Project 5
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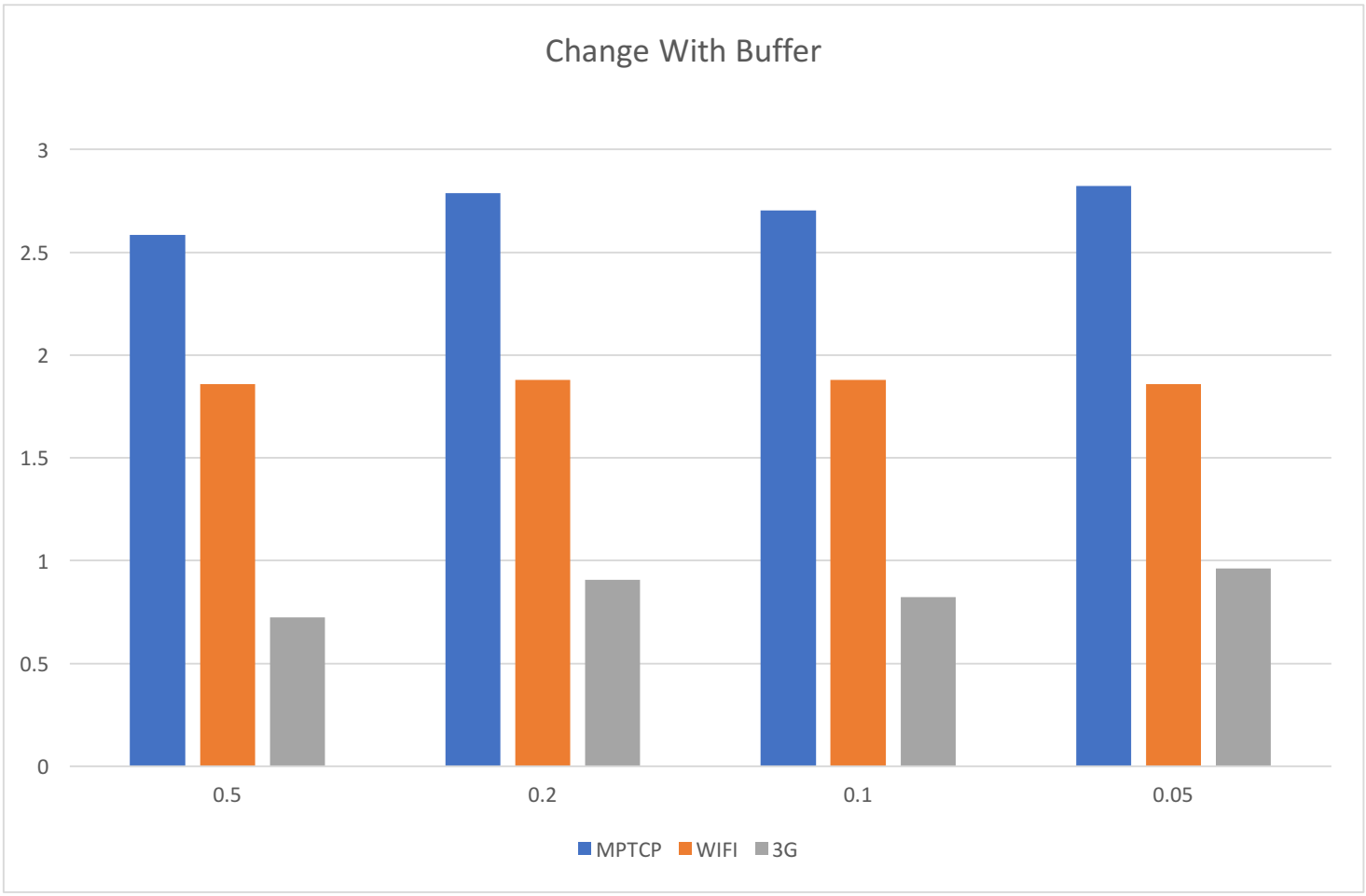
(ACTUAL GRAPH ATTACHED AT THE END)

1. How well did each topology perform for each of the buffer sizes? (You can use a table or paragraph form, but should give specific results for each)

Buffer Size	MPTCP	WIFI	3G
0.5	2.583	1.86	0.723
0.2	2.787	1.88	0.907
0.1	2.703	1.88	0.823
0.05	2.821	1.86	0.961



2. Which topology had the best performance for each buffer size?

   MPTCP had the best performance for each buffer size especially with WIFI . For single path WIFI had better performance for each buffer size.

3. Was there a significant increase in performance for the MPTCP topology vs. the topologies using single path TCP? How did this depend on the buffer size?

   Yes there was significant increase in performance for the MPTCP topology vs. the topologies using single path TCP. Although it seems in the paper and in theory the performance for MPTCP will increase with higher buffer size but it does seem from the results I ran that the performance is a lot difference with buffer size. I ran it multiple times and had the same result.

4. How do your results compare to the original paper?

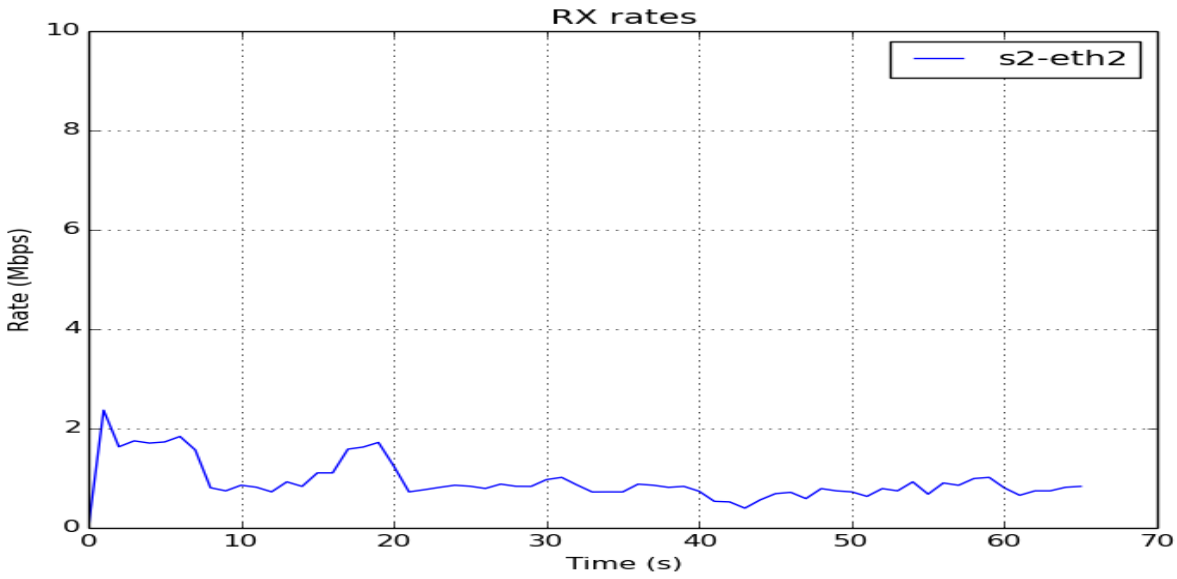
   My results differed from the original paper . In the paper the MPTCP performance increased with higher buffer, but that was not the case with my findings. The performance is not significantly better between 0.05 and 0.5 which was surprising to me.

5. Consider the deployment requirements raised in the paper. Based on your results only, is MPTCP worth implementing and deploying? Why or why not?

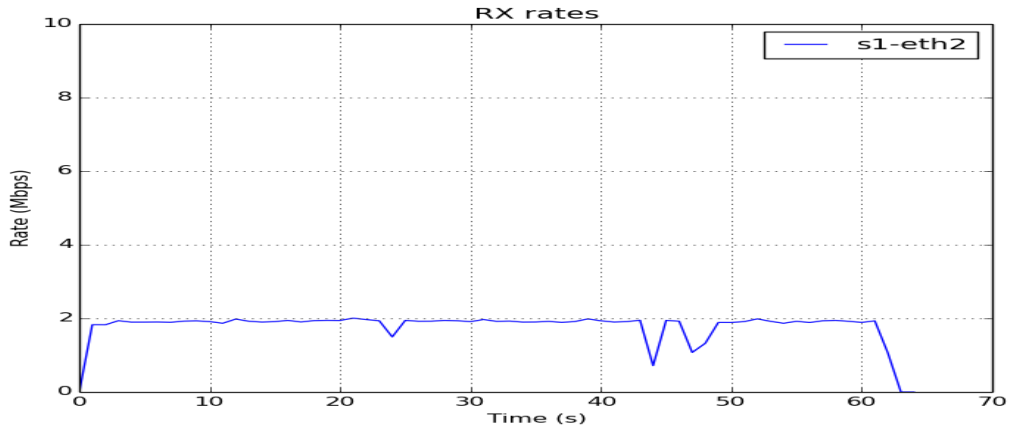
   Although, deployment requirements for MPTCP is difficult and especially designing but I it is well worth implementing and deploying has you can transfer using multiple path rather than one and it is significantly faster than each of the path. There are challenges but they can be overcome.

GRAPHS

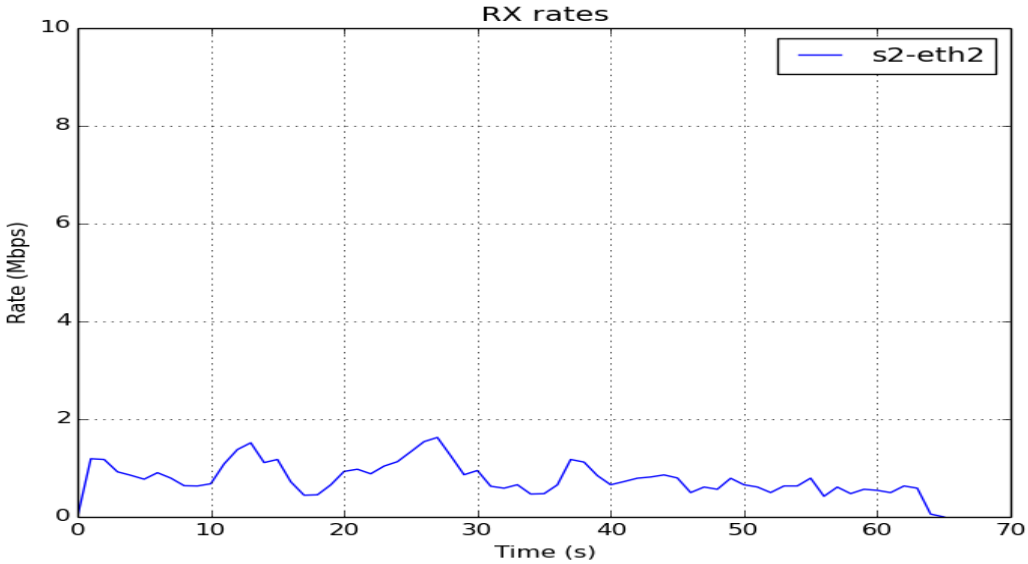
TCP 3G: 0.05



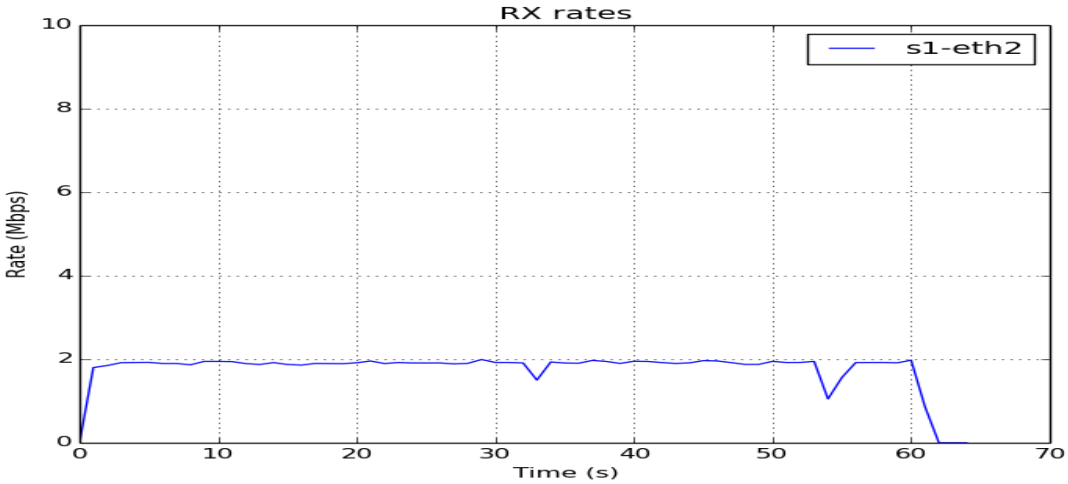
TCP WIFI: 0.05



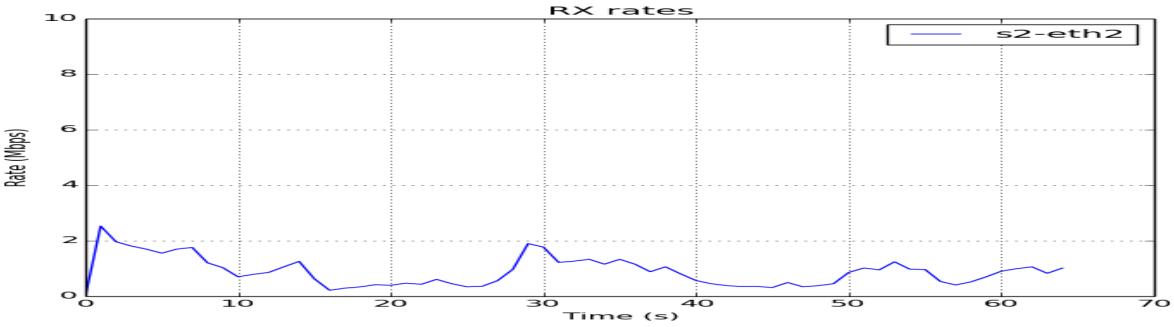
TCP 3G: 0.01



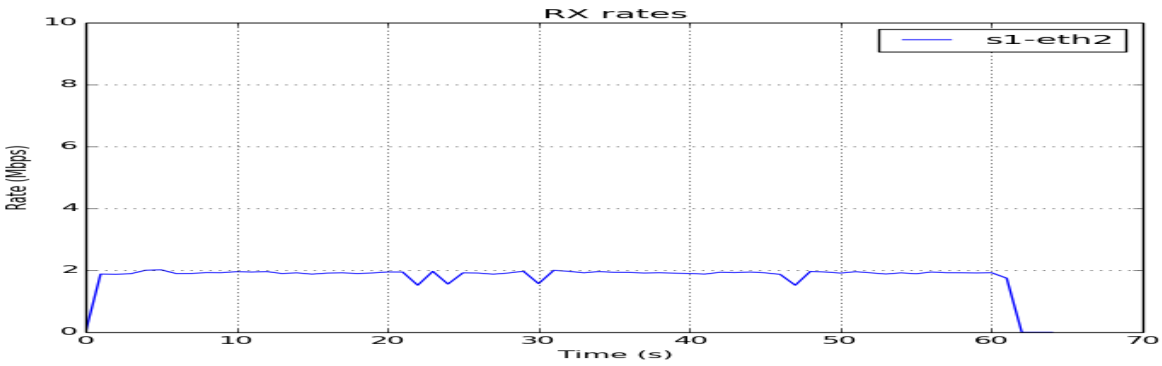
TCP WIFI: 0.01



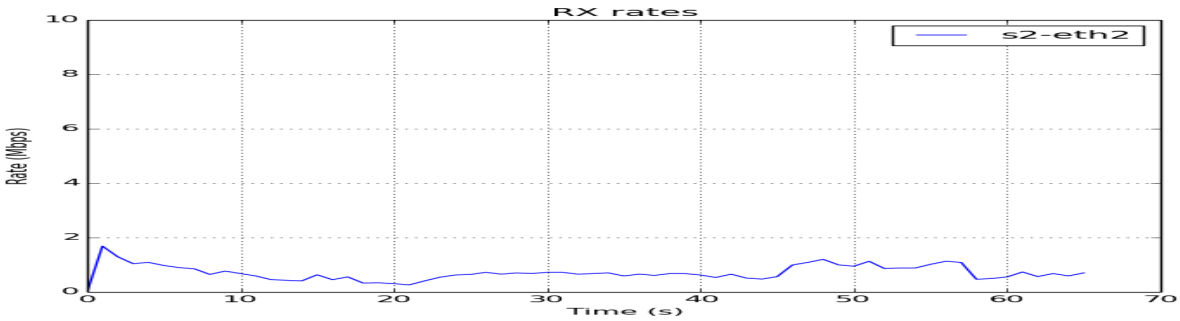
TCP 3G: 0.2



TCP WIFI: 0.2



TCP 3G: 0.5



TCP WIFI: 0.5