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If the process is reading data as fast as it arrives?
The advertised window stays open
I.e. Advertised window = MaxRcvBuffer

If the receiving process falls behind?
Advertised window becomes smaller with every segment that arrives
Until it becomes 0

Flow Control: Buffers are of finite size
MaxSendBuffer and MaxRcvBuffer

On the sender size, TCP adheres to the advertised window from the receiver

LastByteSent - LastByteAcked & AdvertisedWindow

EffectiveWindow = AdvertisedWindow - (LastByteSent - LastByteAcked)

EffectiveWindow should be > 0 before source can send more data

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The contents of this slide-set are based on the following references

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