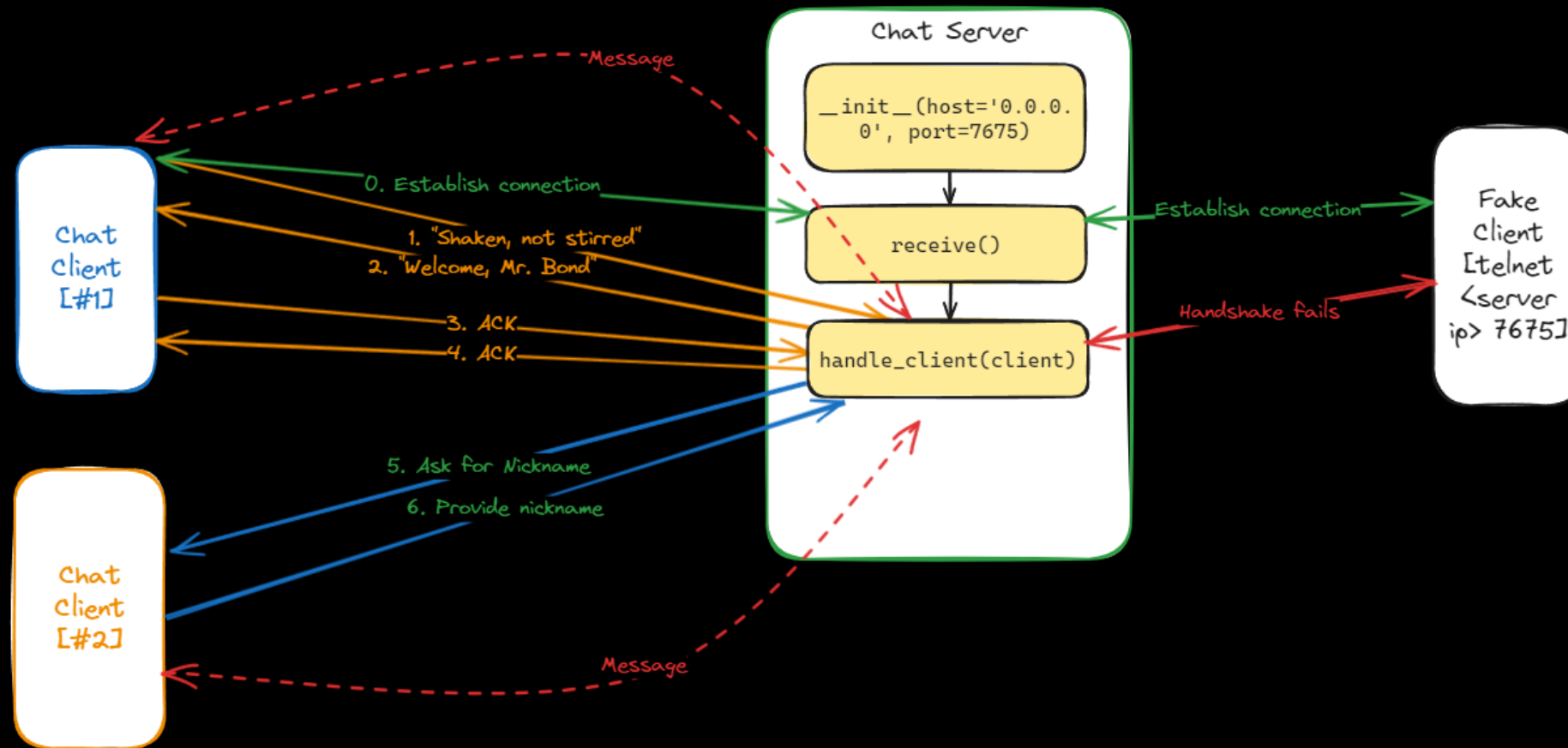


# Networking basics. OSI model.



- All computers on a network communicate via different layers, by wrapping packet with additional information (encapsulation) and unwrapping packet (decapsulation)
- This is industry standard model –Open Systems Interconnect

# Custom protocol – JB over TCP (L7)



# Secure features for true HaCkErs

- Only nicknames are used. No passport, postcode and etc.
- Server doesn't store any conversations logs.
- Client doesn't store any conversations logs.
- Looks like a student pet project. You are above suspicion.

# Demo

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- Server doesn't store any conversations logs.
- Client doesn't store any conversations logs.
- Looks like a student pet project. You are above suspicion.
- <https://github.com/olnov/superchat>

Thank you!