CS 252: Lab 6

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Contents

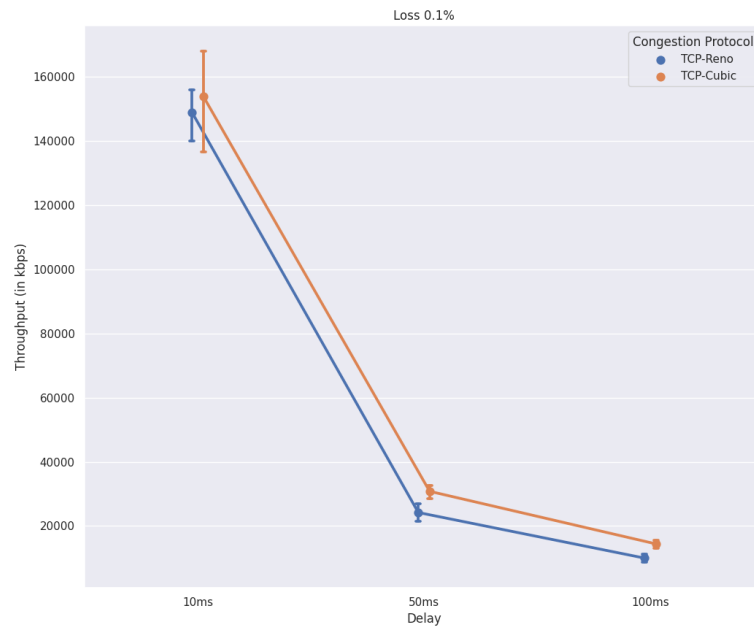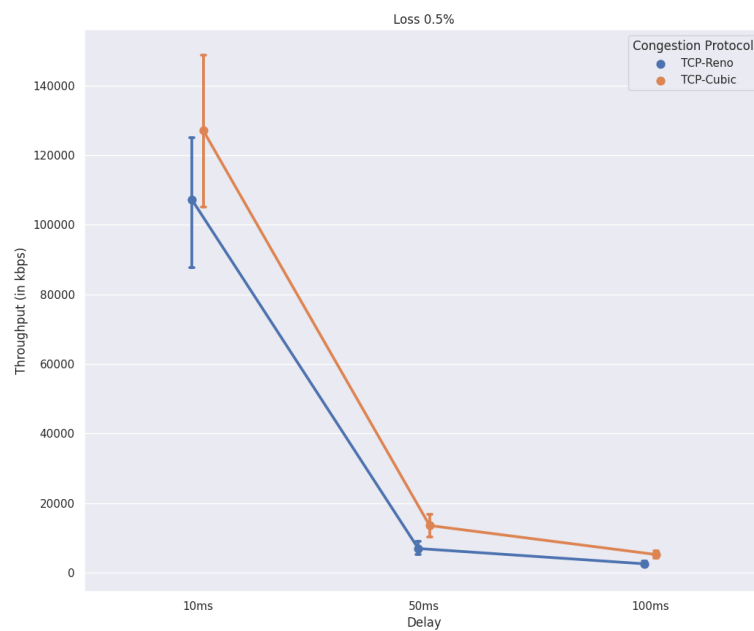# Observed Throughput Plots

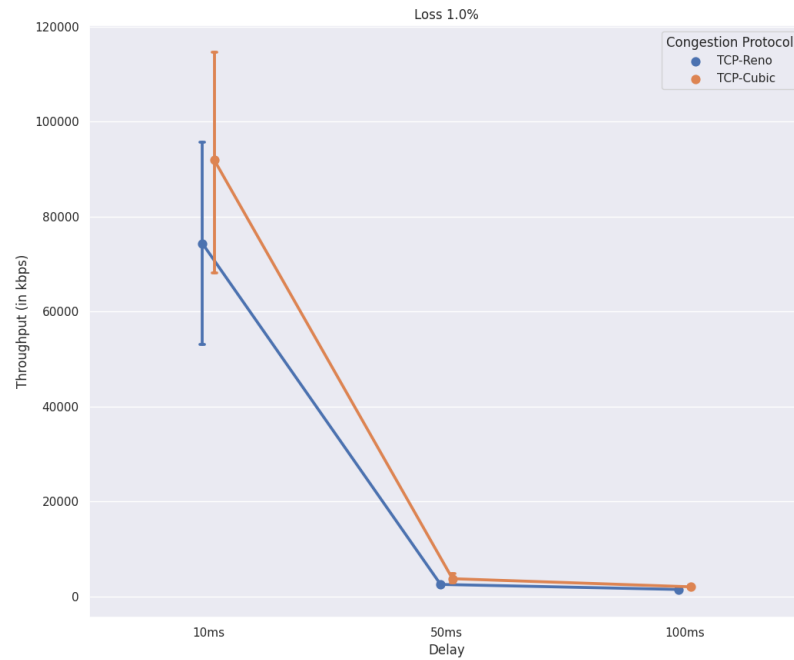Figure 1: Loss: 0.1%
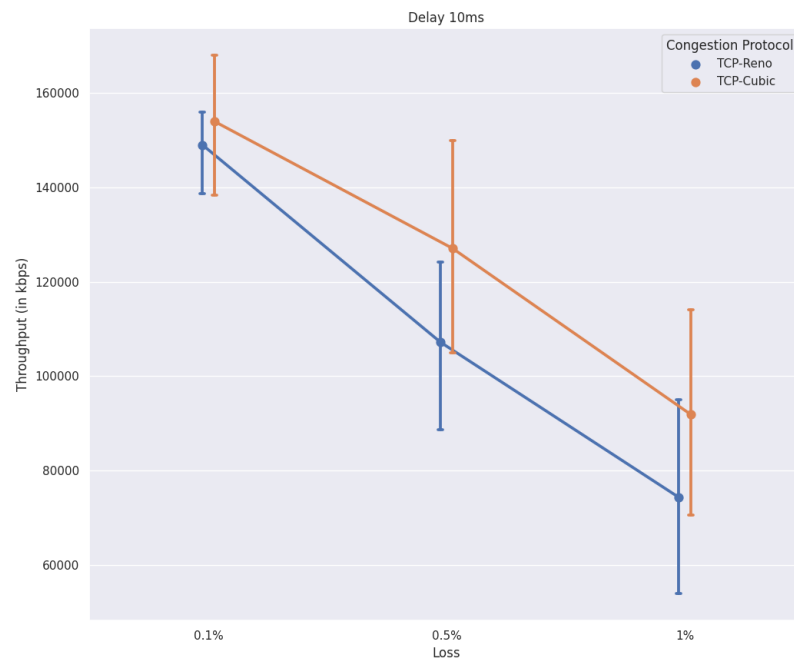

Figure 2: Loss: 0.5%

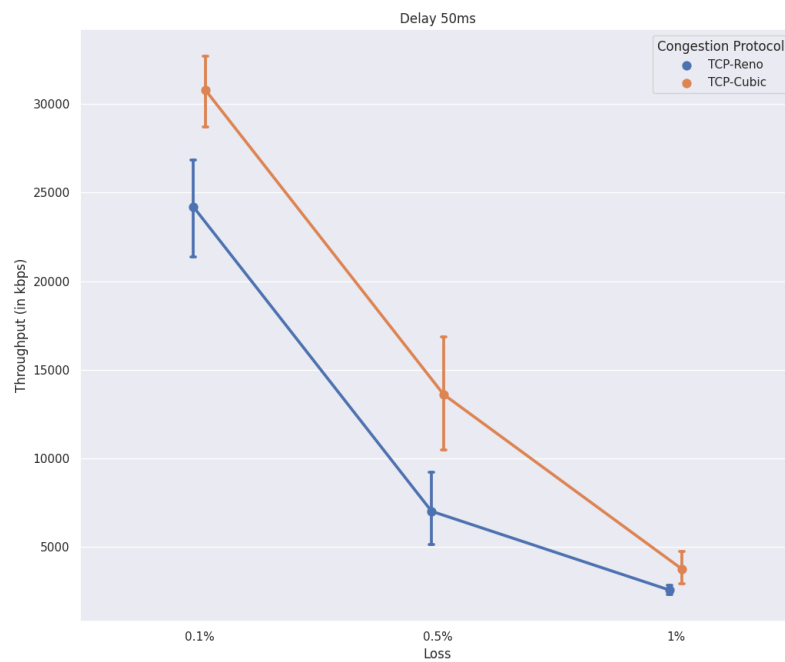Figure 3: Loss: 1.0%

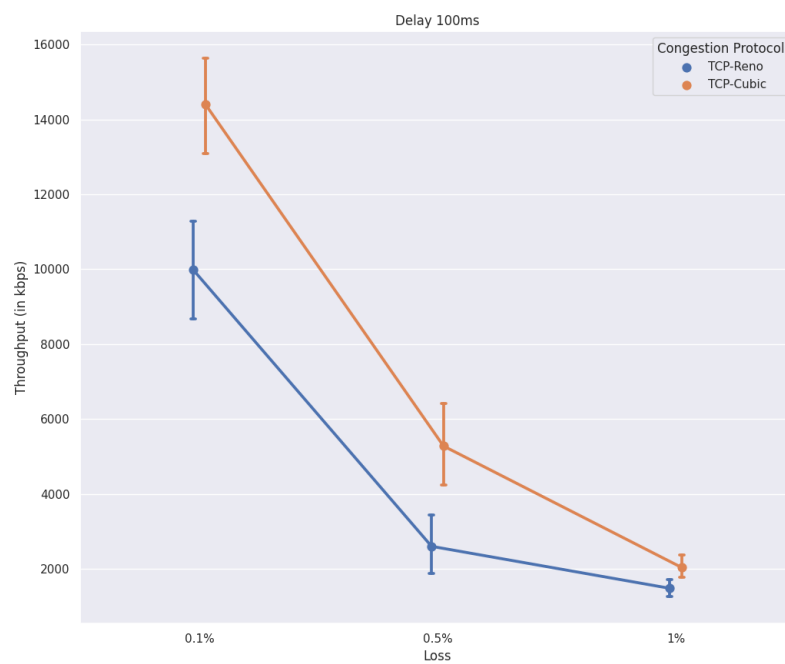Figure 4: Delay: 10ms

Figure 5: Delay: 50ms

Figure 6: Delay: 100ms

Comments on Observed Throughput

- As we can see, TCP Cubic outperforms TCP Reno w.r.t. throughput, irrespective of how much delay or packet loss is.

- Thus, the observed throughput data confirms that TCP Cubic is indeed more aggressive than TCP Reno.

- We observe that with increase in delay, throughput decreases.

- We observe that with increase in proportion of packet loss, throughput decreases.
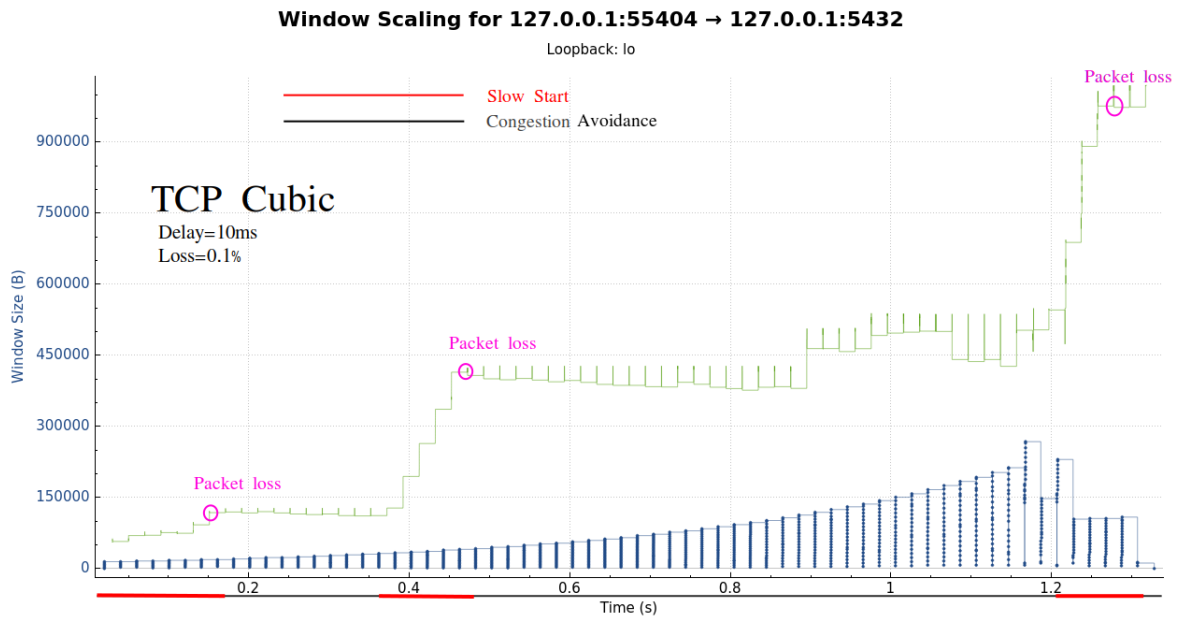
Window Scaling Graphs

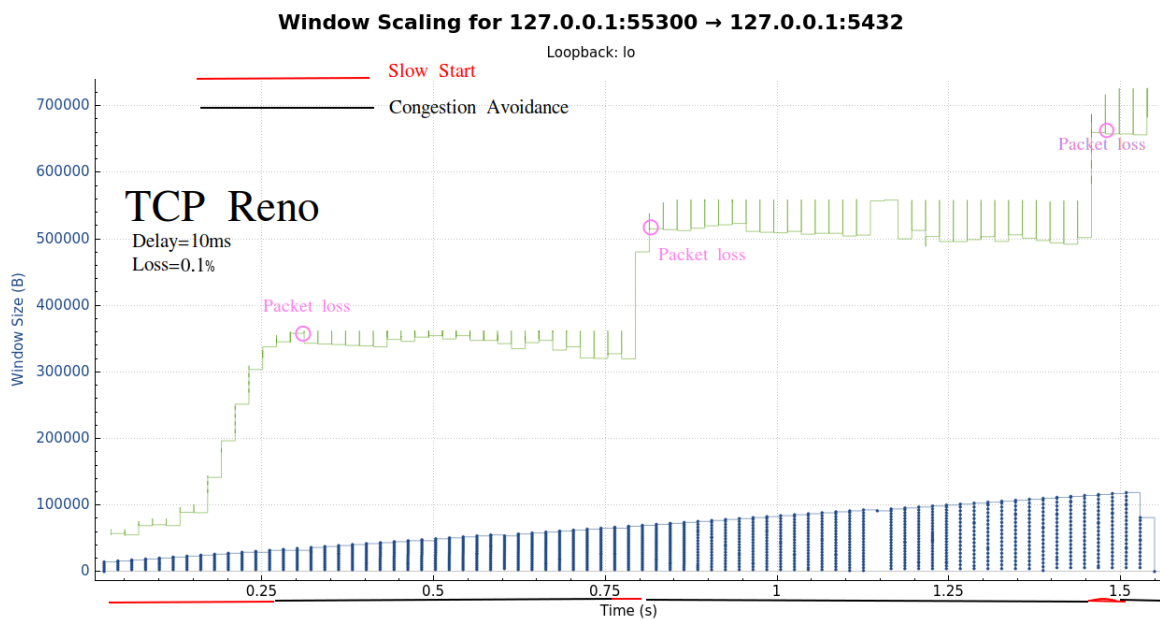Figure 7: Delay: 10ms, Loss: 0.1%, Congestion Protocol: TCP-Cubic

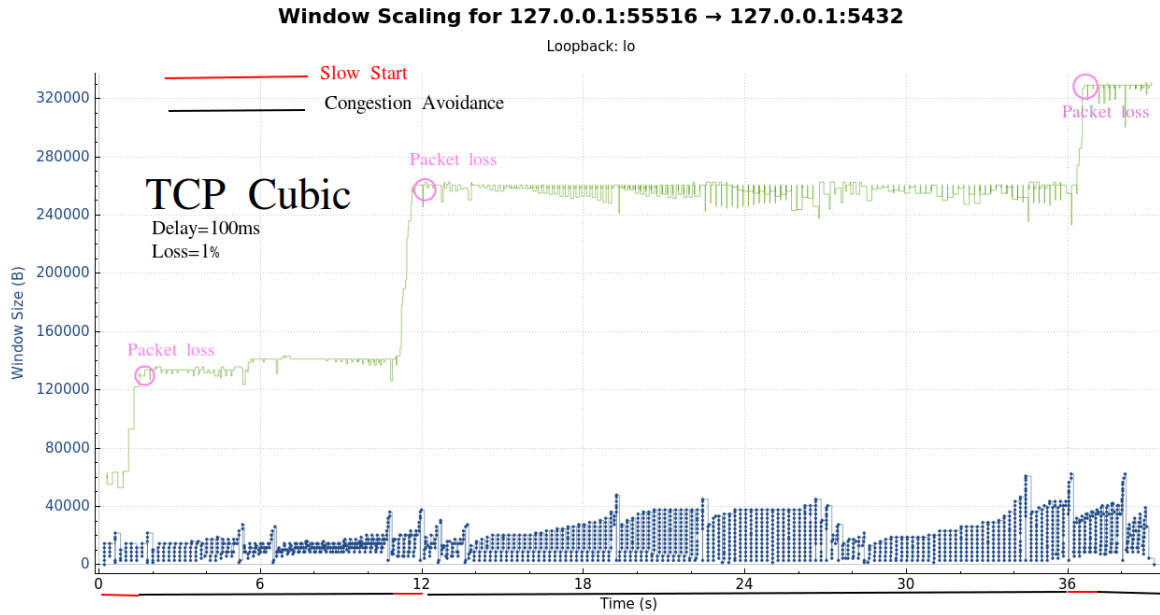Figure 8: Delay: 10ms, Loss: 0.1%, Congestion Protocol: TCP-Reno

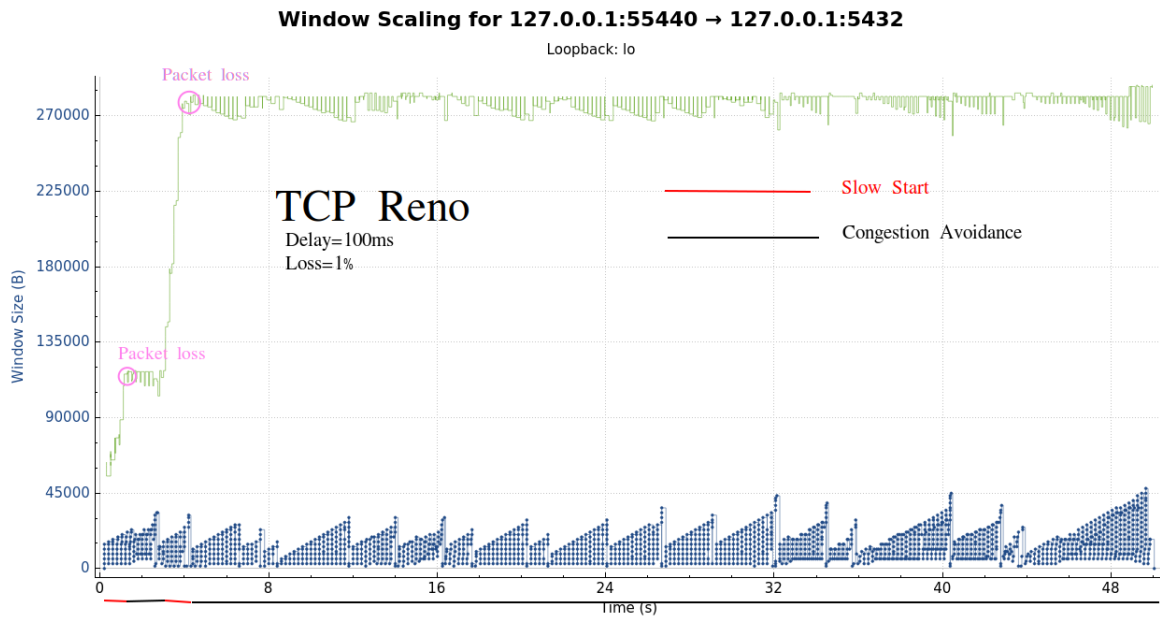Figure 9: Delay: 100ms, Loss: 1%, Congestion Protocol: TCP-Cubic

Figure 10: Delay: 100ms, Loss: 1%, Congestion Protocol: TCP-Reno