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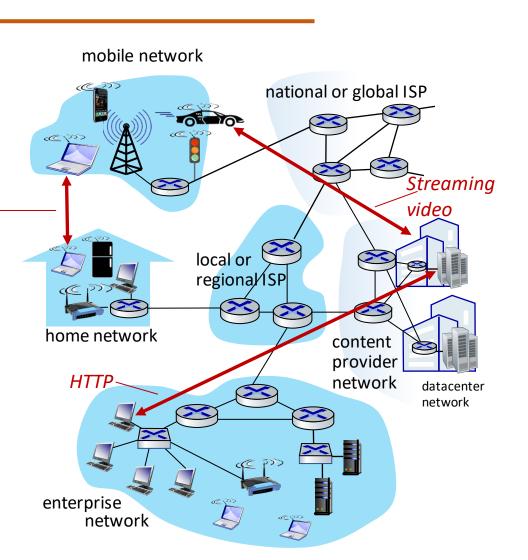
Computer Networks and the Internet

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The Internet: A "Service" View

- *Infrastructure* that provides services to applications:
 - Web, streaming video, multimedia teleconferencing, email, games, ecommerce, social media, inter-connected appliances, ...
 - provides programming interface to distributed applications:
 - "hooks" allowing sending/receiving apps to "connect" to, use Internet transport service
 - provides service options, analogous to postal service





What is a Protocol?

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Human protocols:

- "what's the time?"
- "I have a question"
- introductions
- ... specific messages sent
- ... specific actions taken when message received, or other events

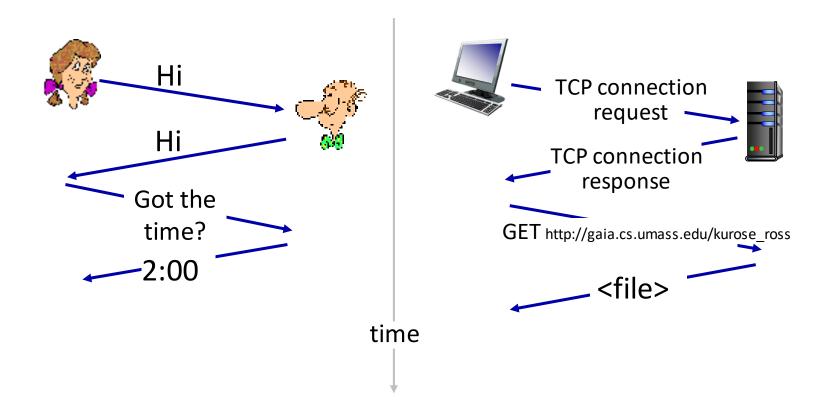
Network protocols:

- computers (devices) rather than humans
- all communication activity in Internet governed by protocols

Protocols define the format, order of messages sent and received among network entities, and actions taken on msg transmission, receipt.

What's a Protocol?

A human protocol and a computer network protocol:



Q: other human protocols?



Queries









THANK YOU

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