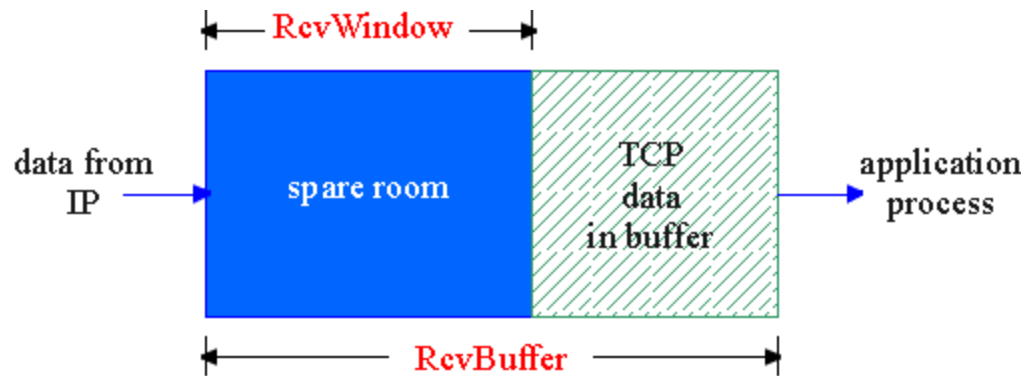


TCP Flow Control

- receive side of TCP connection has a receive buffer:



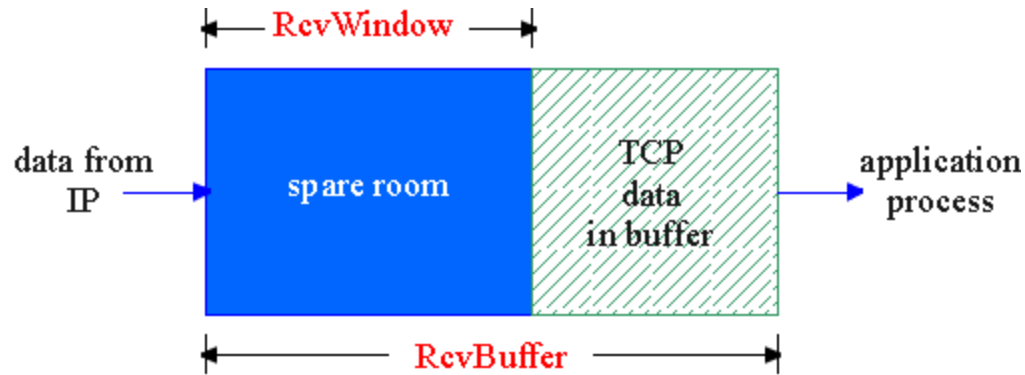
- app process may be slow at reading from buffer

flow control

sender won't overflow receiver's buffer by transmitting too much, too fast

- speed-matching service: matching the send rate to the receiving app's drain rate

TCP Flow Control: How It Works



- Rcvr advertises spare room by including value of **RcvWindow** in segments
- Sender limits unACKed data to **RcvWindow**
 - guarantees receive buffer doesn't overflow

(Suppose TCP receiver discards out-of-order segments)

- spare room in buffer
- = **RcvWindow**
- = **RcvBuffer - [LastByteRcvd - LastByteRead]**