Pantheon Report

Generated at 2025-04-16 00:37:34 (UTC).
Tested in mahimahi: `mm-link 12mbps.trace 12mbps.trace`
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
```
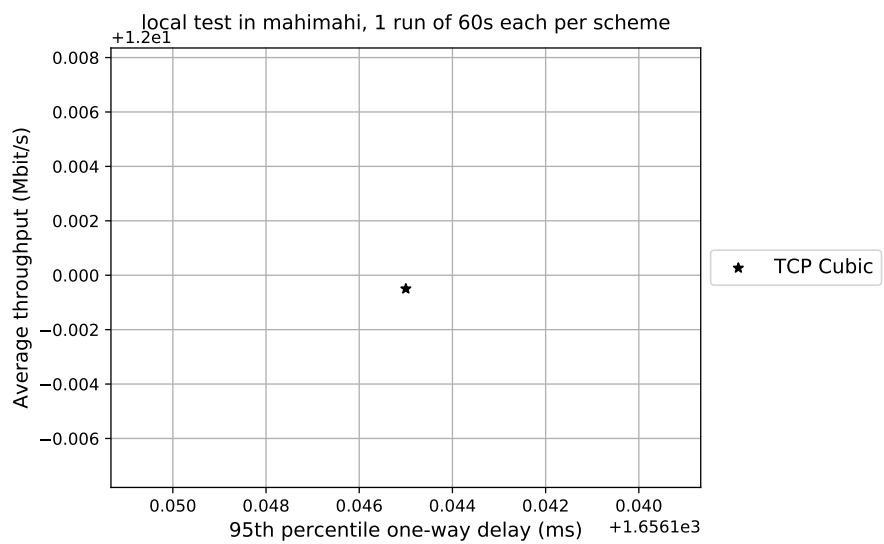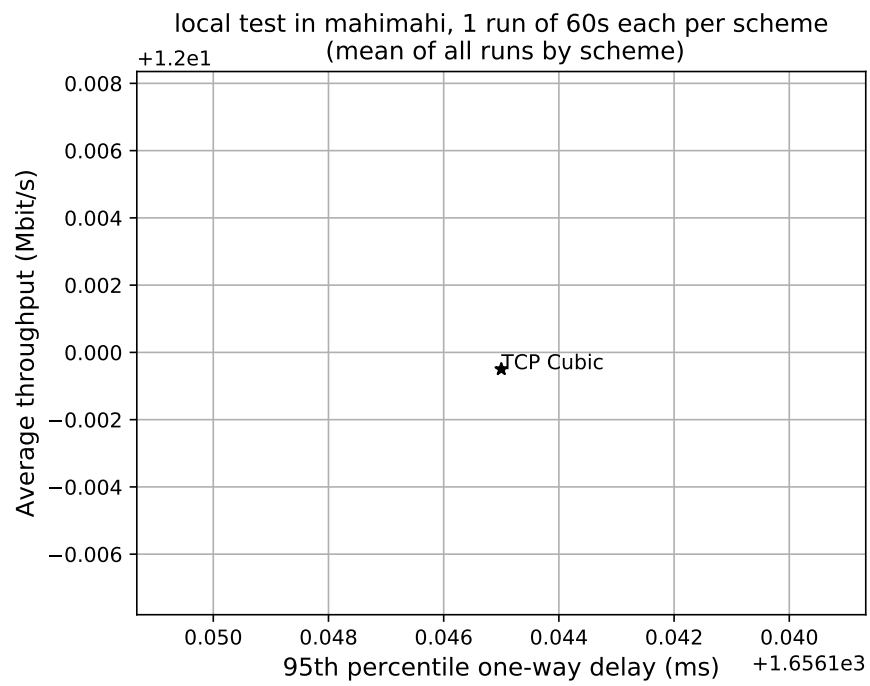
local test in mahimahi, 1 run of 60s each per scheme
(mean of all runs by scheme)

+1.2e1

Average throughput (Mbit/s)

0.008	
0.006	
0.004	
0.002	
0.000	★TCP Cubic
−0.002	
−0.004	
−0.006	

0.050 0.048 0.046 0.044 0.042 0.040

95th percentile one-way delay (ms)   +1.6561e3

---

local test in mahimahi, 1 run of 60s each per scheme

+1.2e1

Average throughput (Mbit/s)

★ TCP Cubic

0.050 0.048 0.046 0.044 0.042 0.040

95th percentile one-way delay (ms)   +1.6561e3

scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP Cubic	1	12.00	1656.14	2.67

```
Run 1: Statistics of TCP Cubic

Start at: 2025-04-16 00:36:12
End at: 2025-04-16 00:37:12

# Below is generated by plot.py at 2025-04-16 00:37:34
# Datalink statistics
-- Total of 1 flow:
Average capacity: 12.00 Mbit/s
Average throughput: 12.00 Mbit/s (100.0% utilization)
95th percentile per-packet one-way delay: 1656.145 ms
Loss rate: 2.67%
-- Flow 1:
Average throughput: 12.00 Mbit/s
95th percentile per-packet one-way delay: 1656.145 ms
Loss rate: 2.67%
```

Run 1: Report of TCP Cubic — Data Link

Average capacity 12.00 Mbit/s (shaded region)

--- Flow 1 ingress (mean 12.33 Mbit/s) —— Flow 1 egress (mean 12.00 Mbit/s)

• Flow 1 (95th percentile 1656.14 ms)

5