## Internet Applications



Web http

Mail smtp imap pop3 exchange

BiTorrent

File Exchange Remote Shell ssh

Internet example.com

## The Internet Protocol Suite (a.k.a the network stack)

Protocols are built on top of each other as layers (modularity and encapsulation)

- How can two programs send messages to each other?
- How to make sure that messages have been well transmitted?
- How to route messages through the network?
- How to encode messages to go through copper, fiber or air?

