

# IMPLEMENT NETWORK

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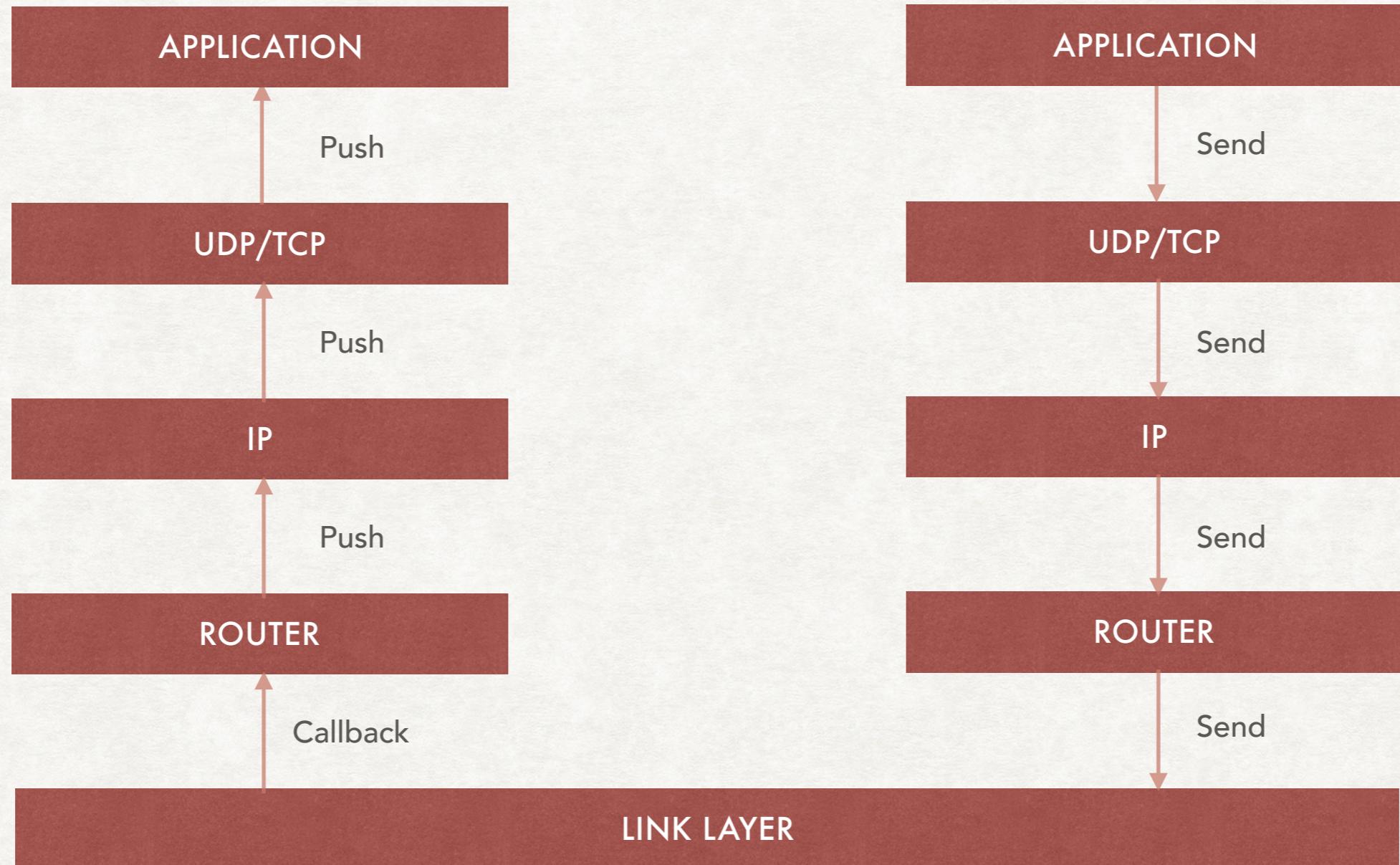
# DIVISION OF LABOR

曾歆勋： UDP/ICMP/socket/整合

张诗奇： Router/IP/ICMP

陈震宇： TCP

# STRUCTURE



# SPECIFIC TECHNIQUES

- Router
  - NAT
  - Forwarding Table
- IP
  - Checksum
- ICMP
  - Checksum
  - Ping
  - Reply
- Socket
  - Buffer
- UDP
- TCP
  - Timeout calculation
  - Three-way handshake
  - Fast retransmission
  - Out-of-order data storage
  - Checksum
  - Pipeline sending
  - RST support

# DEMO

- Reliable data transfer via TCP
- ICMP ping
- Routing
- Chatroom via UDP

