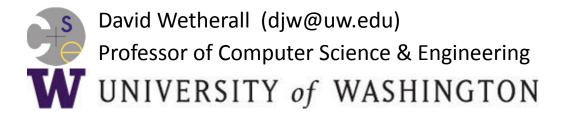
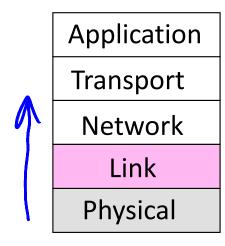
Computer Networks

Overview of the Link Layer



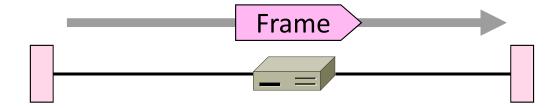
Where we are in the Course

Moving on to the Link Layer!

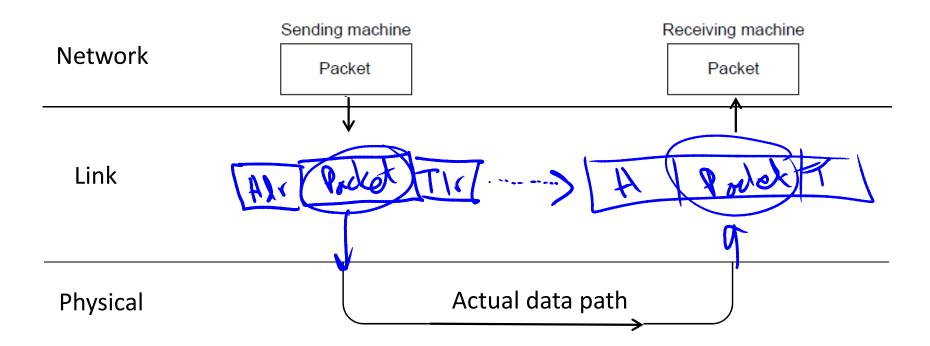


Scope of the Link Layer

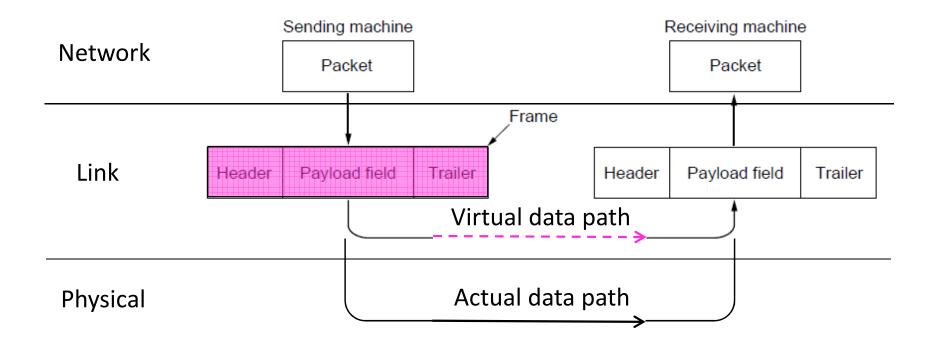
- Concerns how to transfer messages over one or more connected links
 - Messages are <u>frames</u>, of limited size
 - Builds on the physical layer



In terms of layers ...



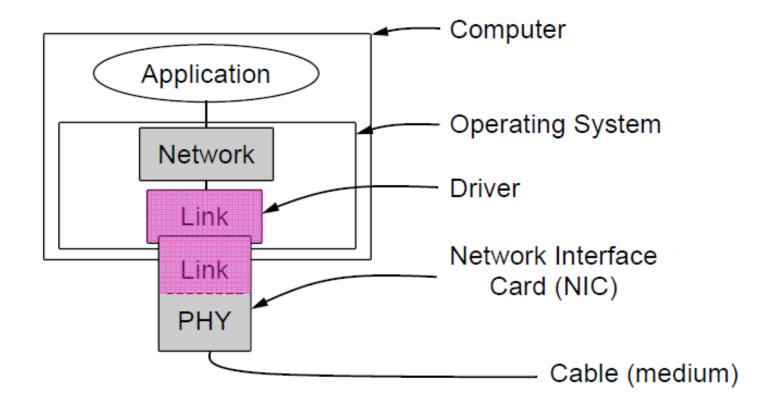
In terms of layers (2)



Typical Implementation of Layers

Ver level Eppiertion
Operatingsystem Thought
Hardware
Physical

Typical Implementation of Layers (2)



Topics

- 1. Framing
 - Delimiting start/end of frames
- Error detection and correction
 - Handling errors
- 3. Retransmissions
 - Handling loss
- 4. Multiple Access
 - 802.11, classic Ethernet
- 5. Switching
 - Modern Ethernet

Later

END

© 2013 D. Wetherall

Slide material from: TANENBAUM, ANDREW S.; WETHERALL, DAVID J., COMPUTER NETWORKS, 5th Edition, © 2011. Electronically reproduced by permission of Pearson Education, Inc., Upper Saddle River, New Jersey