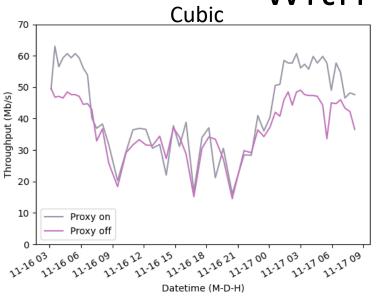
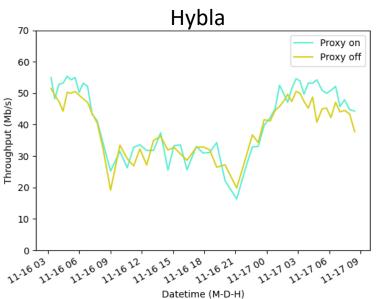
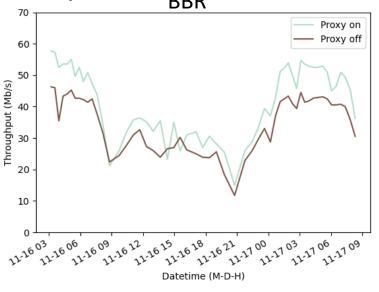
# Methodology

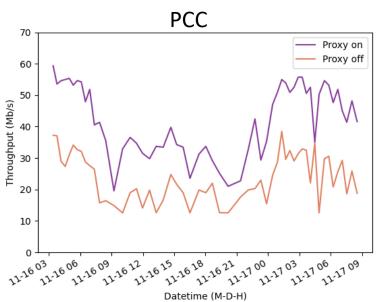
- 4 Machines \* 2 Proxy modes \* 55 rounds
- Last about 30 hours

Comparison of congestion control algorithms with proxy on/off

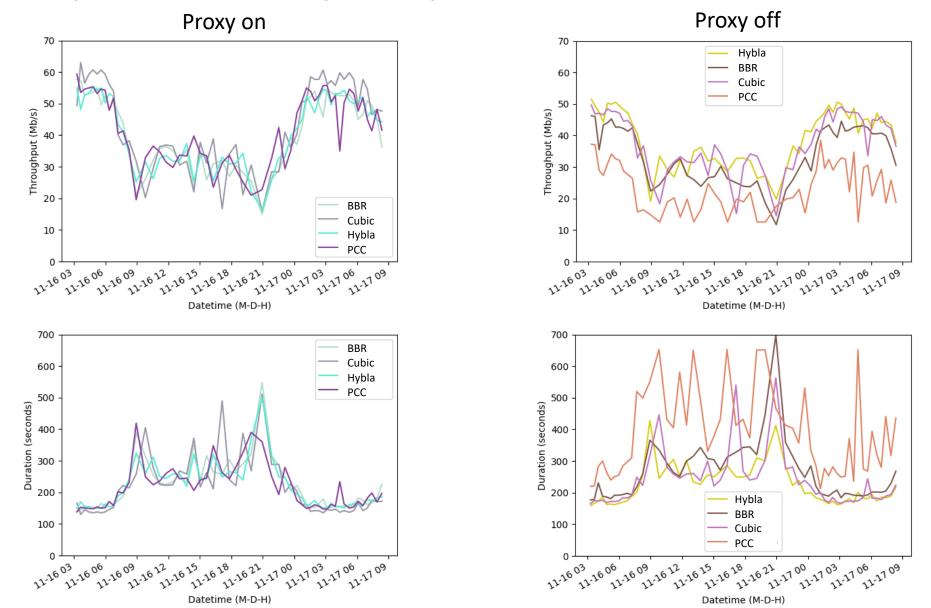




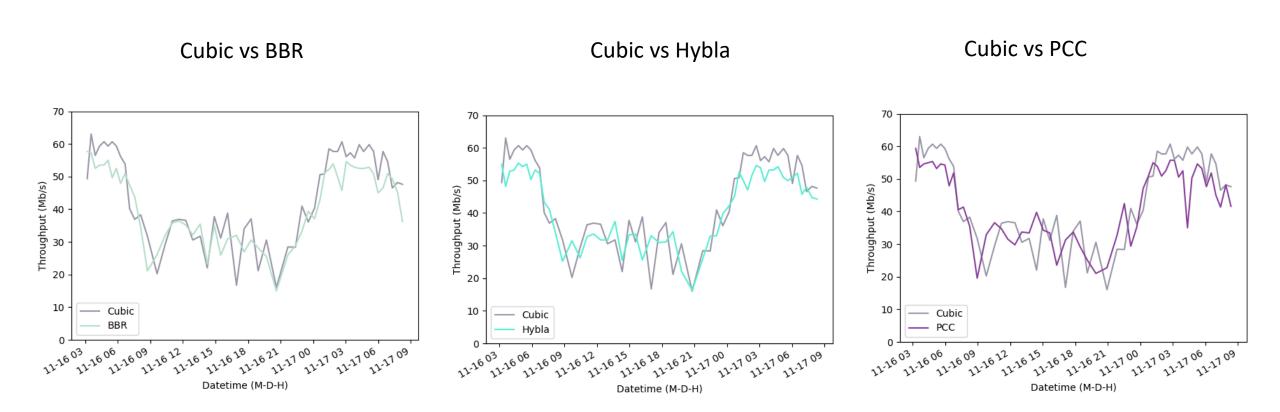




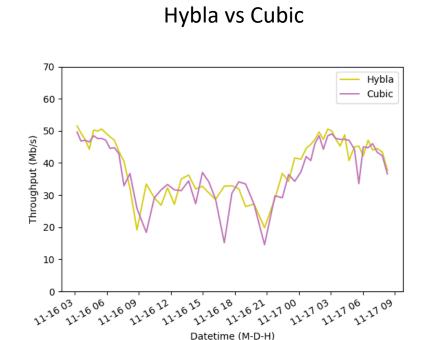
### Comparison of proxy on/off across 4 servers

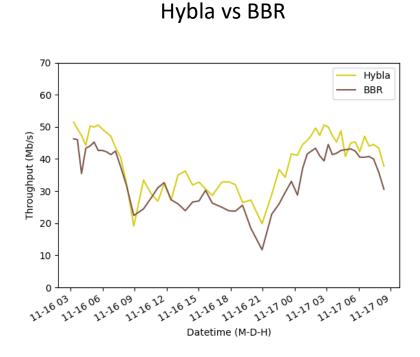


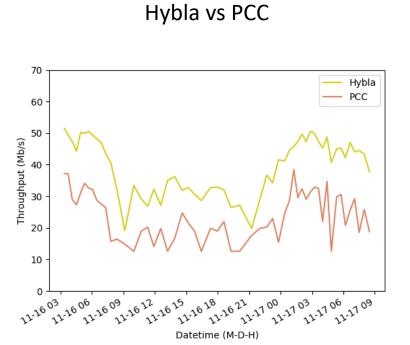
## Comparison of cubic vs other with proxy on



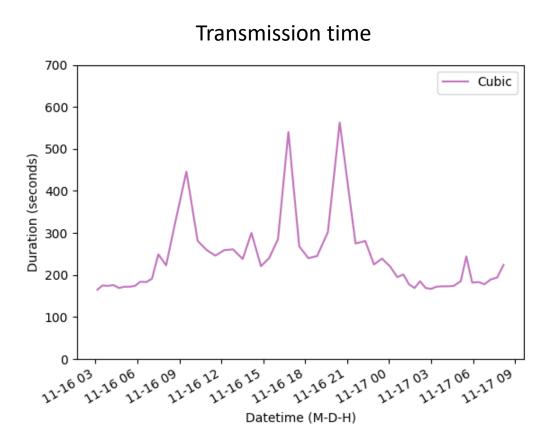
### Comparison of cubic vs other with proxy off

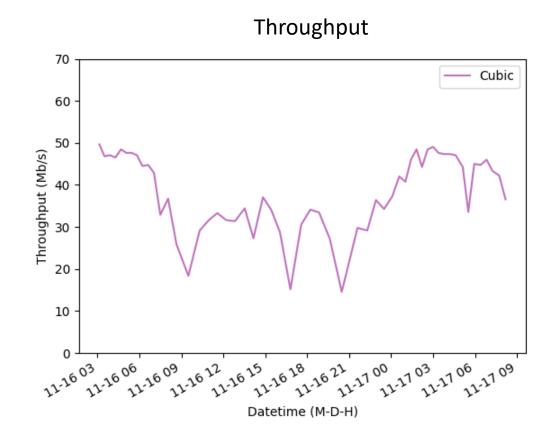






### Busy hour traffic





#### Next Step

- 1. Run more trails with 24 hours time length
- 2. Calculate average differences (table with avg diff & std dev) between proxy on/off
- 3. Analyzing busy/non-busy hours/period
- 4. Statistical significance test (t-test) & effect size(noise)
- 5. BoxPlots based on summary csv file
- 6. Hystart off/on
- 7. Record RTT/Loss
- 8. Three way hand shake (Tcp.init\_rtt)
- 9. Taking the best & worst case
- 10. Verify peak in a single trail
- 11. UDP Ping in script (250ms)
- 12. Cdf distribution
- 13. small objects