Computer Networks

Lecture Organization

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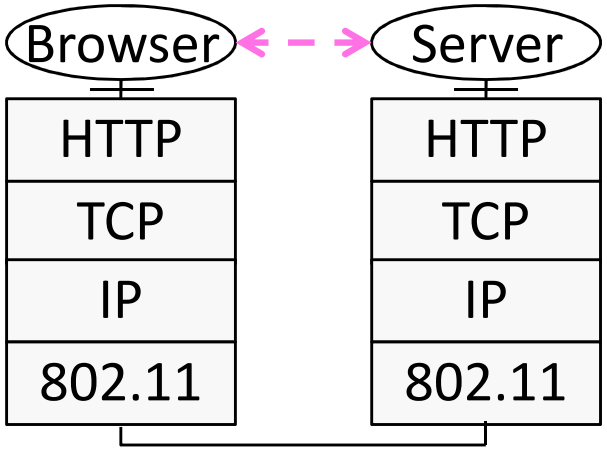
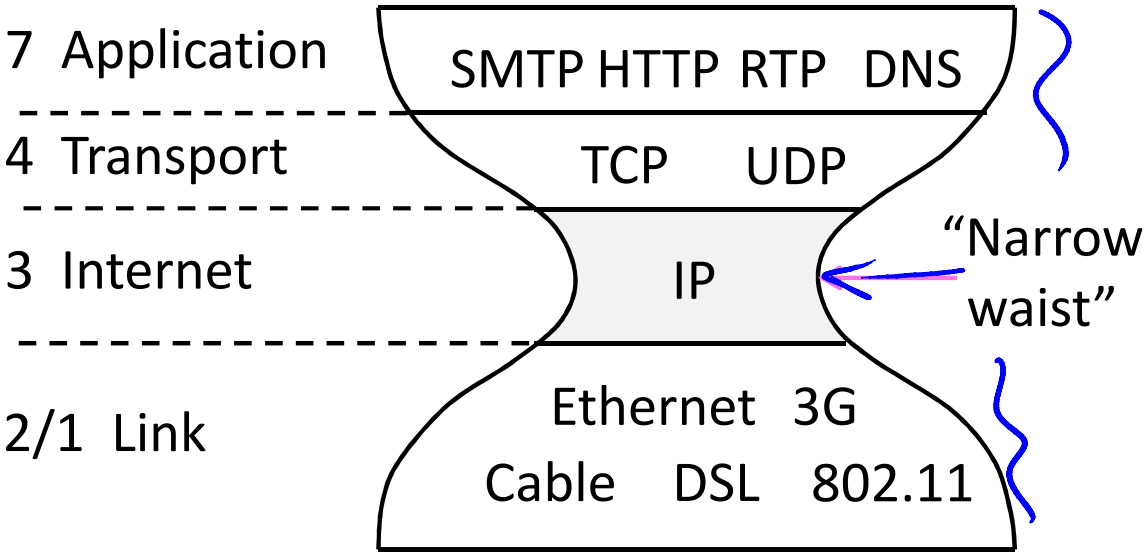
Done – Protocols and Layering

- We've covered the key organizing structure of networks ☺
  - Now you know diagrams like this:



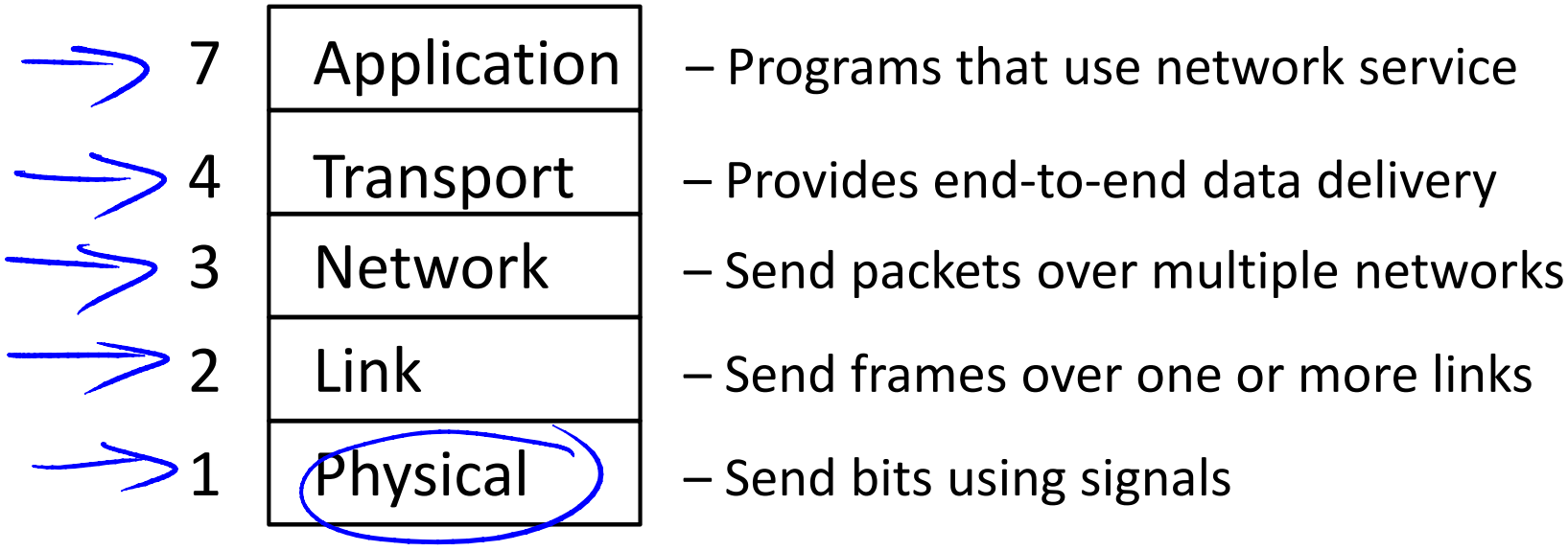
Done – Protocols and Layering (2)

- And you're seen how the Internet protocols are organized:



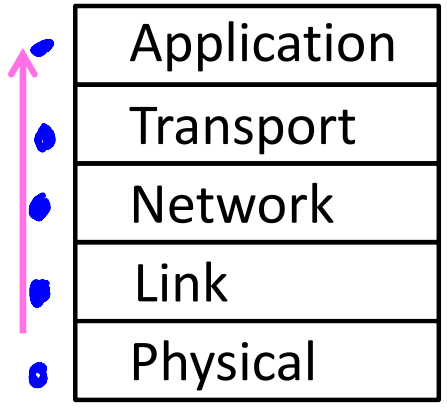
Course Reference Model

- We mostly follow the Internet
  - A little more about the Physical layer, and alternatives



Lecture Progression

- Bottom-up through the layers:

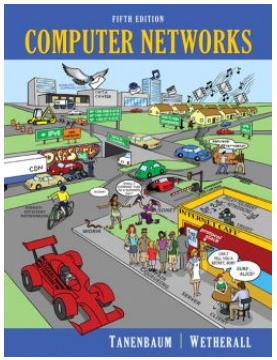


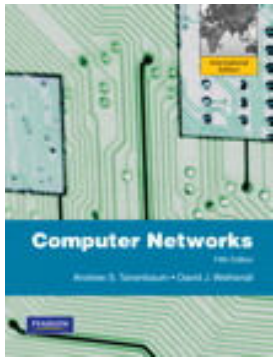
- HTTP, DNS, CDNs
- TCP, UDP
- IP, NAT, BGP
- Ethernet, 802.11
- wires, fiber, wireless

- Followed by more detail on:
  - Quality of service, Security (VPN, SSL)

Textbook

- "Computer Networks" 5/E (US or Intl, print or e-text) is optional but recommended
  - We'll do our best to let you work without it (with the odd web search)
  - Read it for explanations, greater depth, extra topics, a reference, etc.





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