Pantheon Report

Generated at 2025-04-17 19:35:39 (UTC).

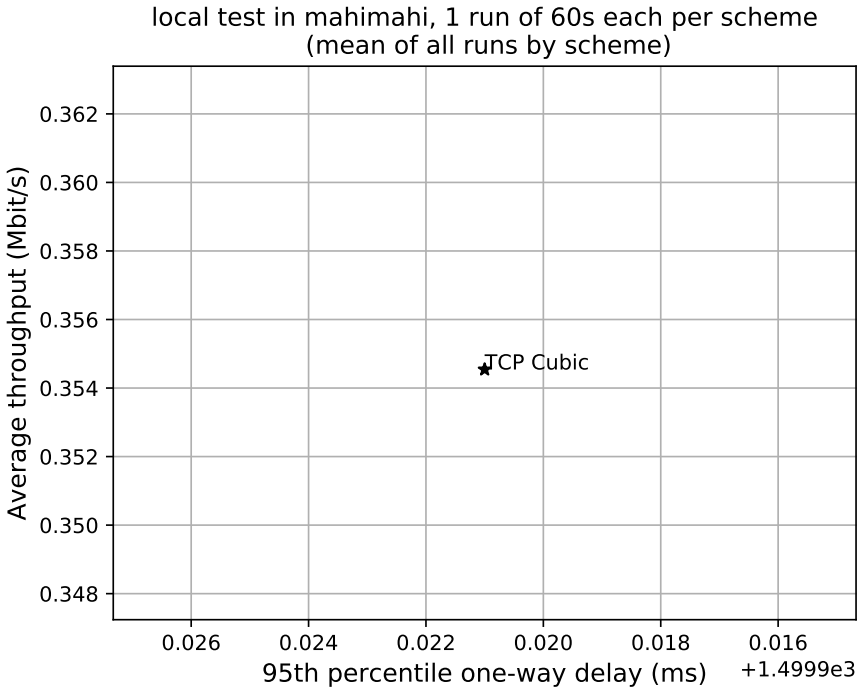
Tested in mahimahi: `mm-delay 10 mm-link 50mbps.trace 50mbps.trace --uplink-queue=droptail --downlink-queue=droptail --uplink-queue-args=packets=500 --downlink-queue-args=packets=500`

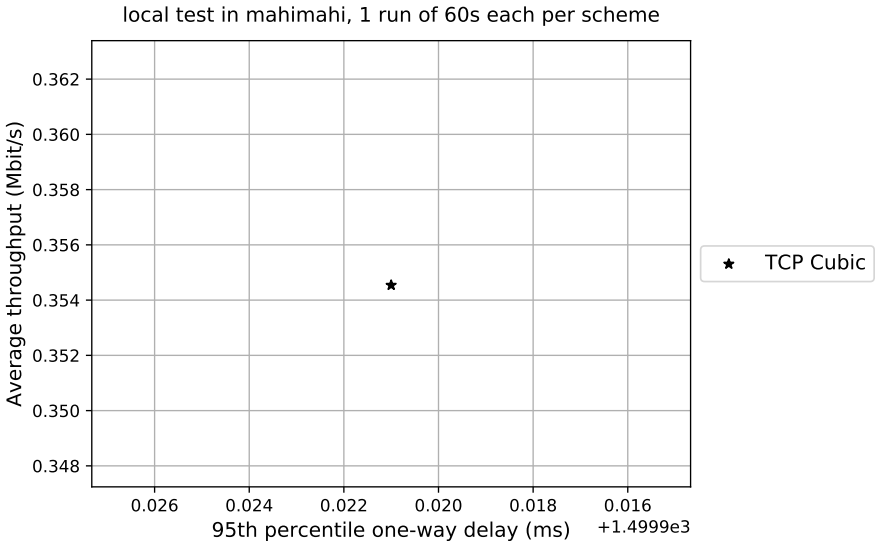
Repeated the test of 1 congestion control schemes once.

Each test lasted for 60 seconds running 1 flow.

```
System info:
Linux 5.15.0-136-generic
net.core.default_qdisc = fq
net.core.rmem_default = 212992
net.core.rmem_max = 212992
net.core.wmem_default = 212992
net.core.wmem_max = 212992
net.ipv4.tcp_rmem = 4096 131072 6291456
net.ipv4.tcp_wmem = 4096 16384 4194304

Git summary:
N/A
```


local test in mahimahi, 1 run of 60s each per scheme
(mean of all runs by scheme)
Average throughput (Mbit/s)
0.362
0.360
0.358
0.356
0.354
0.352
0.350
0.348
TCP Cubic
0.026
0.024
0.022
0.020
0.018
0.016
+1.4999e3
95th percentile one-way delay (ms)


local test in mahimahi, 1 run of 60s each per scheme
Average throughput (Mbit/s)
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0.360
0.358
0.356
0.354
0.352
0.350
0.348
0.026
0.024
0.022
0.020
0.018
0.016
+1.4999e3
95th percentile one-way delay (ms)
TCP Cubic

scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP Cubic	1	0.35	1499.92	9.95

```
Run 1: Statistics of TCP Cubic

Start at: 2025-04-17 19:34:25
End at: 2025-04-17 19:35:26

# Below is generated by plot.py at 2025-04-17 19:35:39
# Datalink statistics
-- Total of 1 flow:
Average capacity: 34.11 Mbit/s
Average throughput: 0.35 Mbit/s (1.0% utilization)
95th percentile per-packet one-way delay: 1499.921 ms
Loss rate: 9.95%
-- Flow 1:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 1499.921 ms
Loss rate: 9.95%
```

Run 1: Report of TCP Cubic — Data Link