













State	Event	TCP Sender Congestion-control Action	Commentary
Slow Start (SS)	ACK receipt for previously unacknowledged data	CongWin = CongWin + MSS, If (CongWin > Threshold) set state to "Congestion Avoidance"	Resulting in a doubling of CongWin every RTT.
Congestion Avoidance (CA)	ACK receipt for previously unacknowledged data	CongWin = CongWin + MSS • (MSS/CongWin)	Additive increase, resulting in increase of CongWin by 1 MSS every RTT.
SS or CA	Loss event detected by triple duplicate ACK	Threshold = CongWin/2, CongWin = Threshold, set state to "Congestion Avoidance"	Fast recovery, implementing multiplicative decrease. CongWin will not drop below 1 MSS.
SS or CA	Timeout	Threshold = CongWin/2, CongWin = 1 MSS, set state to "Slow Start"	Enter slow start.
SS or CA	Duplicate ACK	Increment duplicate ACK count for segment being acknowledged	CongWin and Threshold not changed.







