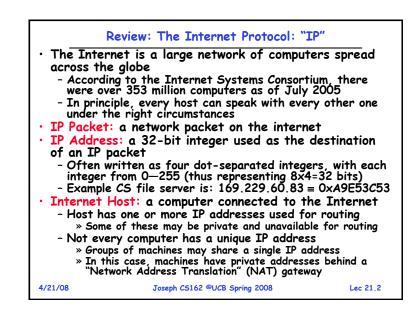
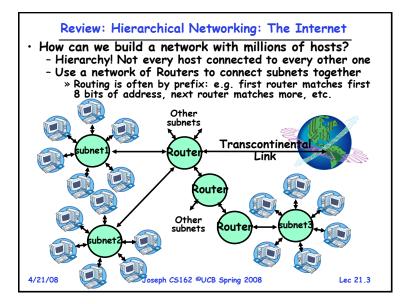
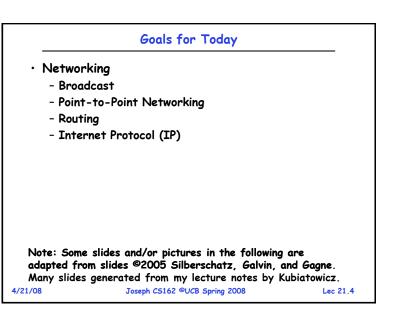
CS162 Operating Systems and Systems Programming Lecture 21

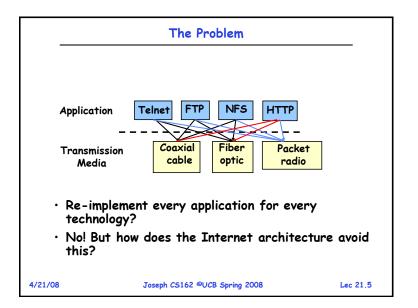
Networking

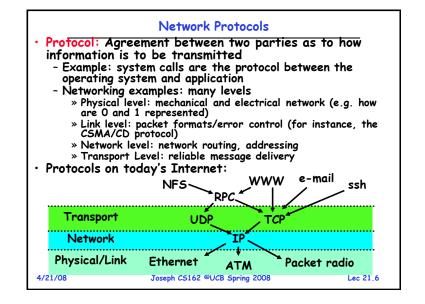
April 21, 2008 Prof. Anthony D. Joseph http://inst.eecs.berkeley.edu/~cs162

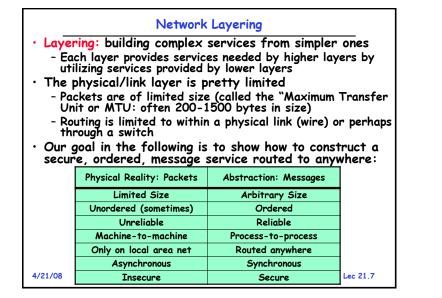


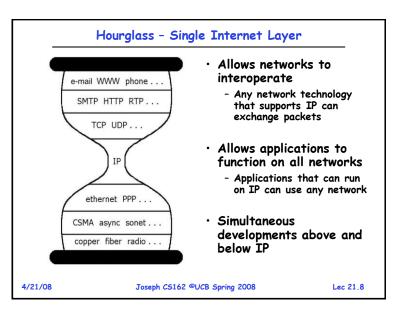


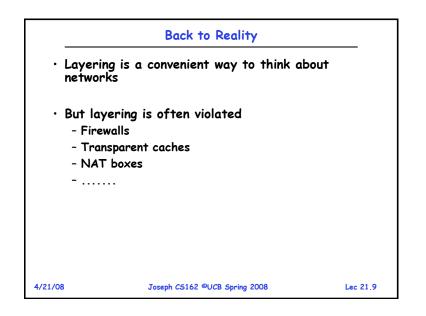


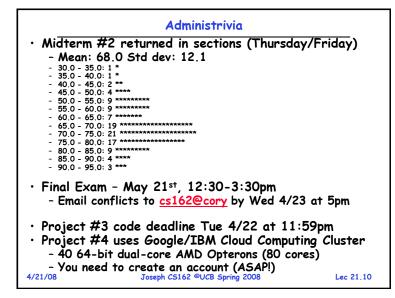




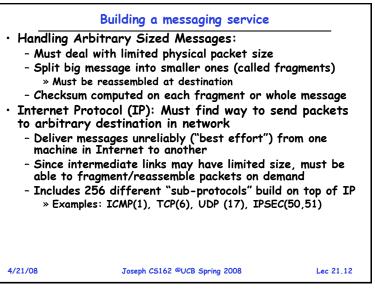


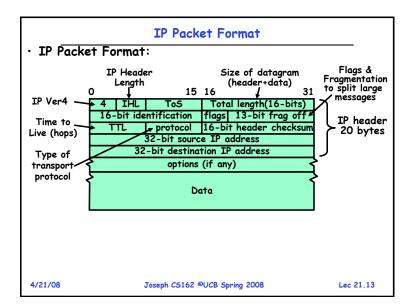


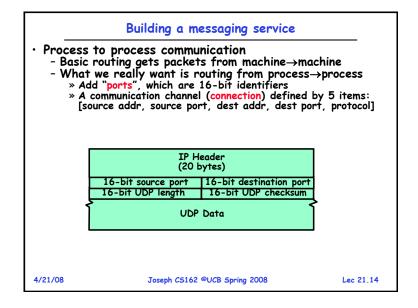


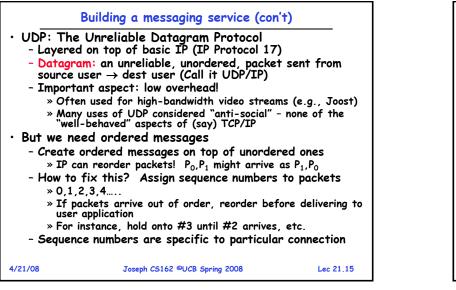


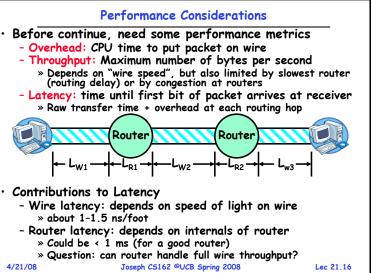
Administrivi	a - Creating a CCC Ac	count
1. Login to <u>http://i</u> and select: "Req	<mark>nst.eecs.berkeley.edu/</mark> uest Cloud Cluster acco	<mark>/webacct/aws</mark> punt"
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5. Within 24 hours the Cloud Cluste	, your account will be a	enabled on
4/21/08 Jos	ph CS162 ©UCB Spring 2008	Lec 21.11

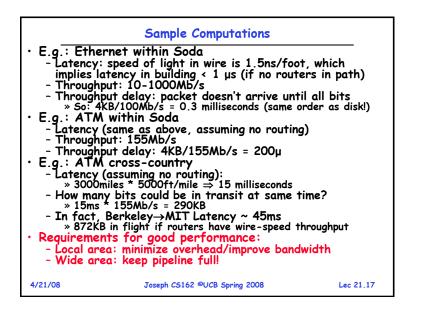


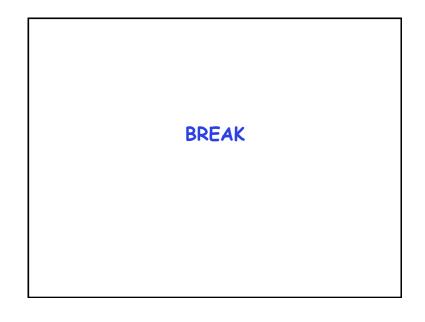


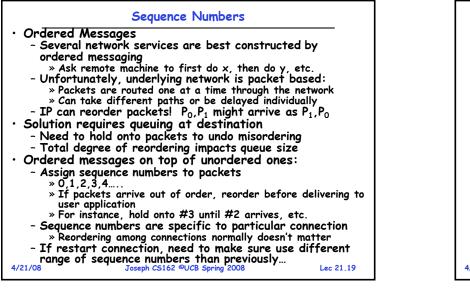


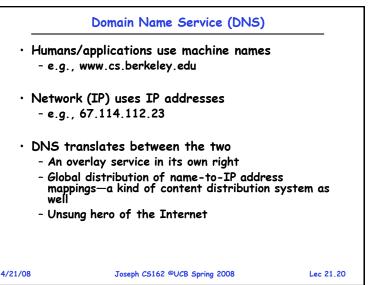


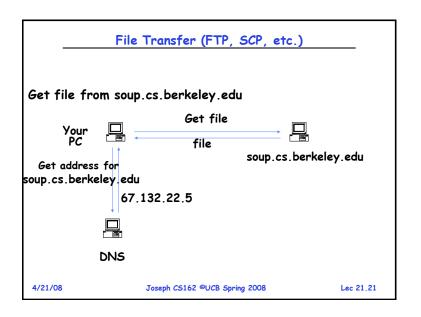


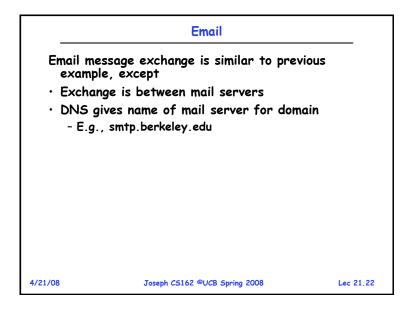


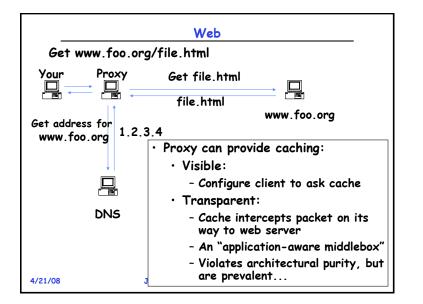


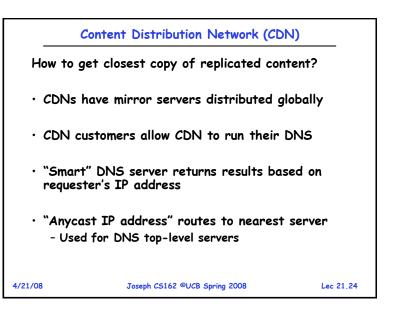












Conclusion	
Internet Protocol (IP): Layering used to abstract details - Used to route messages through routes across globe - 32-bit addresses, 16-bit ports Layering: building complex services from simpler ones Datagram: an independent, self-contained network message whose arrival, arrival time, and content are not guaranteed Performance metrics - Overhead: CPU time to put packet on wire - Throughput: Maximum number of bytes per second - Latency: time until first bit of packet arrives at receive Arbitrary Sized messages: - Fragment into multiple packets; reassemble at destinatio Ordered messages: - Use sequence numbers and reorder at destination	
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