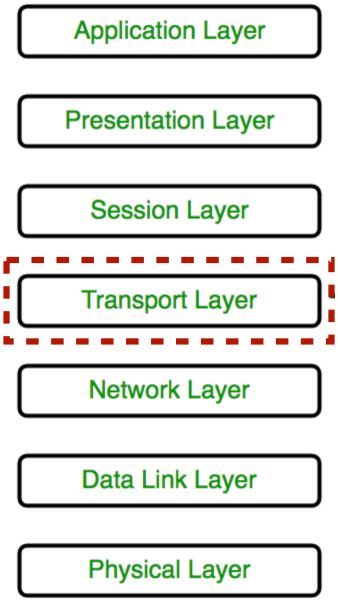
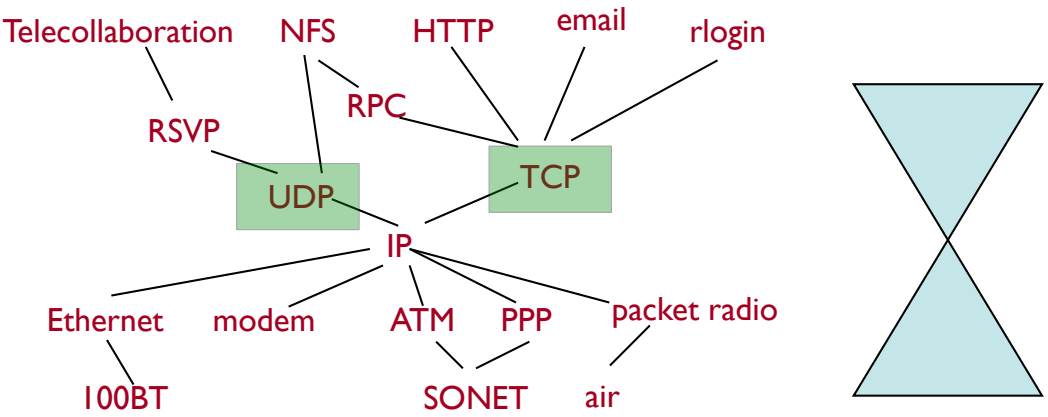
Transport Layer (Layer 4)

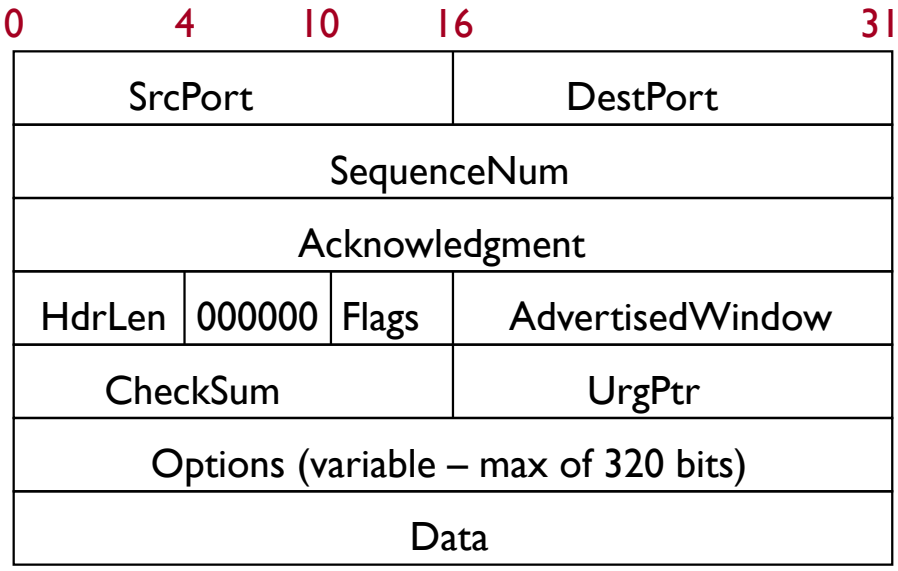


IP Hourglass (redux)

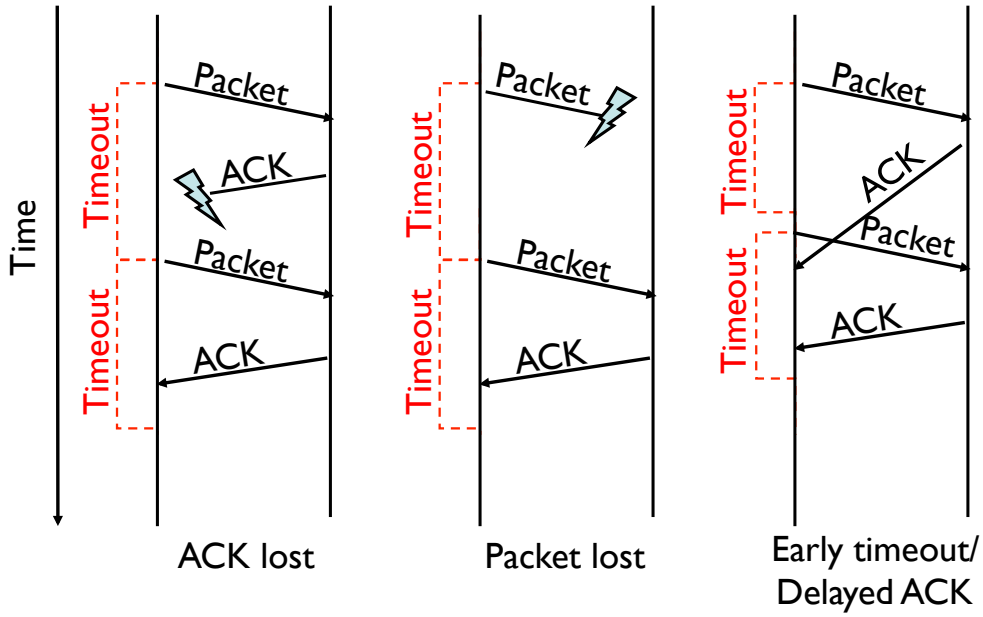


User Datagram Protocol (UDP)

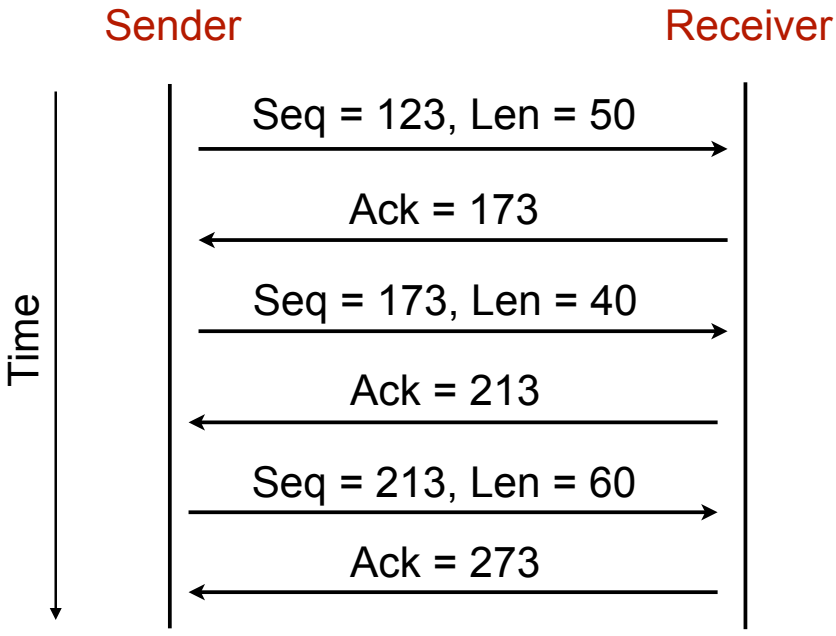
Transmission Control Protocol (TCP)



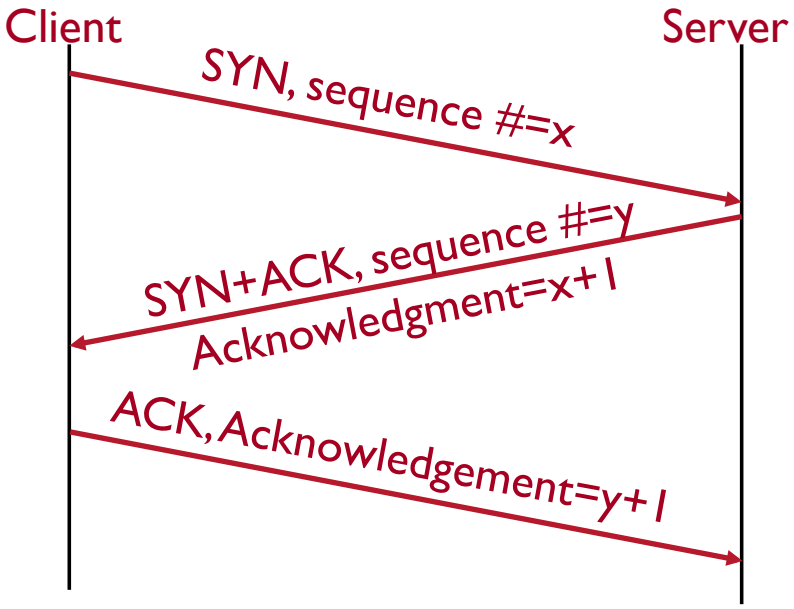
ACKs and Timeouts



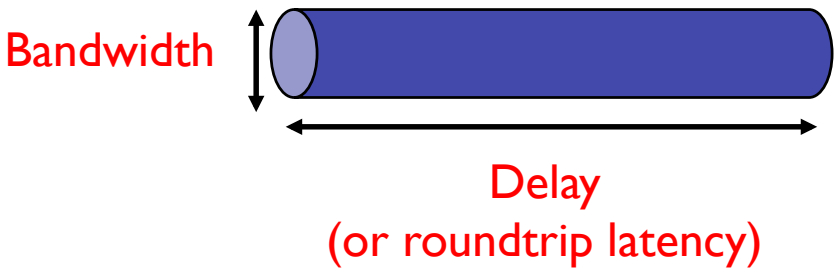
Sequence and ACK Numbers



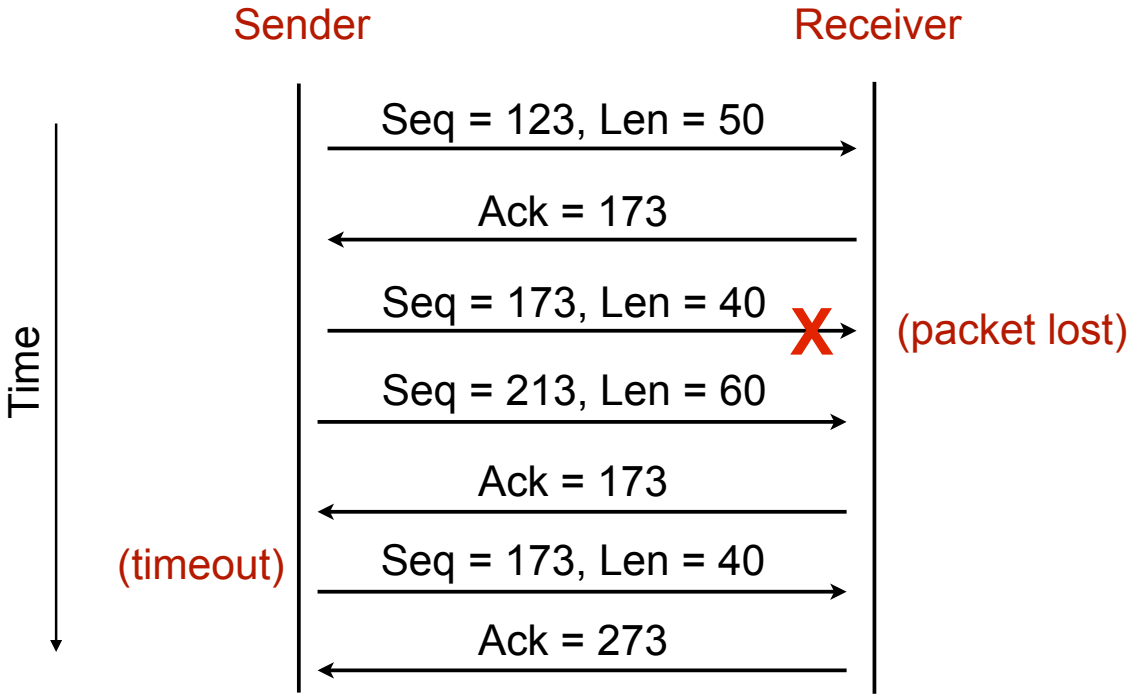
Three-Way Handshake



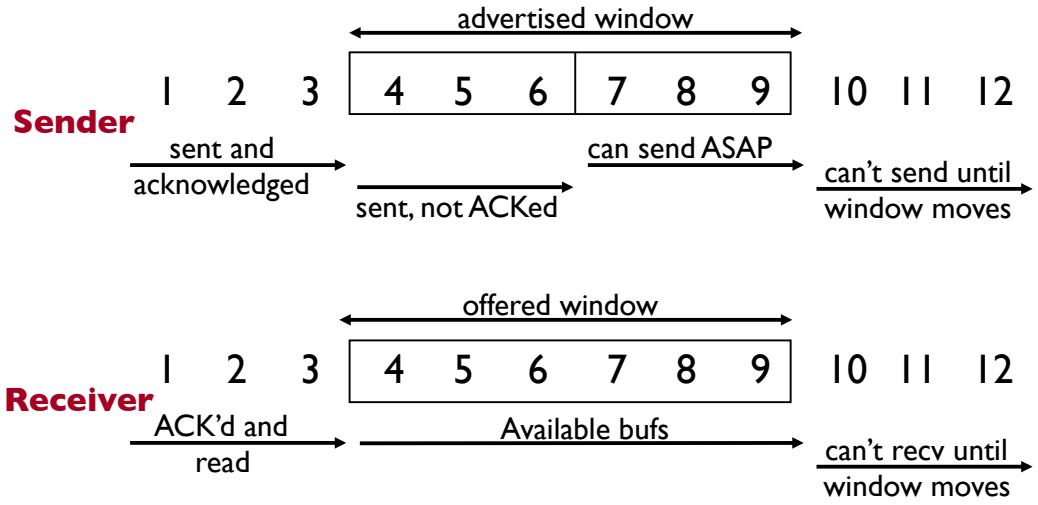
Filling the Pipe



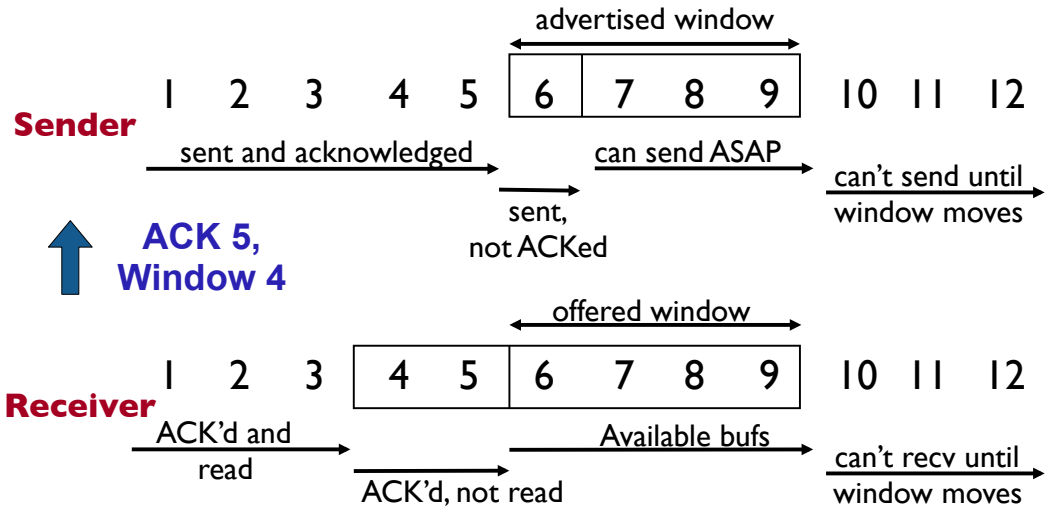
Lost Packets



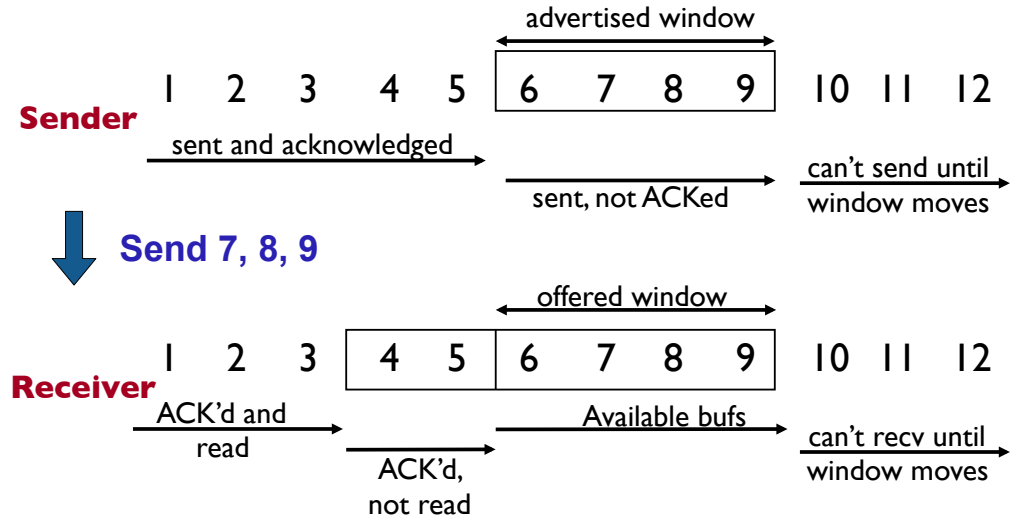
TCP Sliding Window (1)



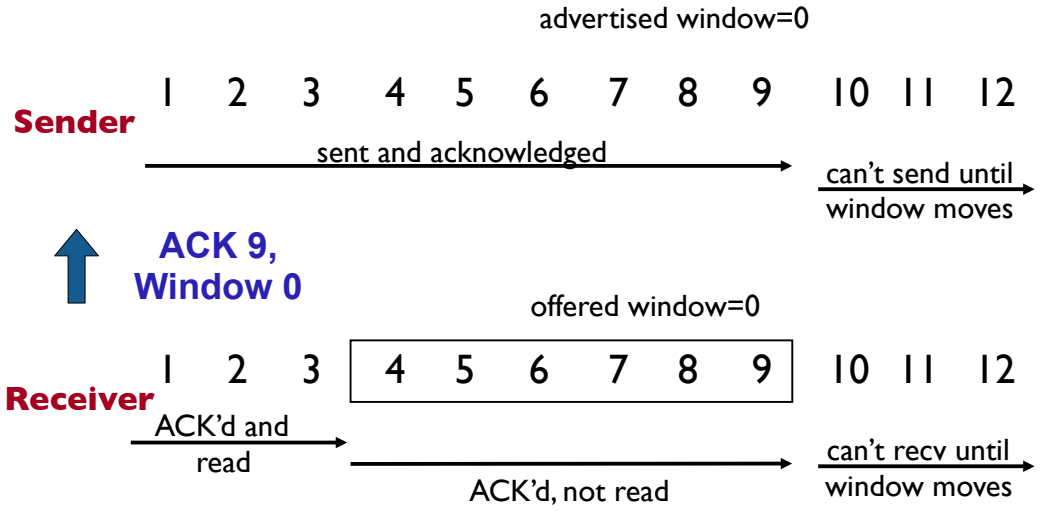
TCP Sliding Window (2)



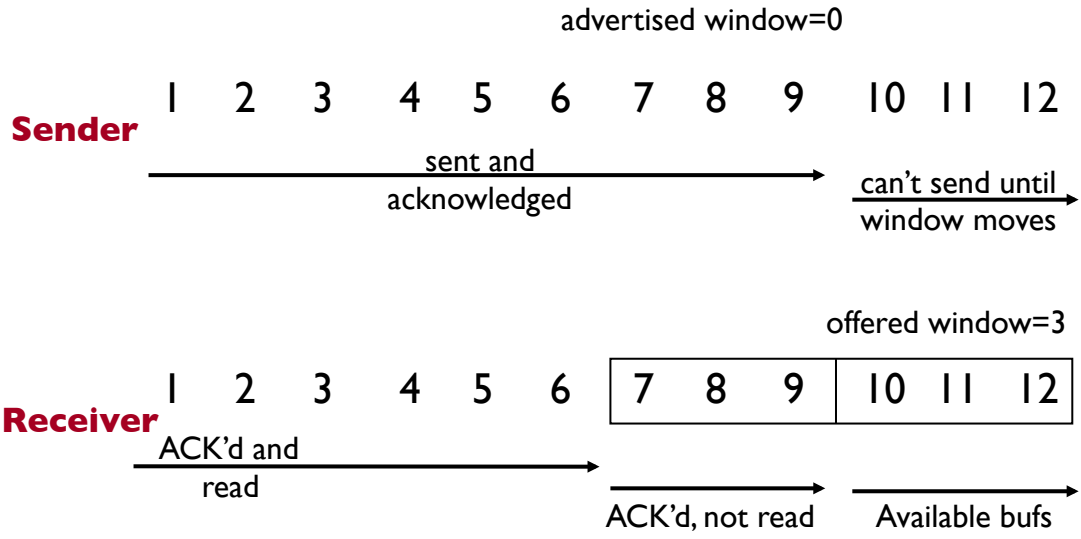
TCP Sliding Window (3)



TCP Sliding Window (4)

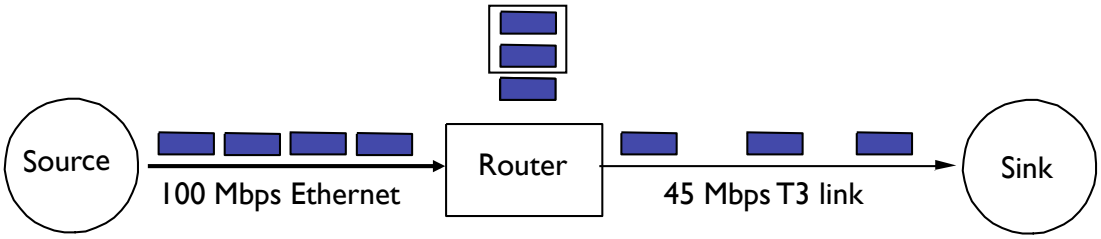


TCP Sliding Window (5)

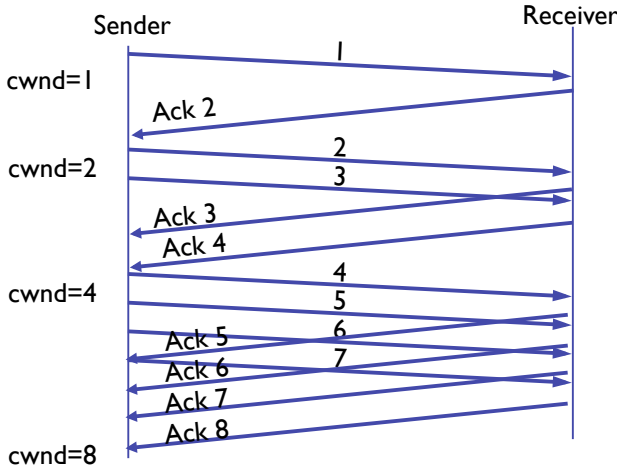


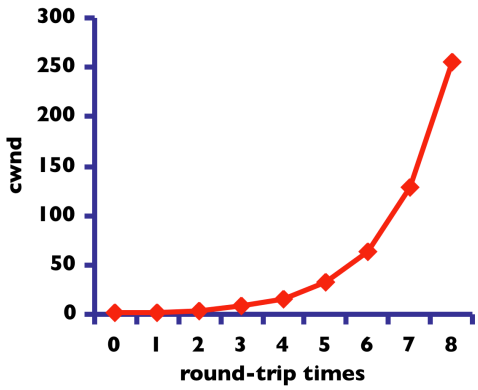
Read bytes 4, 5, 6

Congestion Control

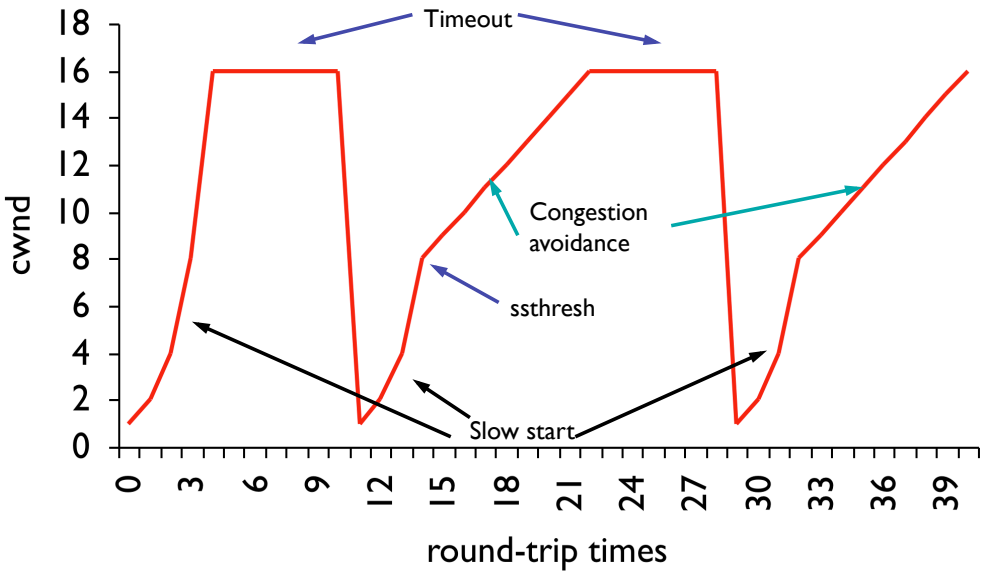


Slow Start

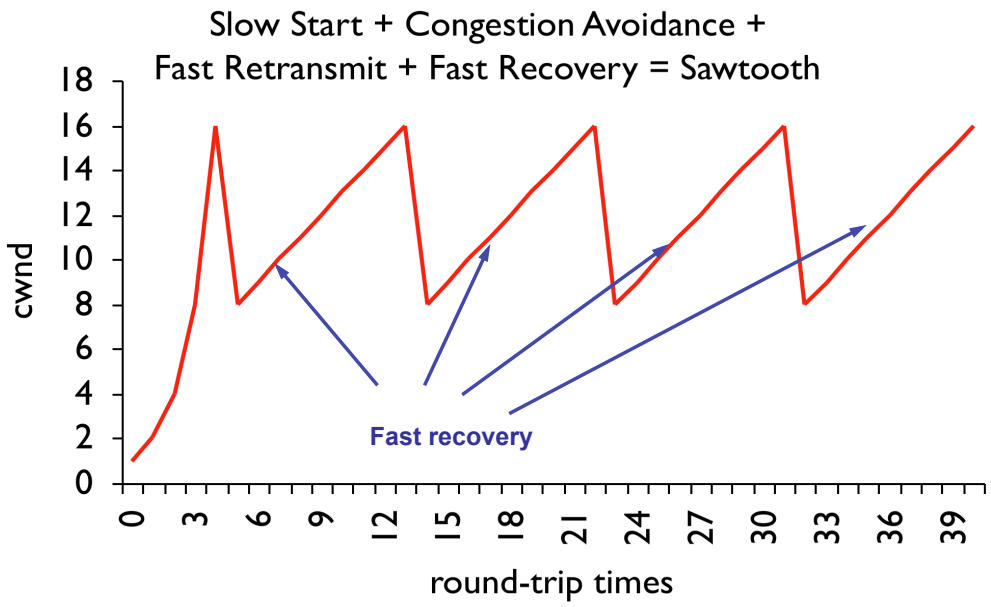




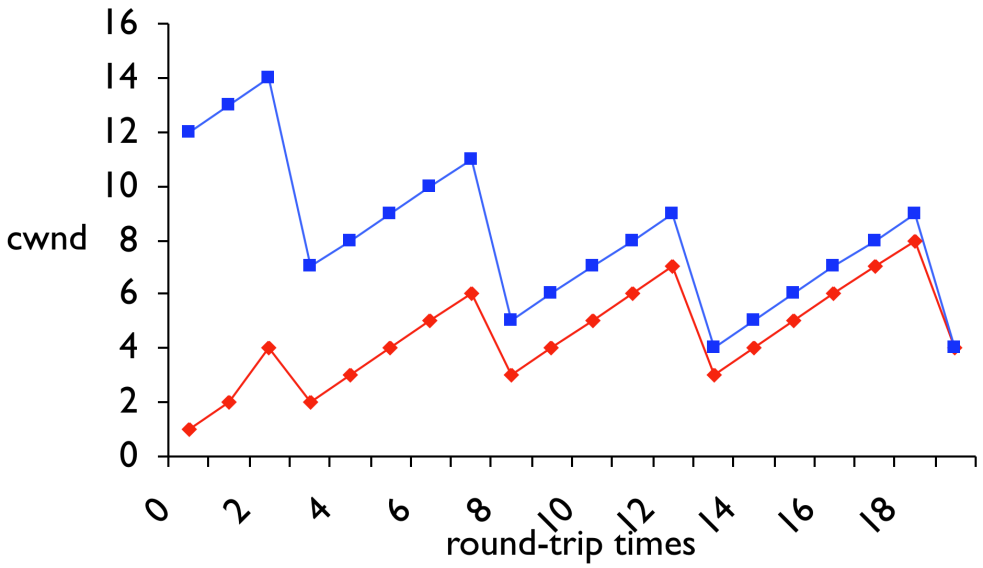
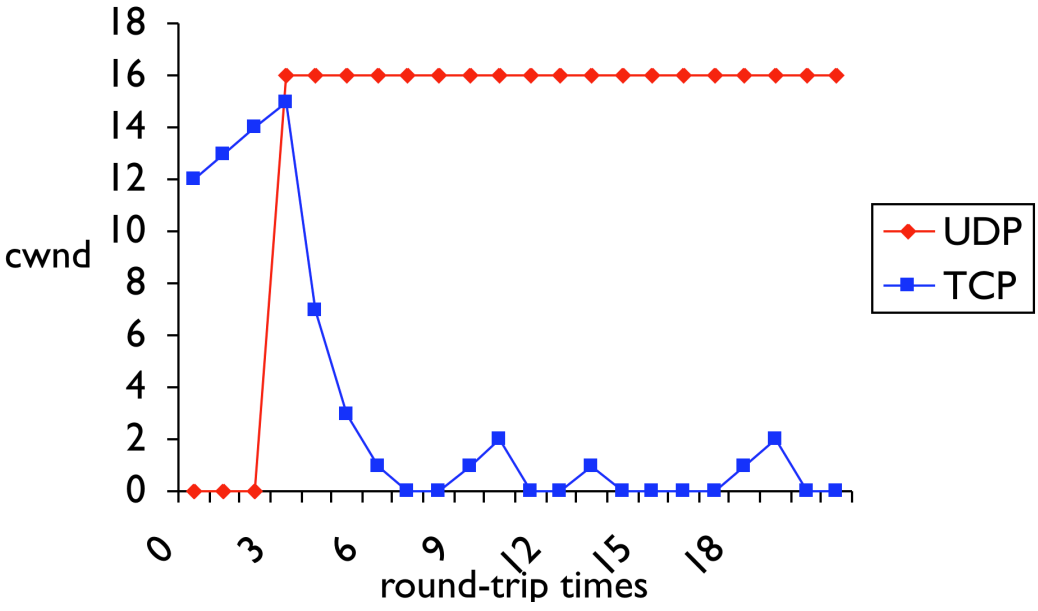
Slow Start + Congestion Avoidance



TCP Sawtooth Pattern



TCP Link Sharing



TCP/UDP Sharing