

Pantheon Report

Generated at 2021-07-26 03:52:36 (UTC).

Tested in mahimahi: mm-link 12mbps.trace 12mbps.trace

Repeated the test of 2 congestion control schemes once.

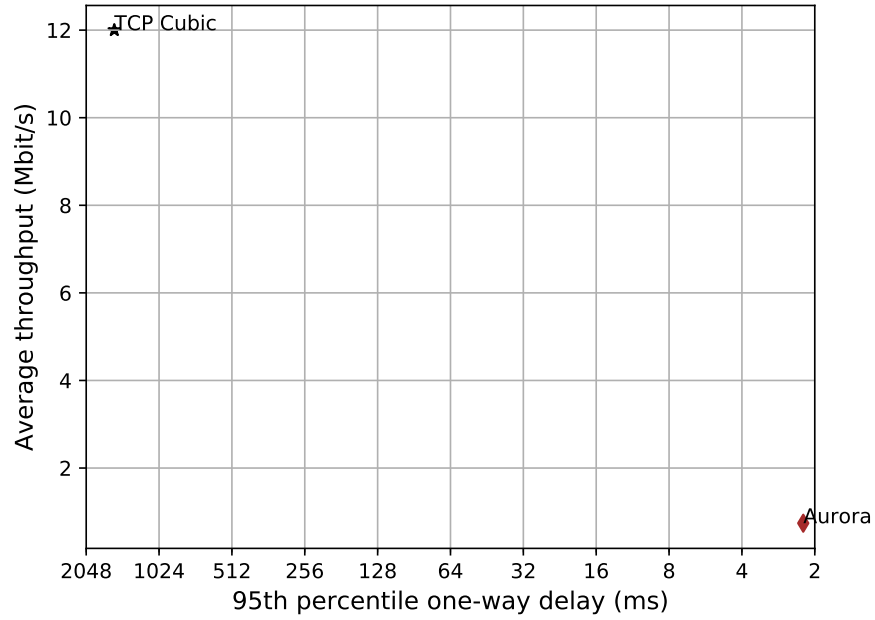
Each test lasted for 30 seconds running 1 flow.

System info:

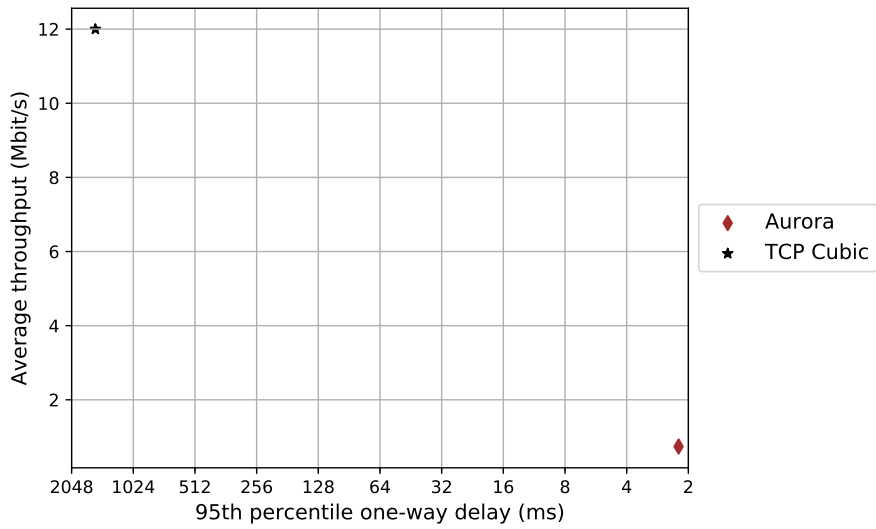
```
Linux 4.15.0-118-generic
net.core.default_qdisc = fq
net.core.rmem_default = 212992
net.core.rmem_max = 212992
net.core.wmem_default = 212992
net.core.wmem_max = 212992
net.ipv4.tcp_rmem = 4096 131072 6291456
net.ipv4.tcp_wmem = 4096 16384 4194304
```

Git summary:

local test in mahimahi, 1 run of 30s each per scheme
(mean of all runs by scheme)



local test in mahimahi, 1 run of 30s each per scheme



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	1567.50	4.80
Aurora	1	0.74	2.23	0.00

Run 1: Statistics of TCP Cubic

Start at: 2021-07-26 03:48:55

End at: 2021-07-26 03:49:25

Below is generated by plot.py at 2021-07-26 03:52:34

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: 1567.503 ms

Loss rate: 4.80%

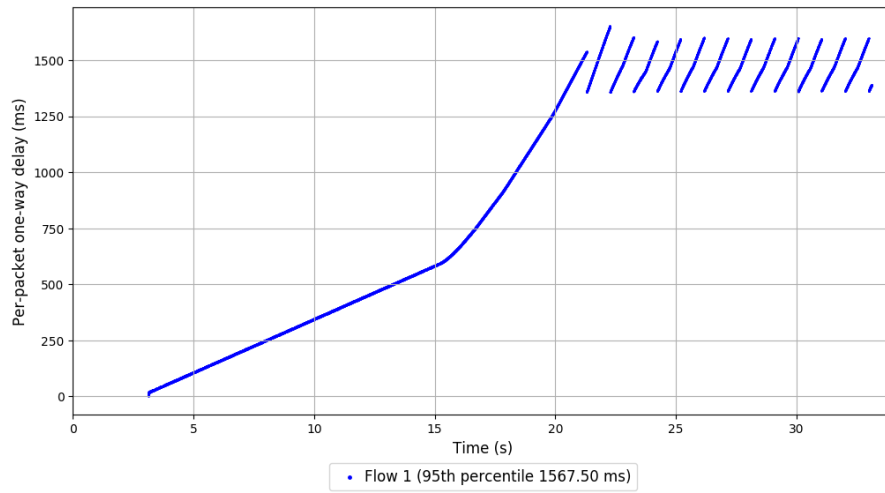
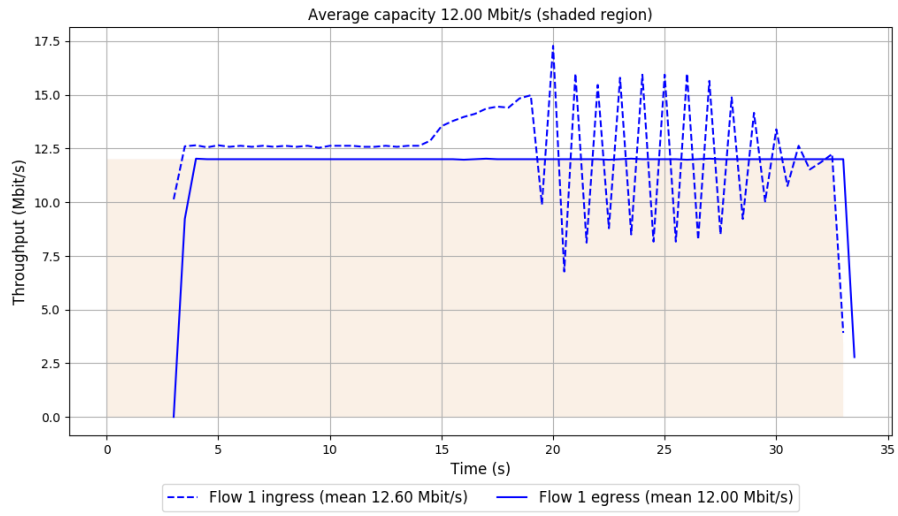
-- Flow 1:

Average throughput: 12.00 Mbit/s

95th percentile per-packet one-way delay: 1567.503 ms

Loss rate: 4.80%

Run 1: Report of TCP Cubic — Data Link



Run 1: Statistics of Aurora

Start at: 2021-07-26 03:49:29

End at: 2021-07-26 03:49:59

Below is generated by plot.py at 2021-07-26 03:52:34

Datalink statistics

-- Total of 1 flow:

Average capacity: 12.00 Mbit/s

Average throughput: 0.74 Mbit/s (6.2% utilization)

95th percentile per-packet one-way delay: 2.232 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.74 Mbit/s

95th percentile per-packet one-way delay: 2.232 ms

Loss rate: 0.00%

Run 1: Report of Aurora — Data Link

