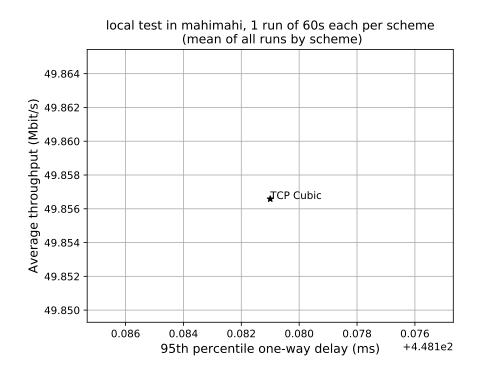
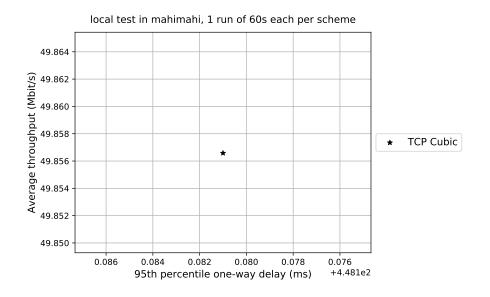
## Pantheon Report

Generated at 2025-04-17 19:12:43 (UTC).

Tested in mahimahi: mm-link 50mbps\_10ms.trace 50mbps\_10ms.trace Repeated the test of 3 congestion control schemes once. Each test lasted for 60 seconds running 1 flow. System info: Linux 5.4.0-150-generic net.core.default\_qdisc = fq\_codel 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: branch: main @ 38ca252a0d9aa22f5e02b15cf822120415fcc6c3 third\_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519 third\_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9 third\_party/genericCC @ d0153f8e594aa89e93b032143cedbdfe58e562f4 third\_party/indigo @ 463d89b09699a57bfdfbae351646df6a60040b90 third\_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf third\_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd third\_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1 M receiver/src/buffer.h M receiver/src/core.cpp M sender/src/buffer.h M sender/src/core.cpp third\_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab third\_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42 third\_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2 M src/ScreamClient M src/ScreamServer third\_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26 M src/examples/cellsim.cc M src/examples/sproutbt2.cc M src/network/sproutconn.cc third\_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494 M src/verus.hpp M tools/plot.py third\_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4 third\_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851





		mean avg tput (Mbit/s)	mean 95th-%ile delay (ms)	mean loss rate $(\%)$
$_{\text{scheme}}$	# runs	flow 1	flow 1	flow 1
TCP BBR	0	N/A	N/A	N/A
Copa	0	N/A	N/A	N/A
TCP Cubic	1	49.86	448.18	0.72
J	'		1	

Run 1: Statistics of TCP BBR

Start at: 2025-04-17 19:04:59 End at: 2025-04-17 19:05:59

## Run 1: Report of TCP BBR — Data Link

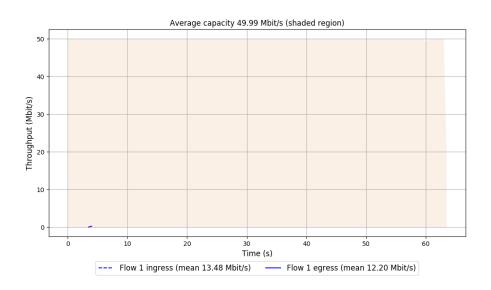
Figure is missing

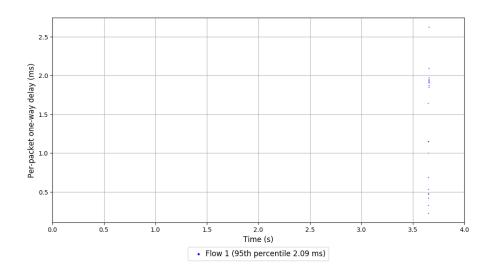
Figure is missing

Run 1: Statistics of Copa

Start at: 2025-04-17 19:07:17 End at: 2025-04-17 19:08:17

Run 1: Report of Copa — Data Link





## Run 1: Statistics of TCP Cubic

Start at: 2025-04-17 19:06:03 End at: 2025-04-17 19:07:03

# Below is generated by plot.py at 2025-04-17 19:12:41

# Datalink statistics
-- Total of 1 flow:

Average capacity: 49.99 Mbit/s

Average throughput: 49.86 Mbit/s (99.7% utilization) 95th percentile per-packet one-way delay: 448.181 ms

Loss rate: 0.72%

-- Flow 1:

Average throughput: 49.86 Mbit/s

95th percentile per-packet one-way delay: 448.181 ms

Loss rate: 0.72%

Run 1: Report of TCP Cubic — Data Link

