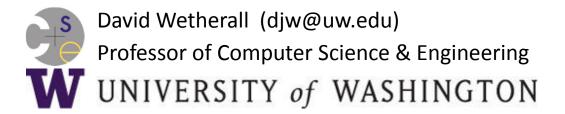
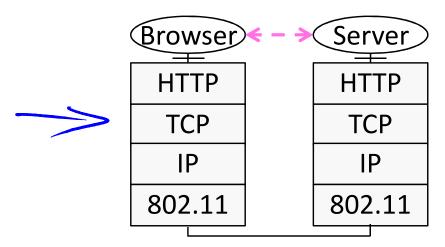
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Lecture Organization



Done – Protocols and Layering

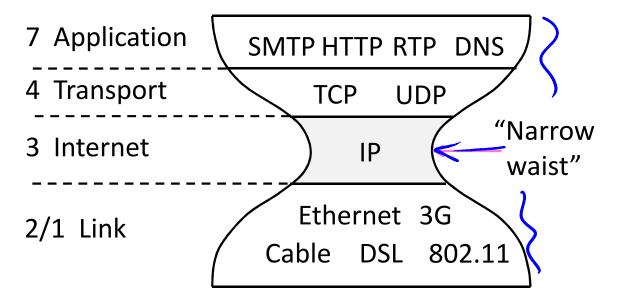
- We've covered the key organizing structure of networks ©
 - Now you know diagrams like this:



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Done – Protocols and Layering (2)

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

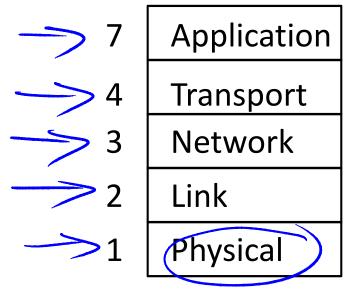


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Course Reference Model

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



- Programs that use network service
- Provides end-to-end data delivery
- Send packets over multiple networks
- Send frames over one or more links
- Send bits using signals

Lecture Progression

Bottom-up through the layers:

-	
^	Application
•	Transport
•	Network
•	Link
•	Physical

- HTTP, DNS, CDNsTCP, UDPIP, NAT, BGP

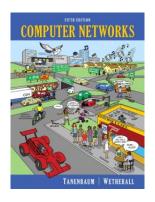
- Ethernet, 802.11
- wires, fiber, wireless
- Followed by more detail on:
 - Quality of service, Security (VPN, SSL)

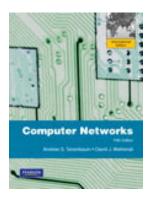
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Textbook

"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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END

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