

Computer Networks

Overview of the Link Layer



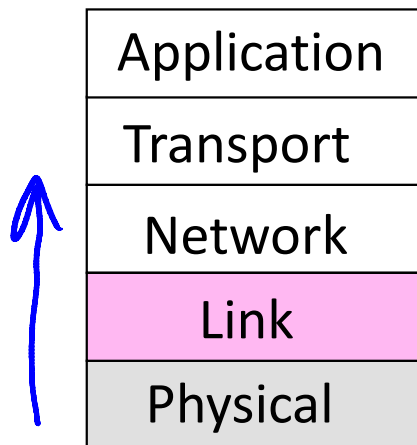
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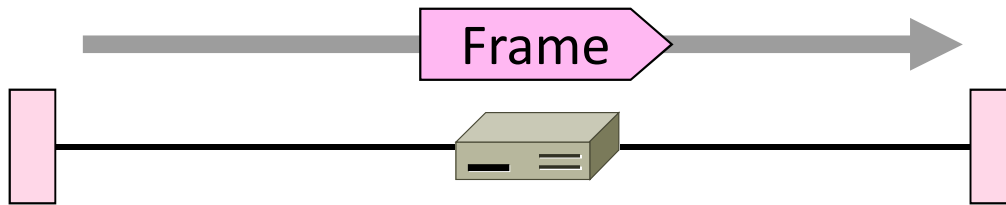
Where we are in the Course

- Moving on to the Link Layer!

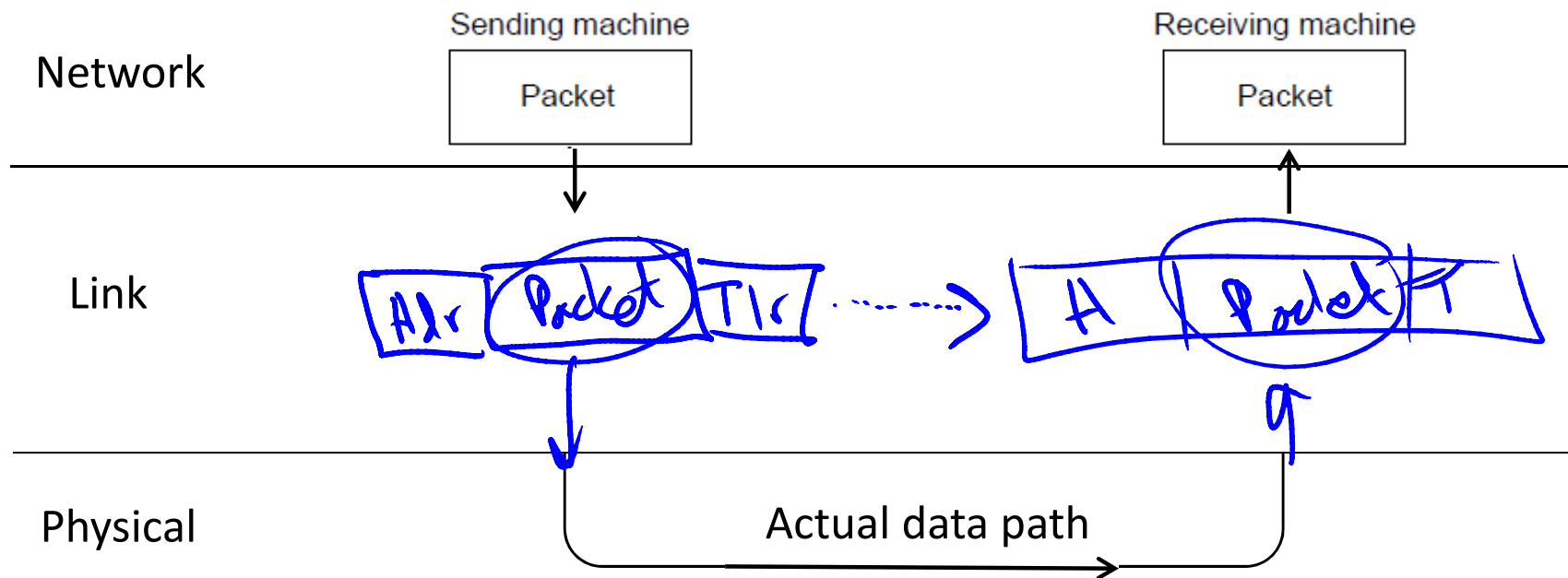


Scope of the Link Layer

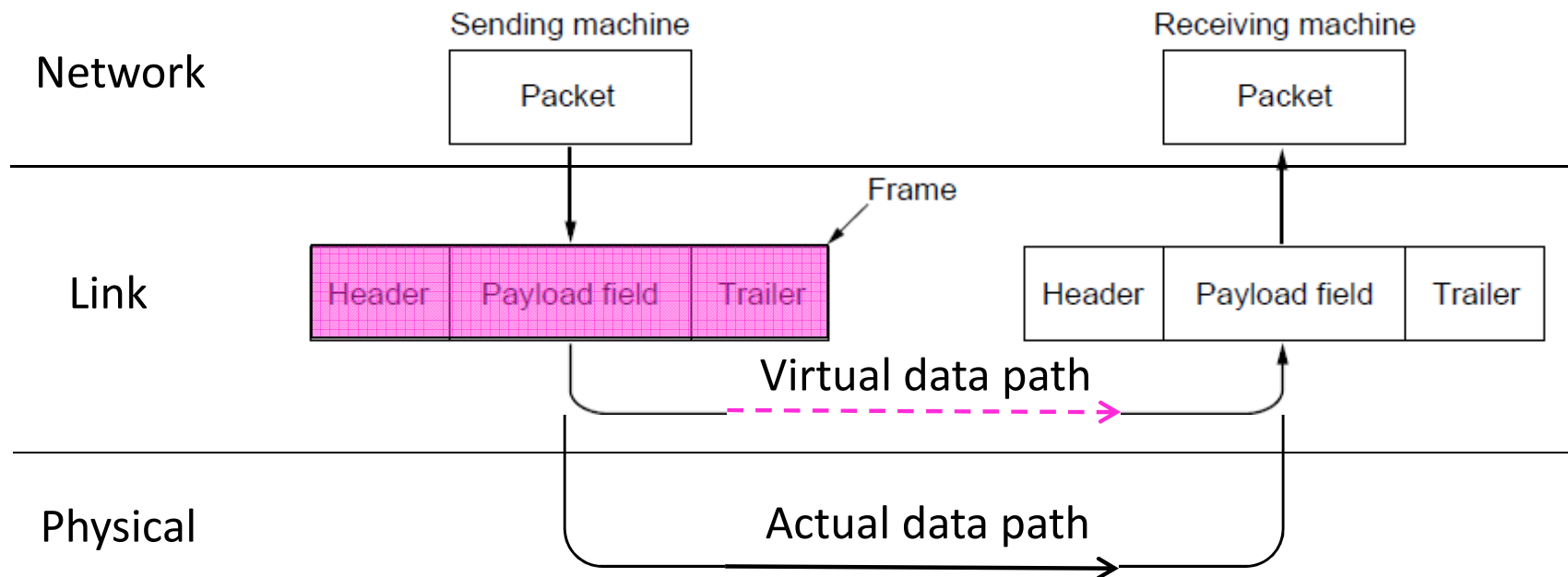
- Concerns how to transfer messages over one or more connected links
 - Messages are frames, of limited size
 - Builds on the physical layer



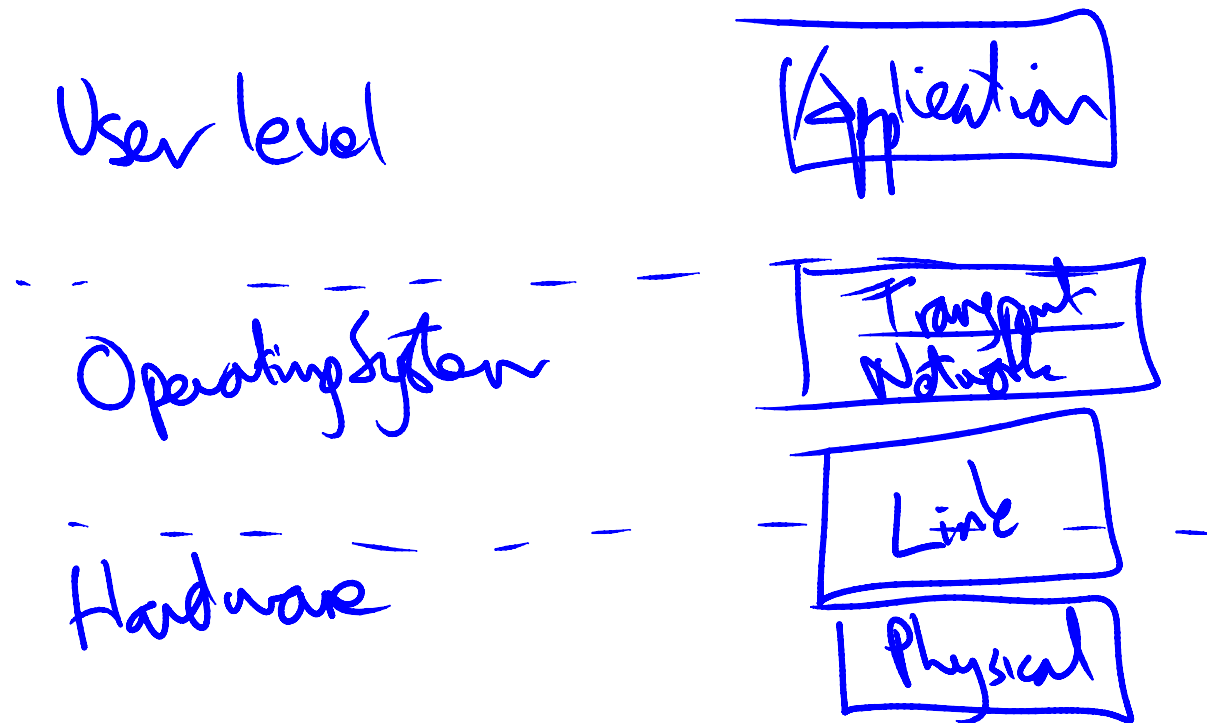
In terms of layers ...



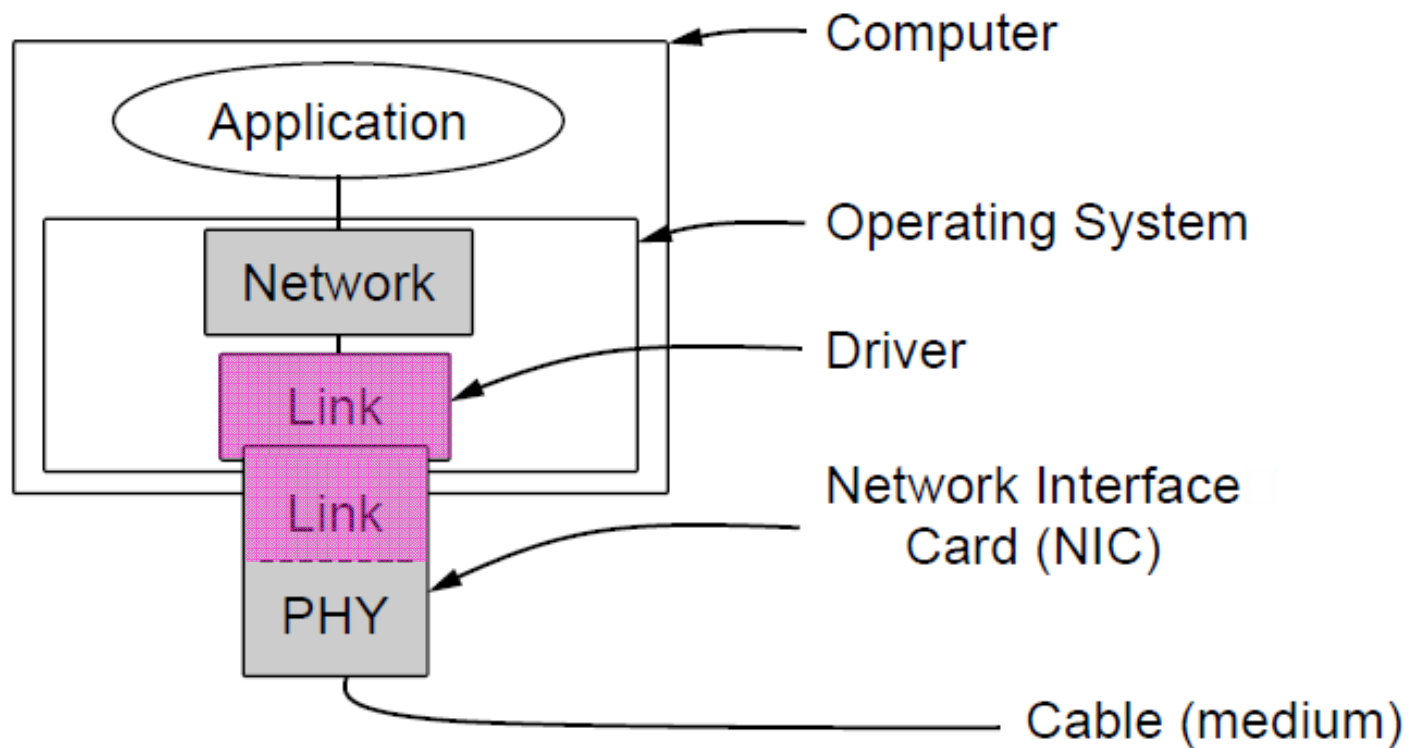
In terms of layers (2)




Typical Implementation of Layers



Typical Implementation of Layers (2)



Topics

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

END

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