

Pantheon Report

Generated at 2019-12-11 17:24:47 (UTC).

Data path: Brazil on **p4p1** (*remote*) → AWS Brazil 1 on **ens5** (*local*).

Repeated the test of 24 congestion control schemes 5 times.

Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

NTP offsets were measured against **gps.ntp.br** and have been applied to correct the timestamps in logs.

System info:

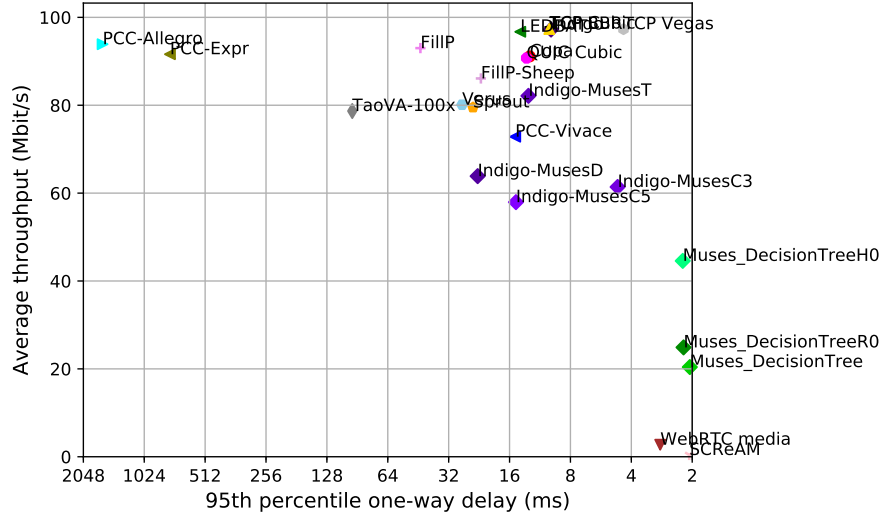
```
Linux 4.15.0-1054-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

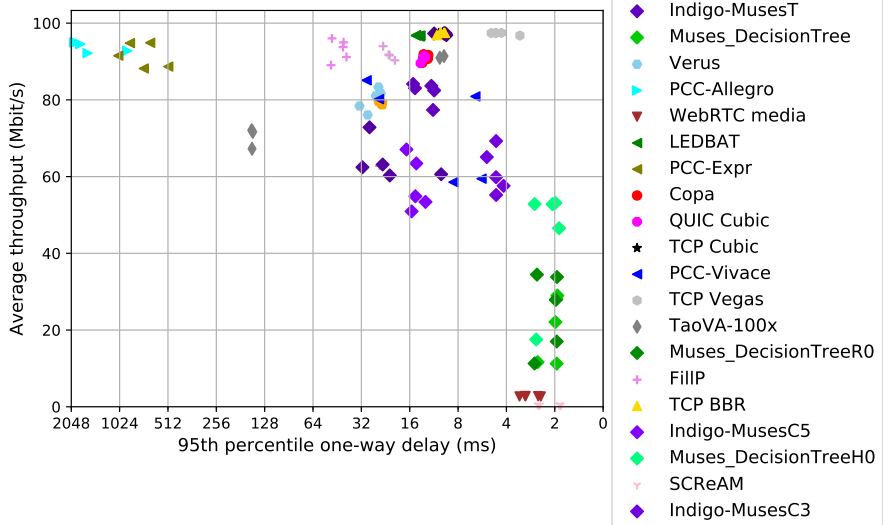
```
branch: muses @ de42328552b3776a75a932a94dfafd722537b0ec
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/muses_dtree @ 387225f7b5f61ddbe92d708a8869ffbb84eb3200
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-quick @ 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
```

test from Brazil to AWS Brazil 1, 5 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



test from Brazil to AWS Brazil 1, 5 runs of 30s each per scheme
3 flows with 10s interval between flows



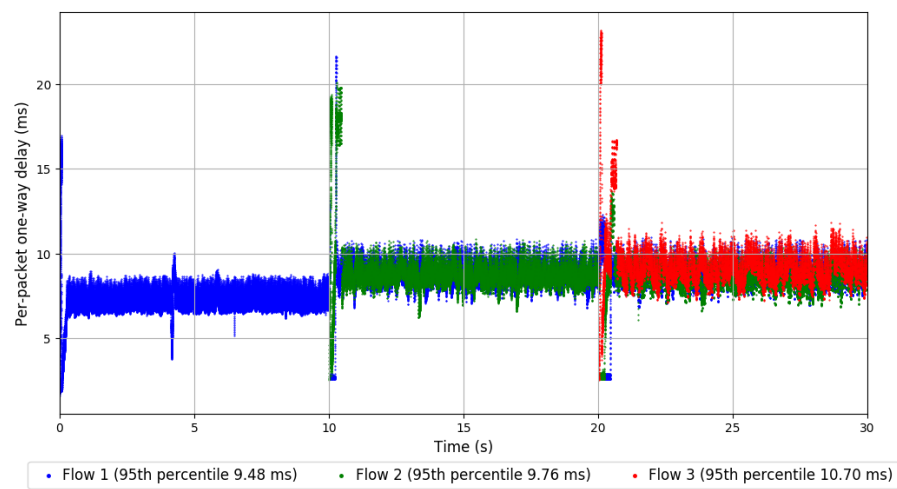
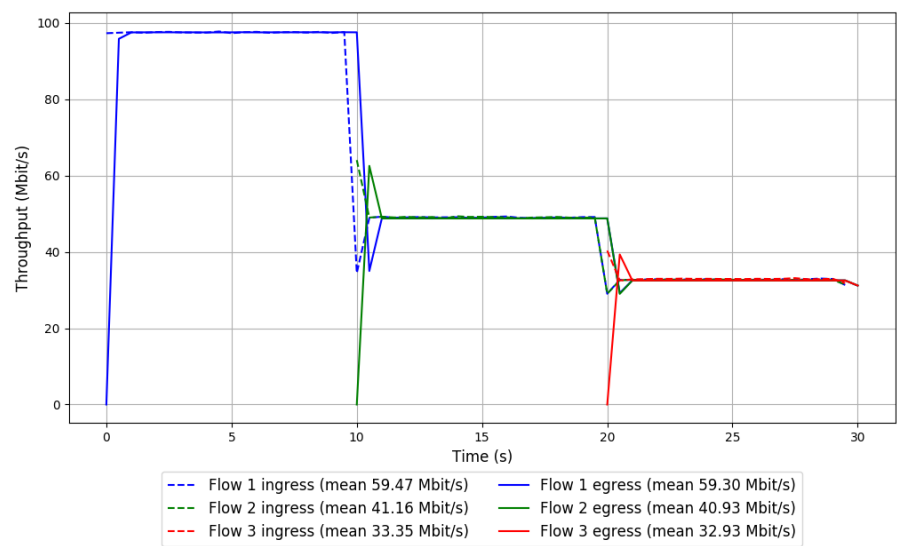
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	59.23	40.82	32.97	9.43	10.06	13.03	0.18	0.29	1.23
Copa	5	54.25	39.58	31.60	12.39	12.43	14.20	0.05	0.08	0.13
TCP Cubic	5	59.60	40.64	32.49	10.13	10.07	10.28	0.08	0.15	0.24
FillP	5	54.59	41.85	31.80	28.52	40.82	53.72	0.08	1.24	2.68
FillP-Sheep	5	51.93	30.25	42.50	18.73	33.51	30.81	0.01	0.01	0.15
Indigo	5	59.62	40.64	32.32	9.32	10.29	8.21	0.03	0.35	0.11
Indigo-MusesC3	5	41.73	24.04	18.01	4.39	4.83	5.48	0.00	0.03	0.16
Indigo-MusesC5	5	32.21	27.37	32.62	13.06	13.36	18.14	0.05	0.07	0.17
Indigo-MusesD	5	36.16	27.26	41.77	12.80	11.28	33.53	0.05	0.07	0.98
Indigo-MusesT	5	54.38	36.45	20.06	11.24	15.24	12.05	0.03	0.06	0.16
LEDBAT	5	59.00	40.44	32.46	13.87	14.42	13.83	0.12	0.22	0.36
Muses_DecisionTree	5	14.06	6.33	6.81	2.03	2.09	2.24	0.00	0.01	0.01
Muses_DecisionTreeH0	5	32.66	13.64	9.11	2.22	2.21	2.43	0.00	0.01	0.04
Muses_DecisionTreeR0	5	18.16	6.52	7.56	2.17	2.25	2.26	0.00	0.01	0.02
PCC-Allegro	5	64.93	32.36	22.63	1745.01	412.96	6.91	10.74	4.14	0.07
PCC-Expr	5	58.42	36.43	27.14	823.91	382.25	191.08	21.44	33.05	22.93
QUIC Cubic	5	53.78	40.13	31.03	13.12	13.18	13.37	0.16	0.30	0.49
SCReAM	5	0.19	0.22	0.22	2.06	2.07	2.07	0.00	0.00	0.00
Sprout	5	42.79	39.22	32.17	23.07	24.02	25.73	0.10	0.10	0.36
TaoVA-100x	5	51.27	32.31	22.73	13.46	96.16	110.58	0.01	0.05	0.24
TCP Vegas	5	53.63	46.35	38.54	3.87	3.98	4.74	0.01	0.02	0.04
Verus	5	46.15	36.20	29.81	24.44	26.55	105.40	0.06	0.05	0.07
PCC-Vivace	5	41.93	32.00	29.16	6.02	7.85	167.32	0.02	0.03	3.14
WebRTC media	5	1.52	0.84	0.40	2.80	2.89	3.03	0.04	0.00	0.27

Run 1: Statistics of TCP BBR

Start at: 2019-12-11 15:15:33
End at: 2019-12-11 15:16:03
Local clock offset: -6.903 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2019-12-11 17:10:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.50 Mbit/s
95th percentile per-packet one-way delay: 9.794 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 59.30 Mbit/s
95th percentile per-packet one-way delay: 9.484 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 40.93 Mbit/s
95th percentile per-packet one-way delay: 9.761 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 32.93 Mbit/s
95th percentile per-packet one-way delay: 10.699 ms
Loss rate: 1.30%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-12-11 15:42:59

End at: 2019-12-11 15:43:29

Local clock offset: -5.375 ms

Remote clock offset: 0.497 ms

Below is generated by plot.py at 2019-12-11 17:10:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 10.251 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 59.31 Mbit/s

95th percentile per-packet one-way delay: 8.650 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 40.88 Mbit/s

95th percentile per-packet one-way delay: 10.325 ms

Loss rate: 0.23%

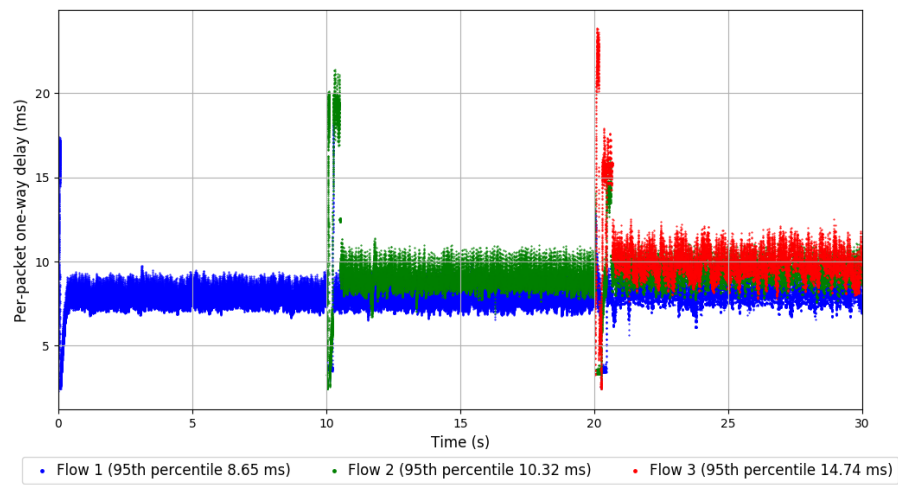
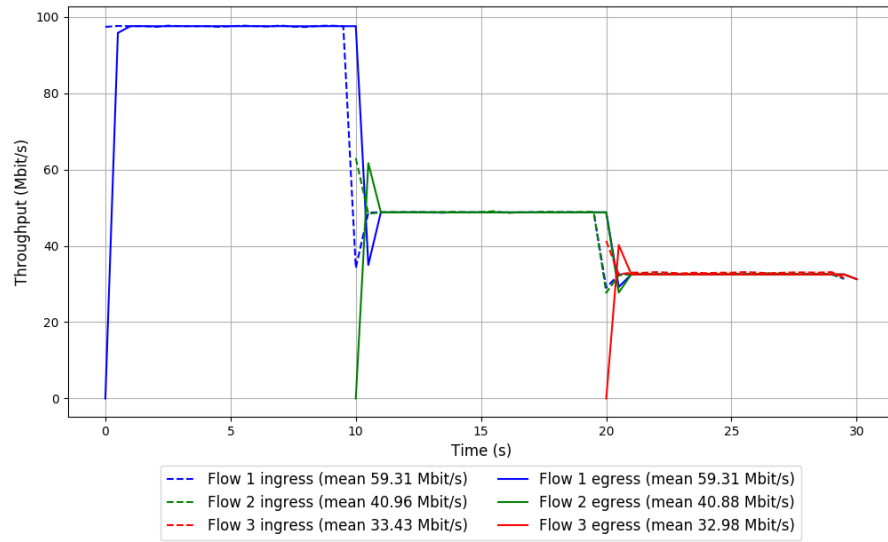
-- Flow 3:

Average throughput: 32.98 Mbit/s

95th percentile per-packet one-way delay: 14.738 ms

Loss rate: 1.42%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-12-11 16:10:31

End at: 2019-12-11 16:11:01

Local clock offset: -5.543 ms

Remote clock offset: 0.804 ms

Below is generated by plot.py at 2019-12-11 17:10:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.88 Mbit/s

95th percentile per-packet one-way delay: 10.855 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 58.94 Mbit/s

95th percentile per-packet one-way delay: 10.932 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 40.53 Mbit/s

95th percentile per-packet one-way delay: 10.557 ms

Loss rate: 0.44%

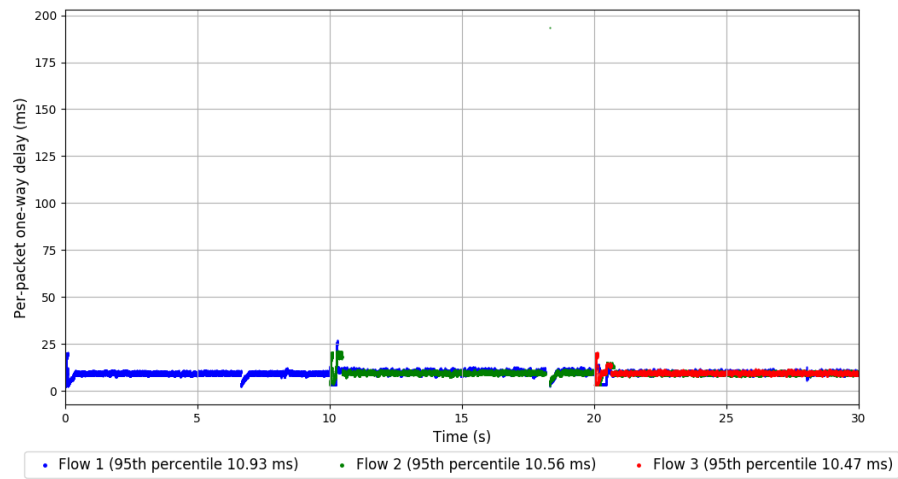
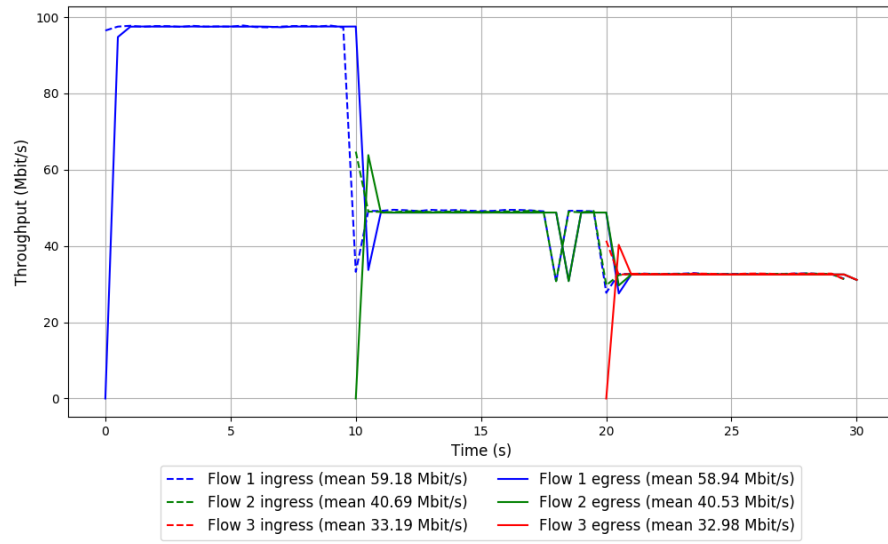
-- Flow 3:

Average throughput: 32.98 Mbit/s

95th percentile per-packet one-way delay: 10.475 ms

Loss rate: 0.66%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-12-11 16:38:00

End at: 2019-12-11 16:38:30

Local clock offset: -6.246 ms

Remote clock offset: 0.689 ms

Below is generated by plot.py at 2019-12-11 17:10:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.49 Mbit/s

95th percentile per-packet one-way delay: 10.324 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 59.29 Mbit/s

95th percentile per-packet one-way delay: 9.935 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 40.92 Mbit/s

95th percentile per-packet one-way delay: 9.900 ms

Loss rate: 0.07%

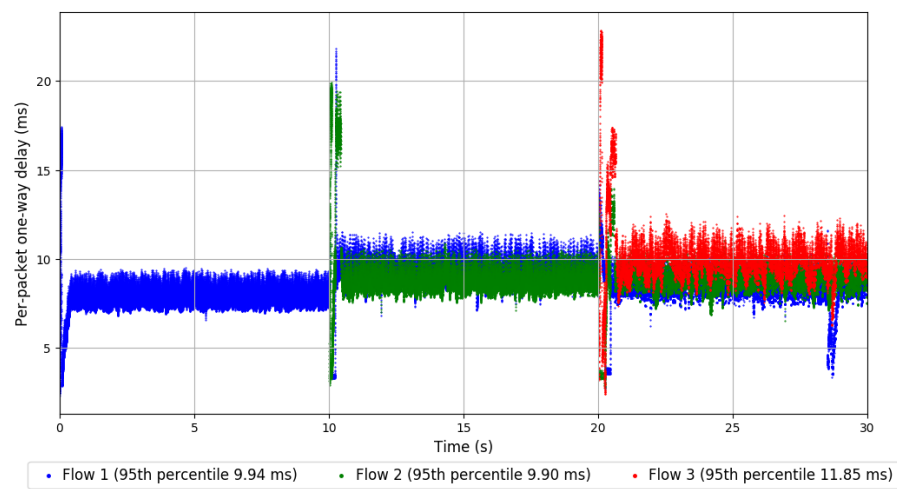
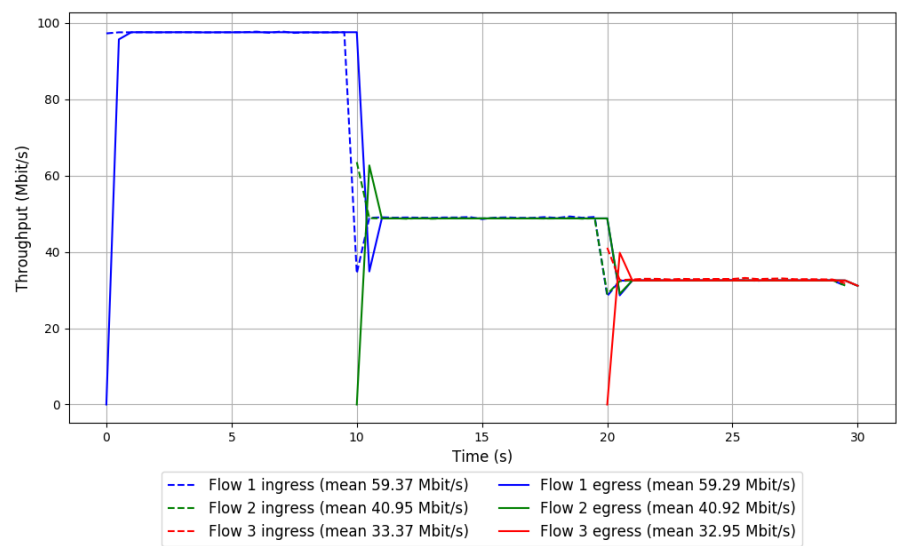
-- Flow 3:

Average throughput: 32.95 Mbit/s

95th percentile per-packet one-way delay: 11.851 ms

Loss rate: 1.30%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-12-11 17:05:36

End at: 2019-12-11 17:06:06

Local clock offset: -6.307 ms

Remote clock offset: 0.635 ms

Below is generated by plot.py at 2019-12-11 17:10:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 9.672 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 59.30 Mbit/s

95th percentile per-packet one-way delay: 8.172 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 40.86 Mbit/s

95th percentile per-packet one-way delay: 9.766 ms

Loss rate: 0.15%

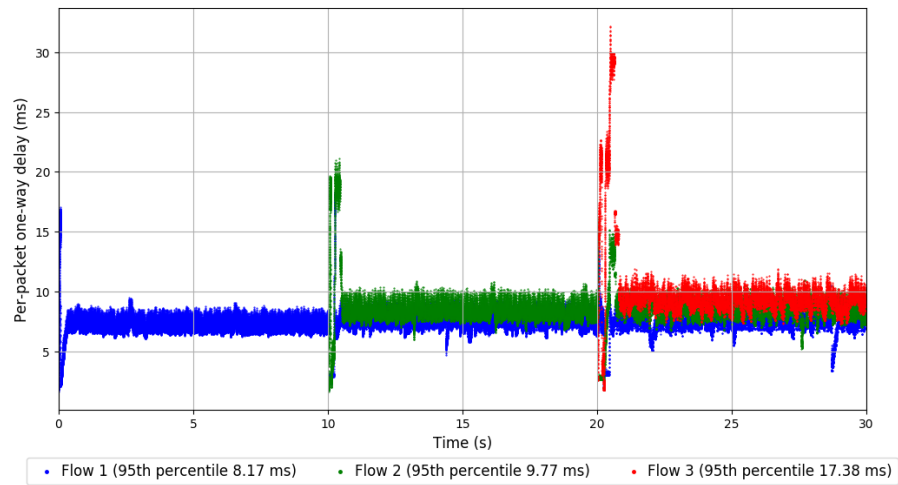
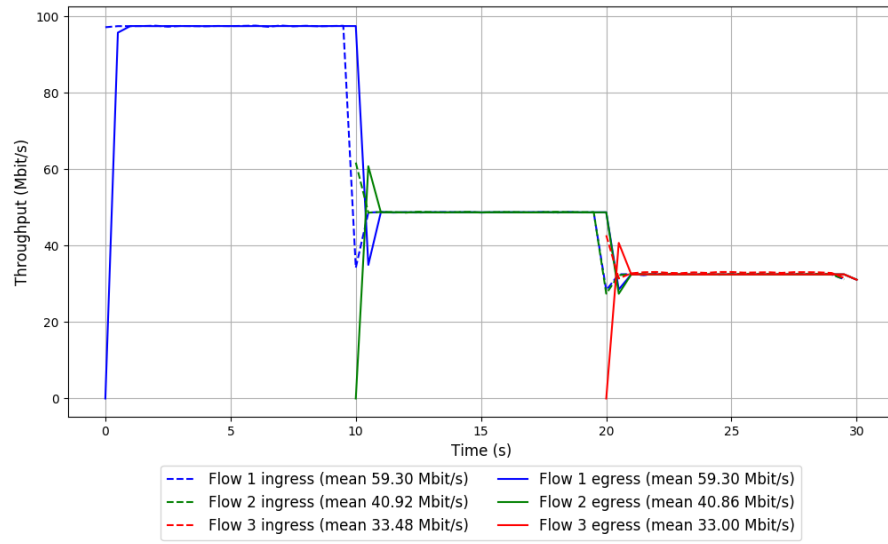
-- Flow 3:

Average throughput: 33.00 Mbit/s

95th percentile per-packet one-way delay: 17.375 ms

Loss rate: 1.48%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2019-12-11 15:14:20

End at: 2019-12-11 15:14:50

Local clock offset: -7.057 ms

Remote clock offset: 0.15 ms

Below is generated by plot.py at 2019-12-11 17:11:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.71 Mbit/s

95th percentile per-packet one-way delay: 12.342 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 53.56 Mbit/s

95th percentile per-packet one-way delay: 13.118 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 39.83 Mbit/s

95th percentile per-packet one-way delay: 11.529 ms

Loss rate: 0.10%

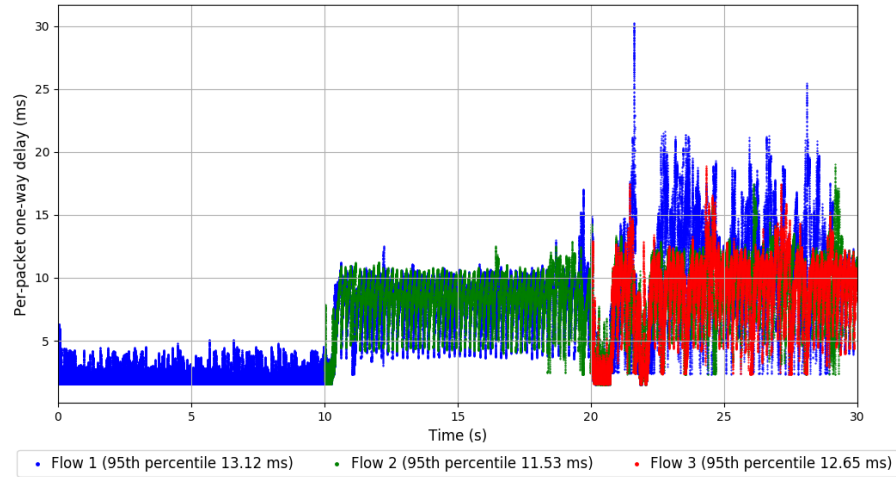
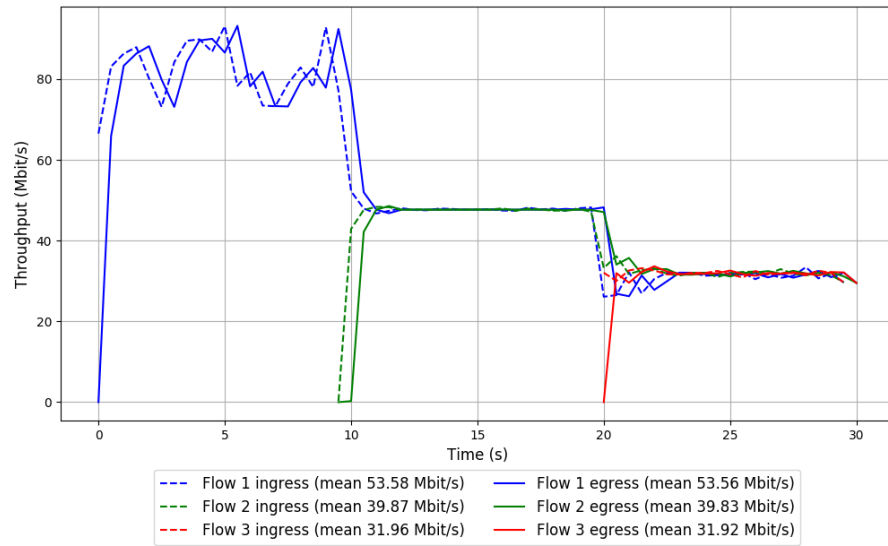
-- Flow 3:

Average throughput: 31.92 Mbit/s

95th percentile per-packet one-way delay: 12.654 ms

Loss rate: 0.16%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2019-12-11 15:41:47

End at: 2019-12-11 15:42:17

Local clock offset: -6.089 ms

Remote clock offset: 0.44 ms

Below is generated by plot.py at 2019-12-11 17:11:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.66 Mbit/s

95th percentile per-packet one-way delay: 13.338 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 52.67 Mbit/s

95th percentile per-packet one-way delay: 13.714 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 39.76 Mbit/s

95th percentile per-packet one-way delay: 13.217 ms

Loss rate: 0.09%

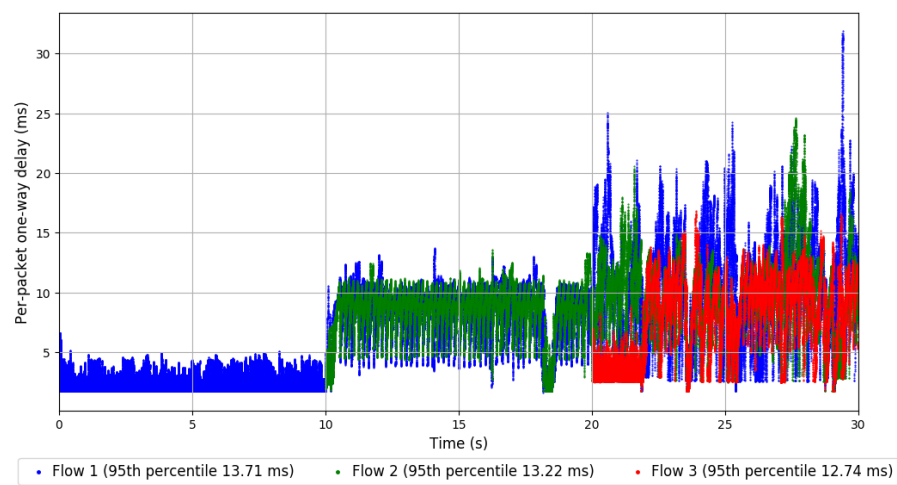
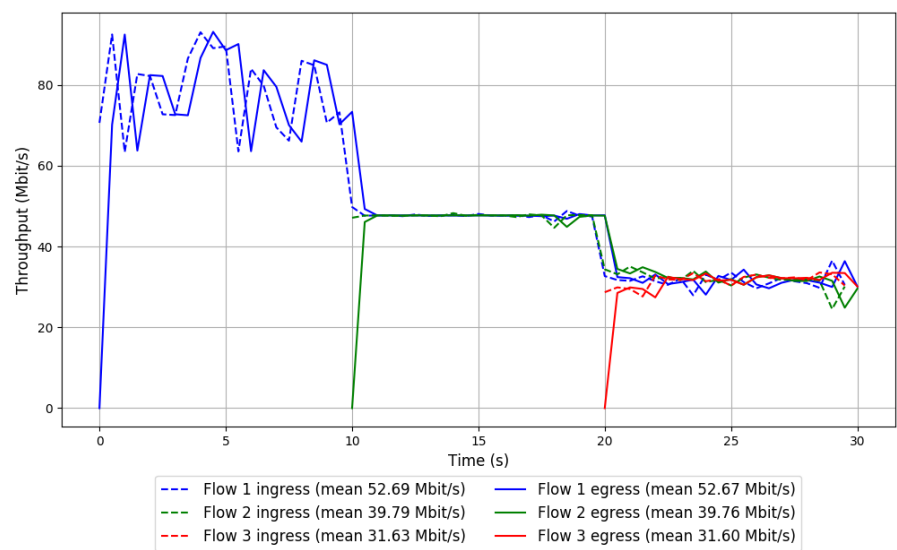
-- Flow 3:

Average throughput: 31.60 Mbit/s

95th percentile per-packet one-way delay: 12.736 ms

Loss rate: 0.14%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2019-12-11 16:09:18

End at: 2019-12-11 16:09:48

Local clock offset: -6.08 ms

Remote clock offset: 0.685 ms

Below is generated by plot.py at 2019-12-11 17:11:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.68 Mbit/s

95th percentile per-packet one-way delay: 12.265 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 55.12 Mbit/s

95th percentile per-packet one-way delay: 11.903 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 39.15 Mbit/s

95th percentile per-packet one-way delay: 12.197 ms

Loss rate: 0.06%

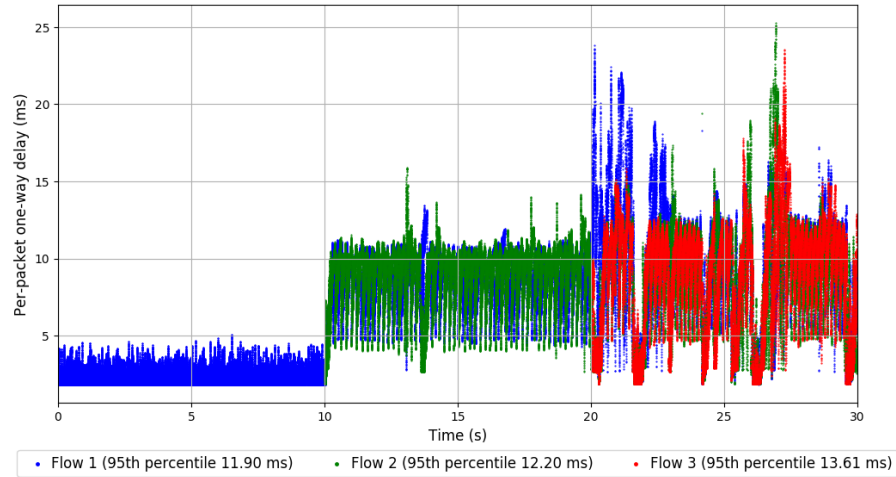
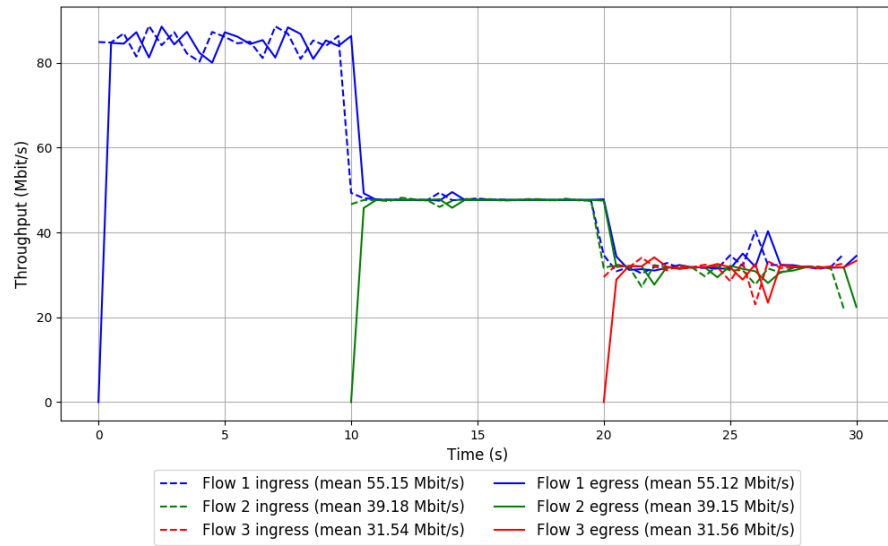
-- Flow 3:

Average throughput: 31.56 Mbit/s

95th percentile per-packet one-way delay: 13.611 ms

Loss rate: 0.04%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2019-12-11 16:36:48

End at: 2019-12-11 16:37:18

Local clock offset: -6.989 ms

Remote clock offset: 0.725 ms

Below is generated by plot.py at 2019-12-11 17:12:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.87 Mbit/s

95th percentile per-packet one-way delay: 13.104 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 54.91 Mbit/s

95th percentile per-packet one-way delay: 11.547 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 39.58 Mbit/s

95th percentile per-packet one-way delay: 12.151 ms

Loss rate: 0.08%

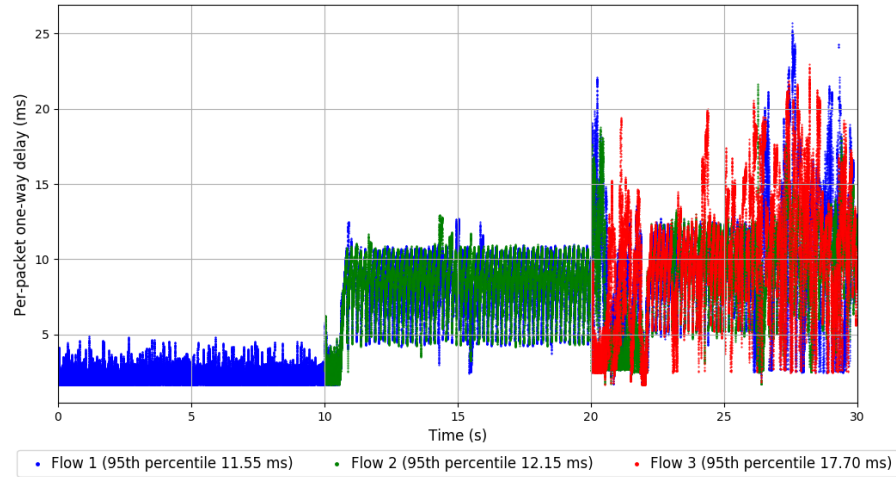
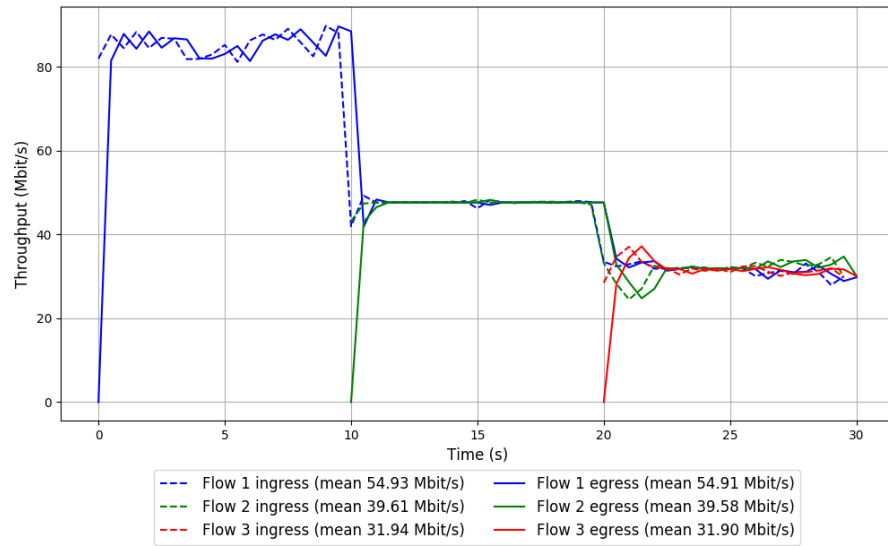
-- Flow 3:

Average throughput: 31.90 Mbit/s

95th percentile per-packet one-way delay: 17.695 ms

Loss rate: 0.16%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-12-11 17:04:23

End at: 2019-12-11 17:04:53

Local clock offset: -6.308 ms

Remote clock offset: 0.734 ms

Below is generated by plot.py at 2019-12-11 17:12:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.65 Mbit/s

95th percentile per-packet one-way delay: 12.496 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 55.00 Mbit/s

95th percentile per-packet one-way delay: 11.676 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 39.57 Mbit/s

95th percentile per-packet one-way delay: 13.073 ms

Loss rate: 0.08%

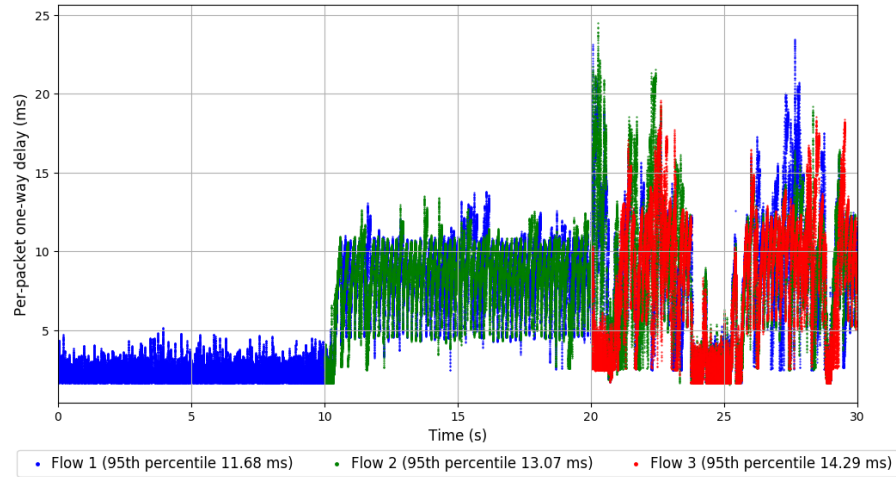
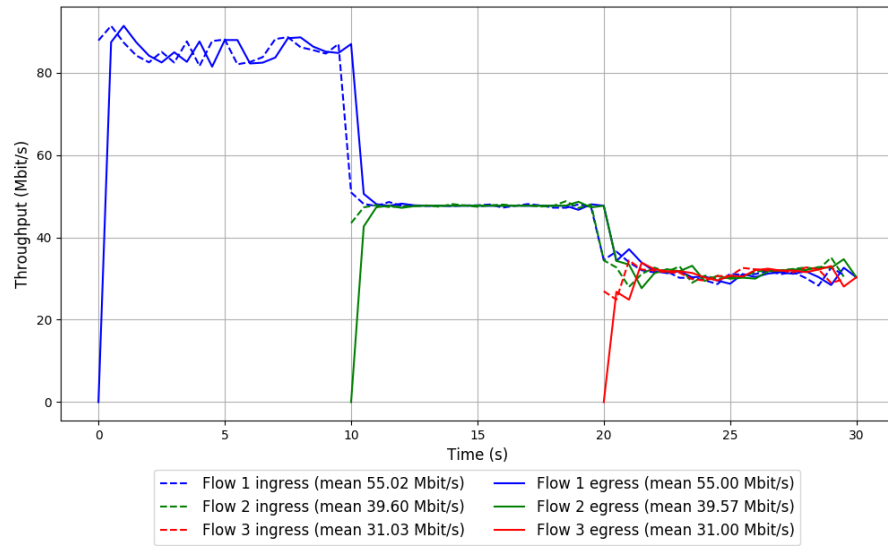
-- Flow 3:

Average throughput: 31.00 Mbit/s

95th percentile per-packet one-way delay: 14.287 ms

Loss rate: 0.13%

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-12-11 15:16:42

End at: 2019-12-11 15:17:12

Local clock offset: -6.046 ms

Remote clock offset: 0.122 ms

Below is generated by plot.py at 2019-12-11 17:12:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 10.508 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 59.61 Mbit/s

95th percentile per-packet one-way delay: 10.239 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 40.64 Mbit/s

95th percentile per-packet one-way delay: 10.529 ms

Loss rate: 0.16%

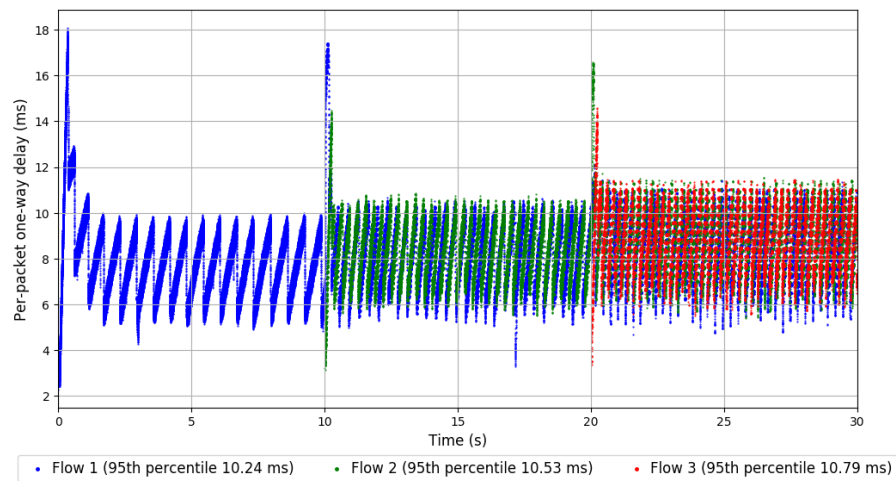
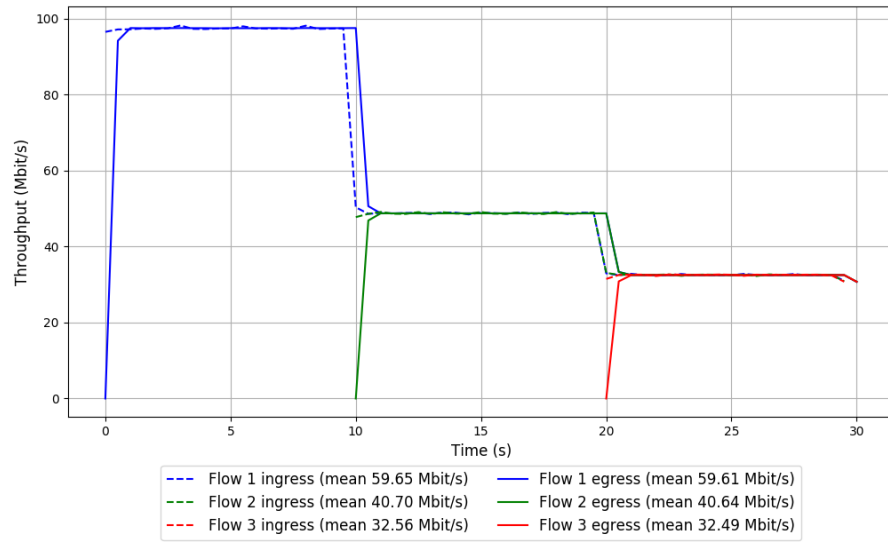
-- Flow 3:

Average throughput: 32.49 Mbit/s

95th percentile per-packet one-way delay: 10.795 ms

Loss rate: 0.23%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-12-11 15:44:09

End at: 2019-12-11 15:44:39

Local clock offset: -6.062 ms

Remote clock offset: 0.481 ms

Below is generated by plot.py at 2019-12-11 17:12:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 9.894 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 59.60 Mbit/s

95th percentile per-packet one-way delay: 9.954 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 40.65 Mbit/s

95th percentile per-packet one-way delay: 9.870 ms

Loss rate: 0.15%

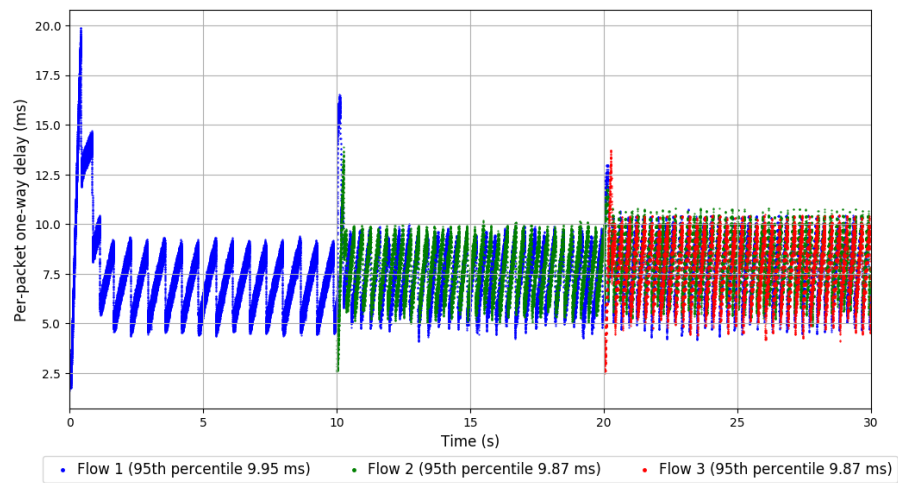
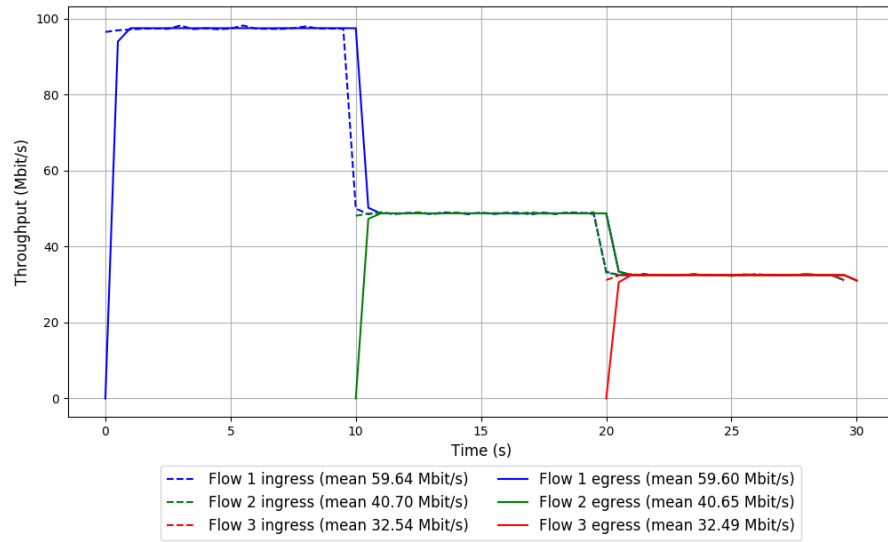
-- Flow 3:

Average throughput: 32.49 Mbit/s

95th percentile per-packet one-way delay: 9.871 ms

Loss rate: 0.21%

Run 2: Report of TCP Cubic — Data Link

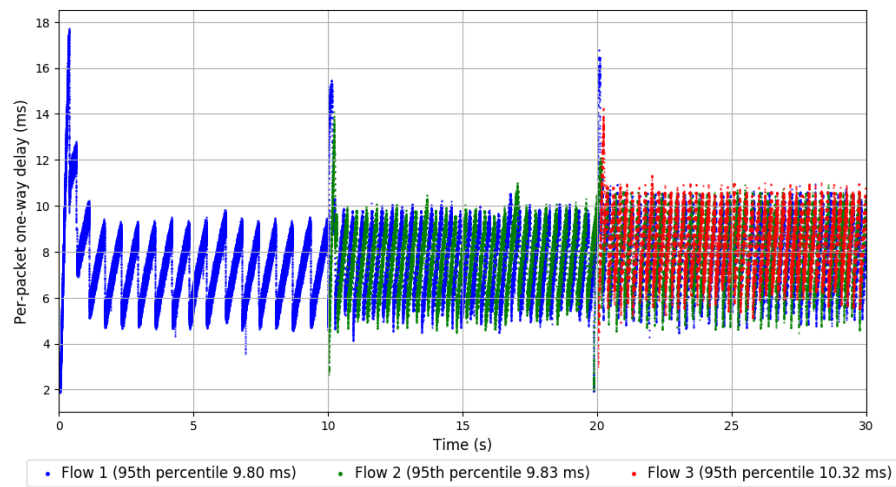
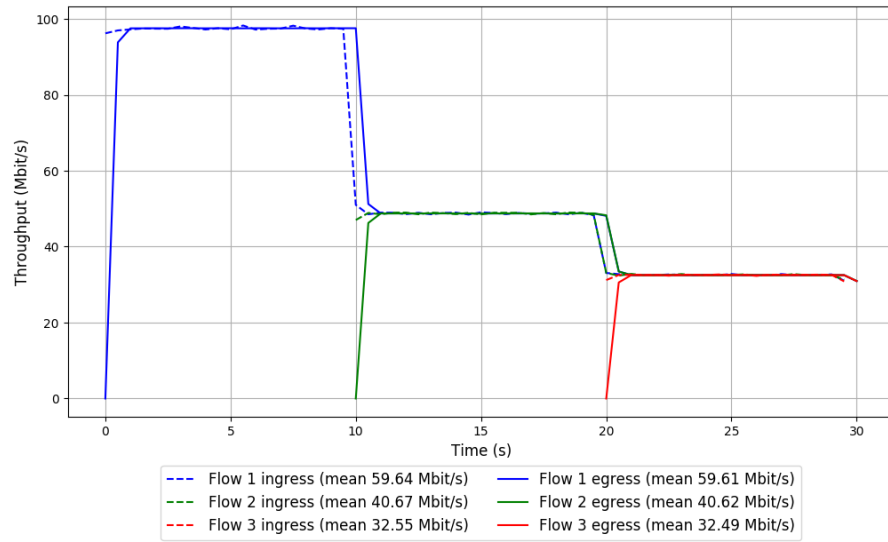


Run 3: Statistics of TCP Cubic

Start at: 2019-12-11 16:11:40
End at: 2019-12-11 16:12:10
Local clock offset: -6.246 ms
Remote clock offset: 0.62 ms

Below is generated by plot.py at 2019-12-11 17:12:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 9.955 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 59.61 Mbit/s
95th percentile per-packet one-way delay: 9.798 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 40.62 Mbit/s
95th percentile per-packet one-way delay: 9.826 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 32.49 Mbit/s
95th percentile per-packet one-way delay: 10.317 ms
Loss rate: 0.24%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-12-11 16:39:10

End at: 2019-12-11 16:39:40

Local clock offset: -6.28 ms

Remote clock offset: 0.707 ms

Below is generated by plot.py at 2019-12-11 17:12:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 10.214 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 59.60 Mbit/s

95th percentile per-packet one-way delay: 10.088 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 40.65 Mbit/s

95th percentile per-packet one-way delay: 10.342 ms

Loss rate: 0.16%

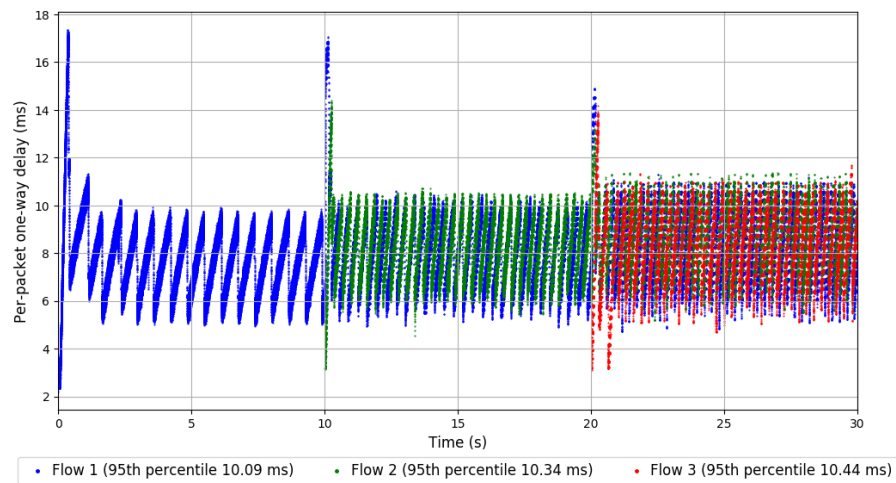
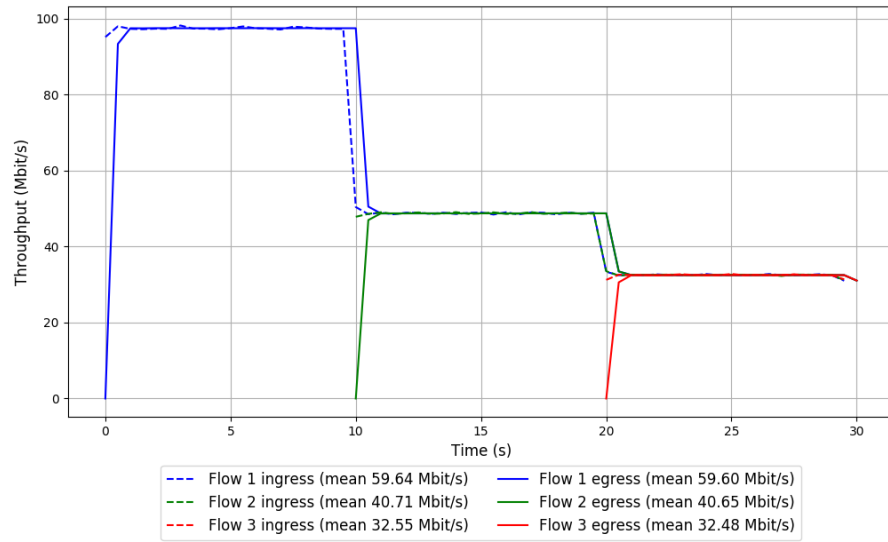
-- Flow 3:

Average throughput: 32.48 Mbit/s

95th percentile per-packet one-way delay: 10.436 ms

Loss rate: 0.25%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-12-11 17:06:45

End at: 2019-12-11 17:07:15

Local clock offset: -6.363 ms

Remote clock offset: 0.678 ms

Below is generated by plot.py at 2019-12-11 17:12:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 9.990 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 59.60 Mbit/s

95th percentile per-packet one-way delay: 10.547 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 40.65 Mbit/s

95th percentile per-packet one-way delay: 9.771 ms

Loss rate: 0.15%

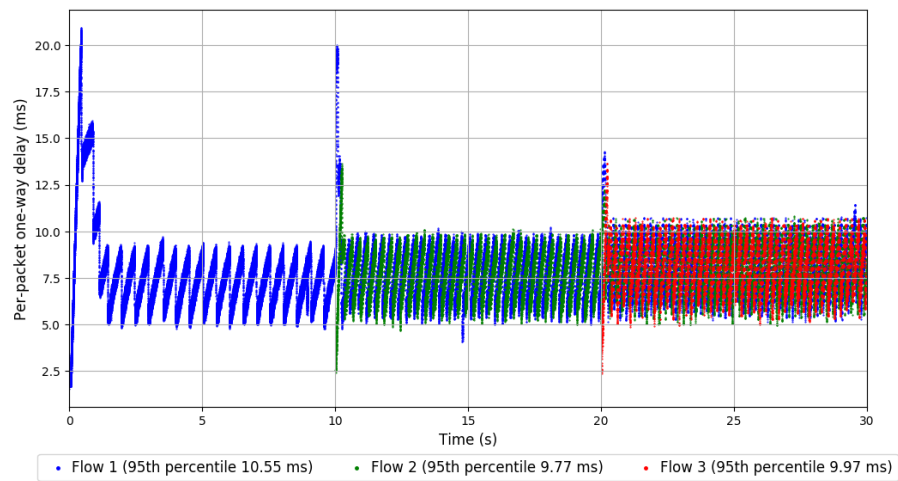
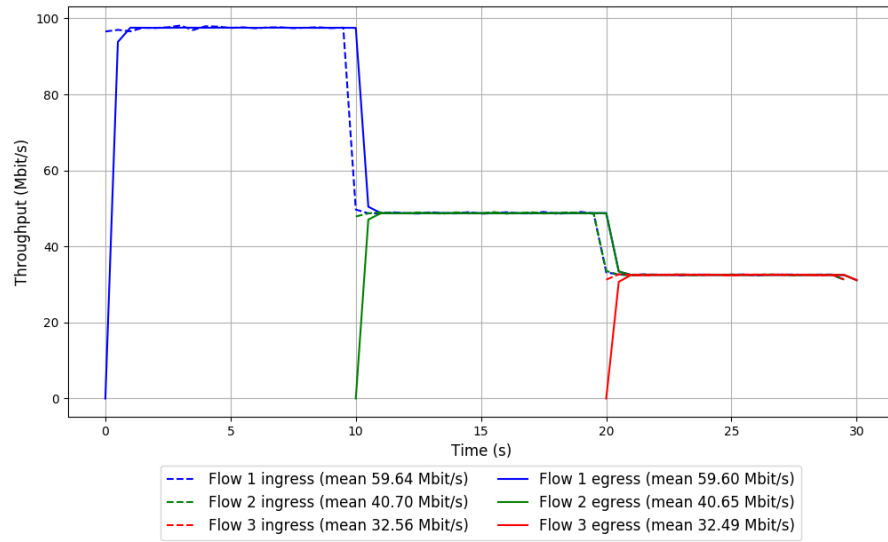
-- Flow 3:

Average throughput: 32.49 Mbit/s

95th percentile per-packet one-way delay: 9.969 ms

Loss rate: 0.25%

Run 5: Report of TCP Cubic — Data Link

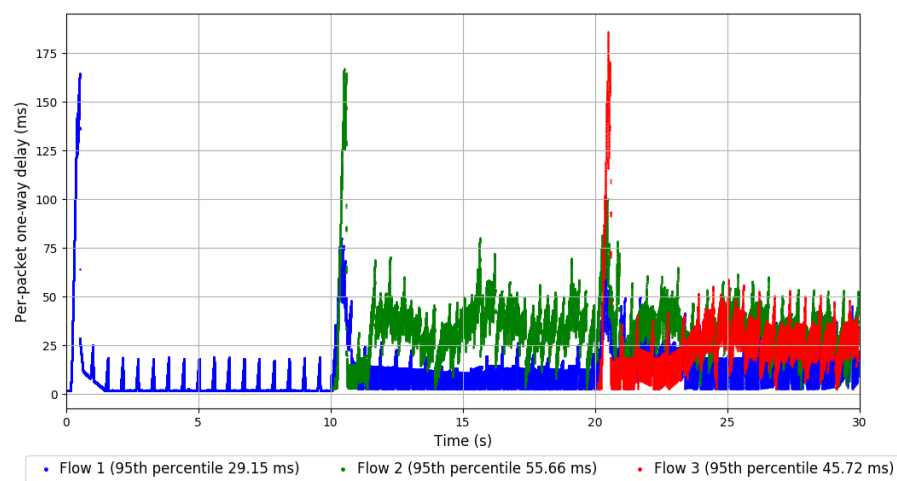
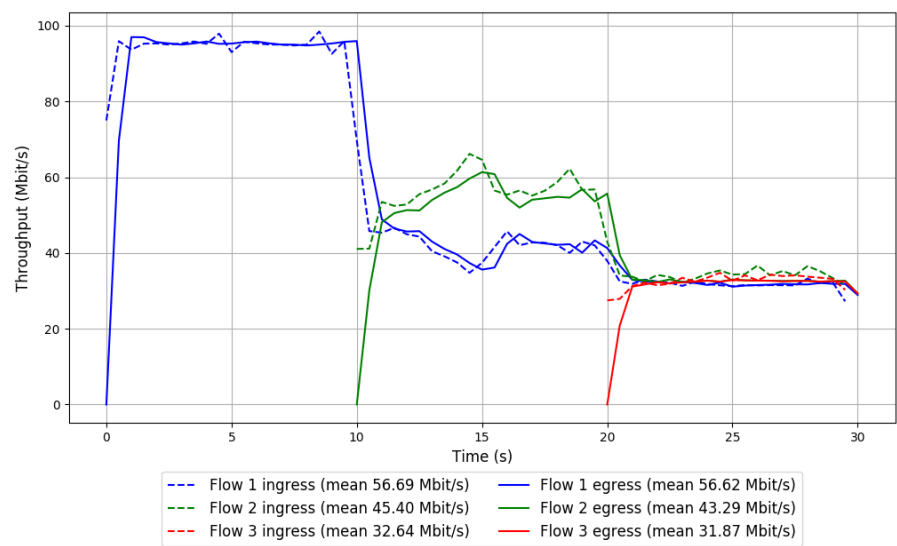


Run 1: Statistics of FillP

Start at: 2019-12-11 15:03:01
End at: 2019-12-11 15:03:31
Local clock offset: -7.811 ms
Remote clock offset: -0.132 ms

Below is generated by plot.py at 2019-12-11 17:13:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.02 Mbit/s
95th percentile per-packet one-way delay: 48.764 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 56.62 Mbit/s
95th percentile per-packet one-way delay: 29.150 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 43.29 Mbit/s
95th percentile per-packet one-way delay: 55.659 ms
Loss rate: 4.58%
-- Flow 3:
Average throughput: 31.87 Mbit/s
95th percentile per-packet one-way delay: 45.721 ms
Loss rate: 2.39%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2019-12-11 15:30:29

End at: 2019-12-11 15:30:59

Local clock offset: -6.18 ms

Remote clock offset: 0.372 ms

Below is generated by plot.py at 2019-12-11 17:13:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.76 Mbit/s

95th percentile per-packet one-way delay: 41.596 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 50.86 Mbit/s

95th percentile per-packet one-way delay: 27.281 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 48.97 Mbit/s

95th percentile per-packet one-way delay: 41.710 ms

Loss rate: 0.43%

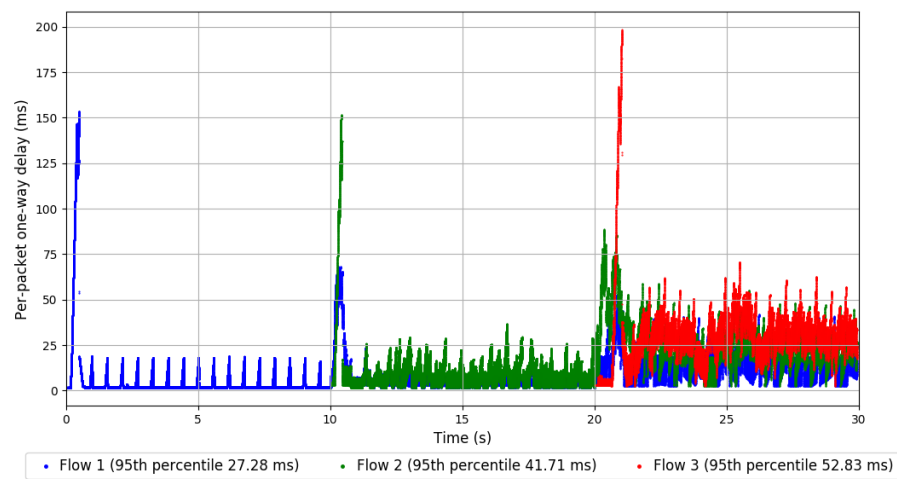
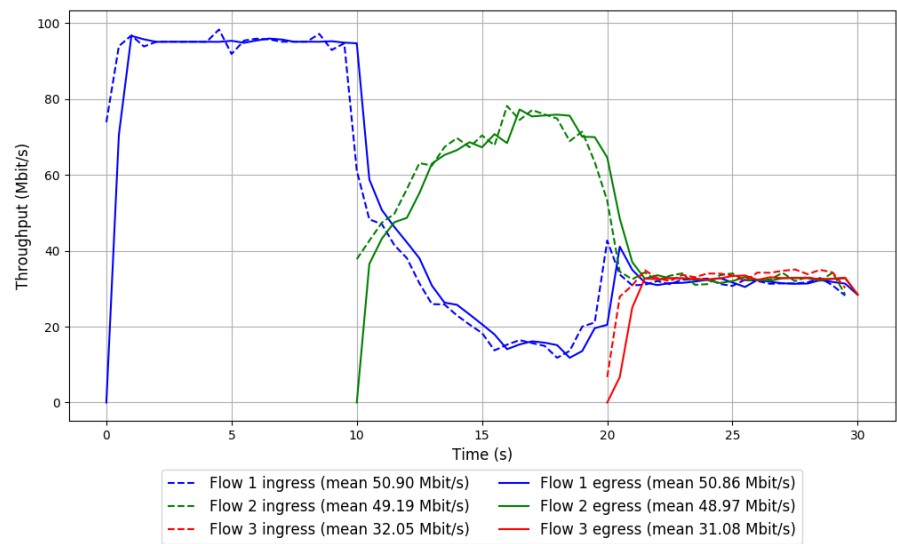
-- Flow 3:

Average throughput: 31.08 Mbit/s

95th percentile per-packet one-way delay: 52.832 ms

Loss rate: 3.06%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-12-11 15:57:57

End at: 2019-12-11 15:58:27

Local clock offset: -6.039 ms

Remote clock offset: 0.557 ms

Below is generated by plot.py at 2019-12-11 17:13:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.17 Mbit/s

95th percentile per-packet one-way delay: 39.627 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 56.17 Mbit/s

95th percentile per-packet one-way delay: 29.402 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 36.38 Mbit/s

95th percentile per-packet one-way delay: 30.756 ms

Loss rate: 0.14%

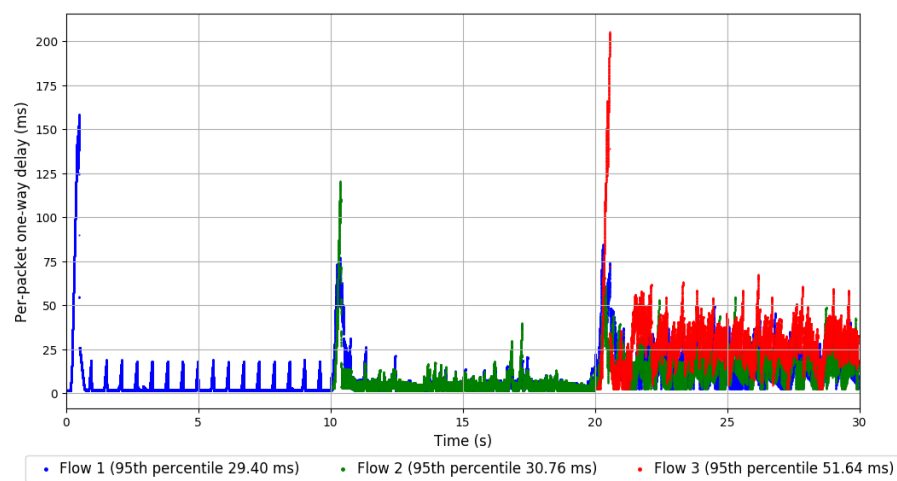
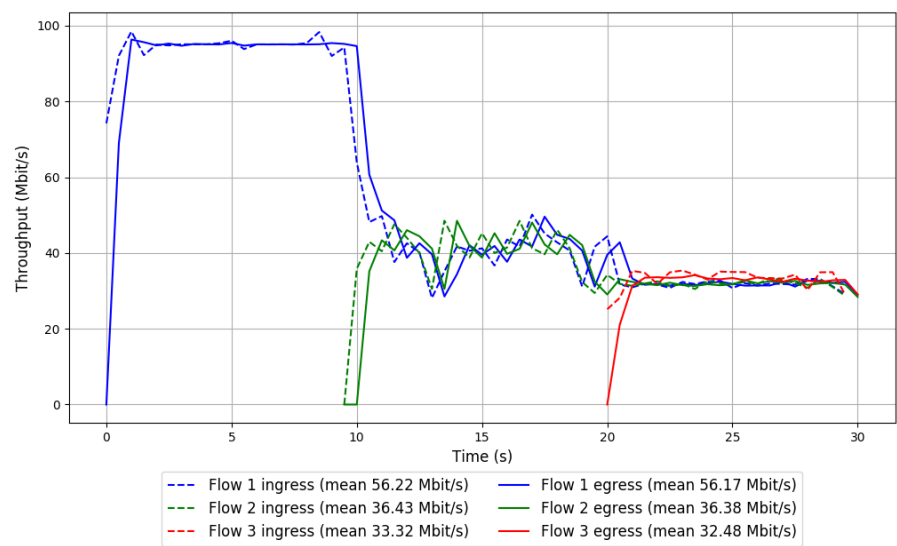
-- Flow 3:

Average throughput: 32.48 Mbit/s

95th percentile per-packet one-way delay: 51.640 ms

Loss rate: 2.43%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-12-11 16:25:28

End at: 2019-12-11 16:25:58

Local clock offset: -6.072 ms

Remote clock offset: 0.666 ms

Below is generated by plot.py at 2019-12-11 17:13:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.05 Mbit/s

95th percentile per-packet one-way delay: 49.448 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 55.02 Mbit/s

95th percentile per-packet one-way delay: 30.070 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 35.62 Mbit/s

95th percentile per-packet one-way delay: 33.263 ms

Loss rate: 0.21%

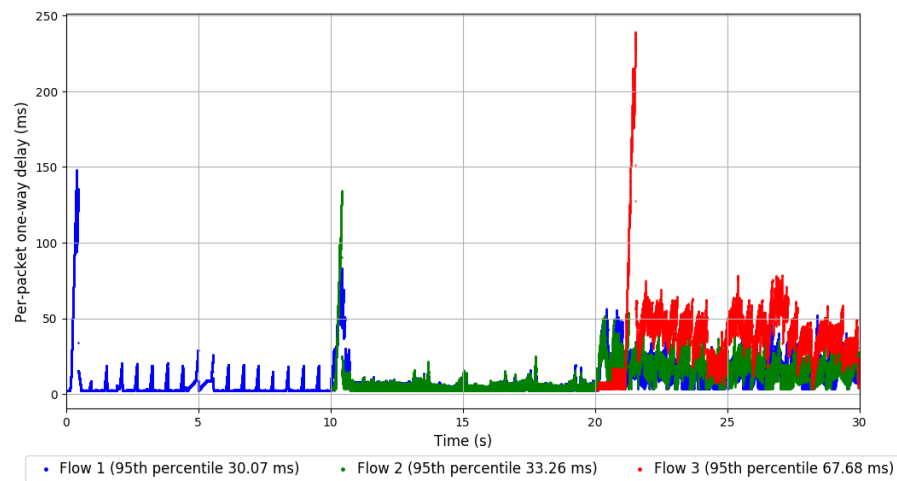
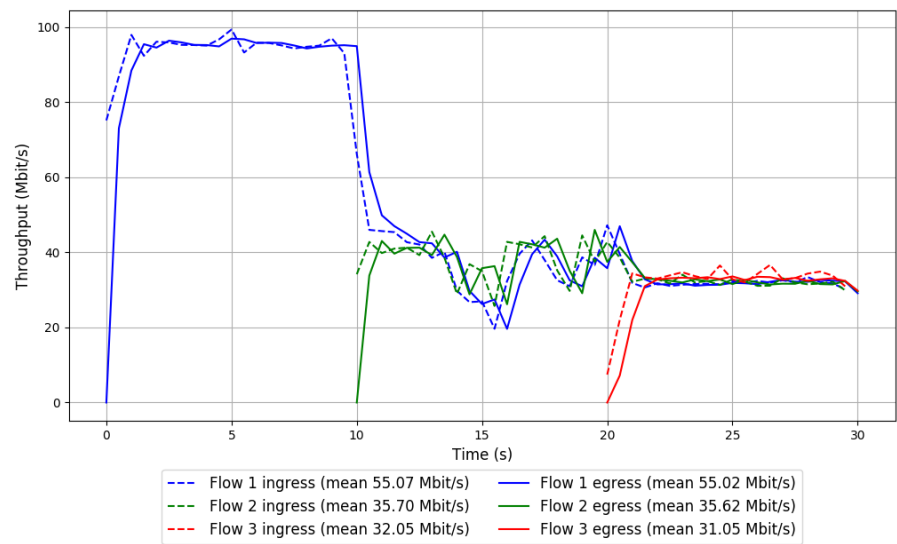
-- Flow 3:

Average throughput: 31.05 Mbit/s

95th percentile per-packet one-way delay: 67.681 ms

Loss rate: 3.05%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-12-11 16:53:02

End at: 2019-12-11 16:53:32

Local clock offset: -5.712 ms

Remote clock offset: 0.783 ms

Below is generated by plot.py at 2019-12-11 17:14:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.99 Mbit/s

95th percentile per-packet one-way delay: 41.296 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 54.26 Mbit/s

95th percentile per-packet one-way delay: 26.677 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 45.01 Mbit/s

95th percentile per-packet one-way delay: 42.727 ms

Loss rate: 0.83%

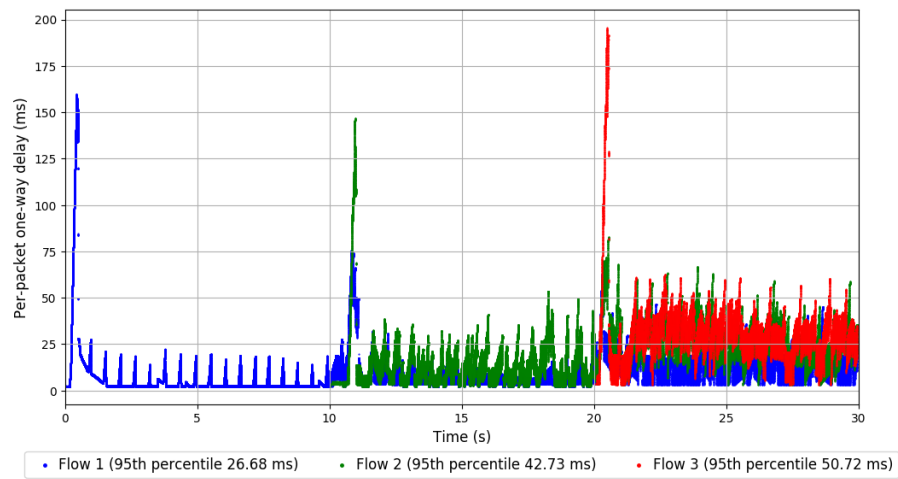
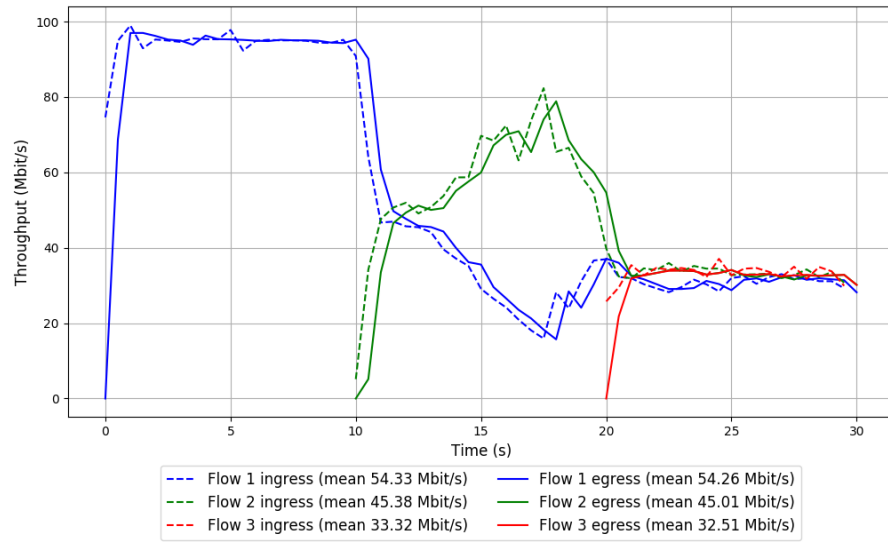
-- Flow 3:

Average throughput: 32.51 Mbit/s

95th percentile per-packet one-way delay: 50.717 ms

Loss rate: 2.49%

Run 5: Report of FillP — Data Link

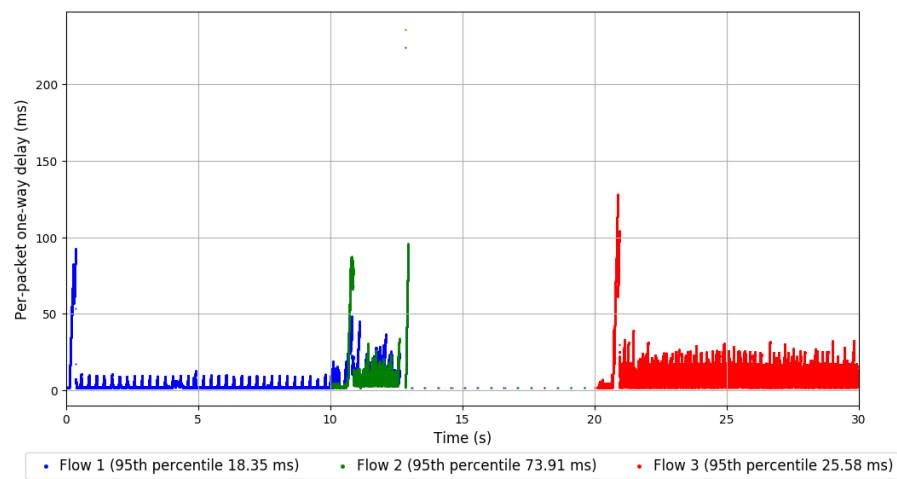
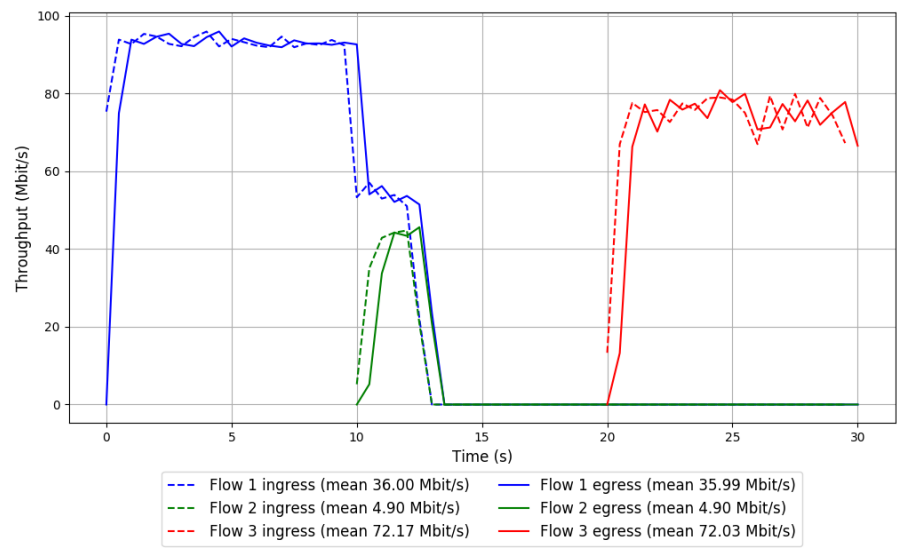


Run 1: Statistics of FillP-Sheep

Start at: 2019-12-11 15:07:33
End at: 2019-12-11 15:08:03
Local clock offset: -7.88 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2019-12-11 17:14:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.81 Mbit/s
95th percentile per-packet one-way delay: 24.683 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 35.99 Mbit/s
95th percentile per-packet one-way delay: 18.350 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.90 Mbit/s
95th percentile per-packet one-way delay: 73.911 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 72.03 Mbit/s
95th percentile per-packet one-way delay: 25.581 ms
Loss rate: 0.13%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-12-11 15:35:01

End at: 2019-12-11 15:35:31

Local clock offset: -5.422 ms

Remote clock offset: 0.442 ms

Below is generated by plot.py at 2019-12-11 17:14:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.60 Mbit/s

95th percentile per-packet one-way delay: 21.373 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 57.29 Mbit/s

95th percentile per-packet one-way delay: 18.494 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 34.76 Mbit/s

95th percentile per-packet one-way delay: 23.824 ms

Loss rate: 0.00%

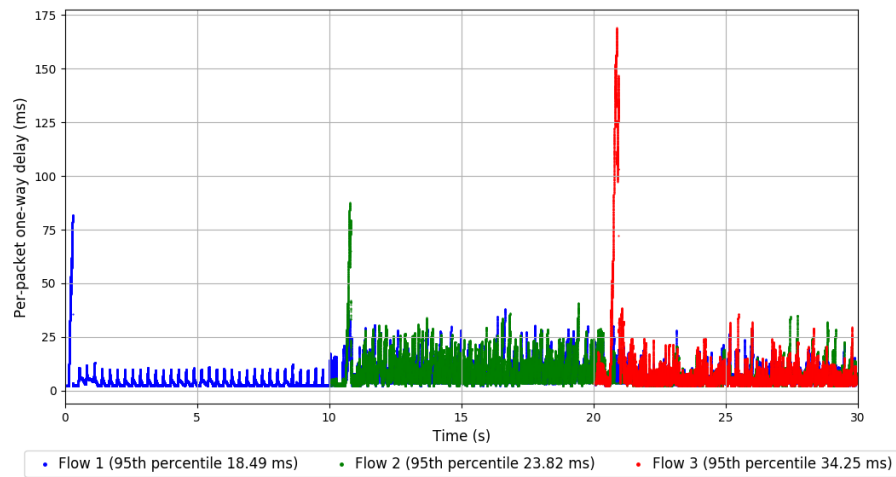
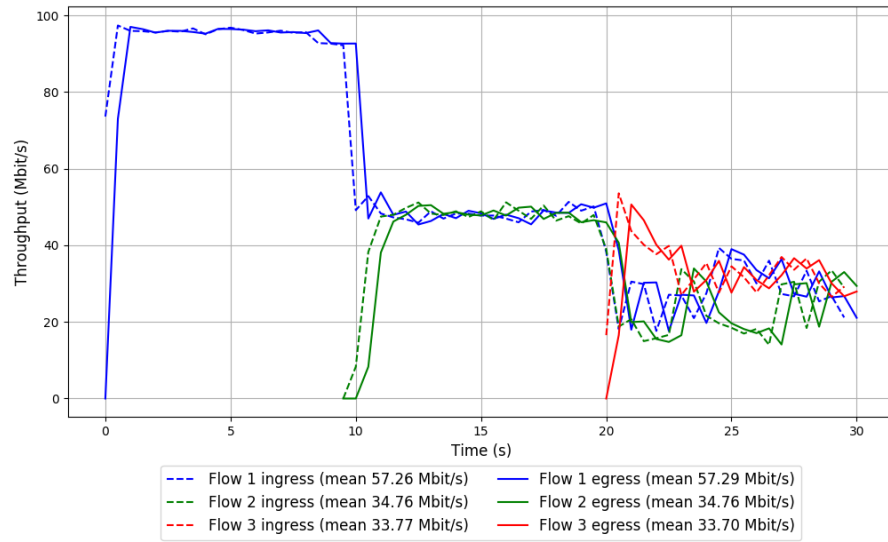
-- Flow 3:

Average throughput: 33.70 Mbit/s

95th percentile per-packet one-way delay: 34.248 ms

Loss rate: 0.25%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-12-11 16:02:30

End at: 2019-12-11 16:03:00

Local clock offset: -6.012 ms

Remote clock offset: 0.638 ms

Below is generated by plot.py at 2019-12-11 17:14:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.99 Mbit/s

95th percentile per-packet one-way delay: 23.413 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 54.16 Mbit/s

95th percentile per-packet one-way delay: 19.396 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 35.78 Mbit/s

95th percentile per-packet one-way delay: 24.566 ms

Loss rate: 0.01%

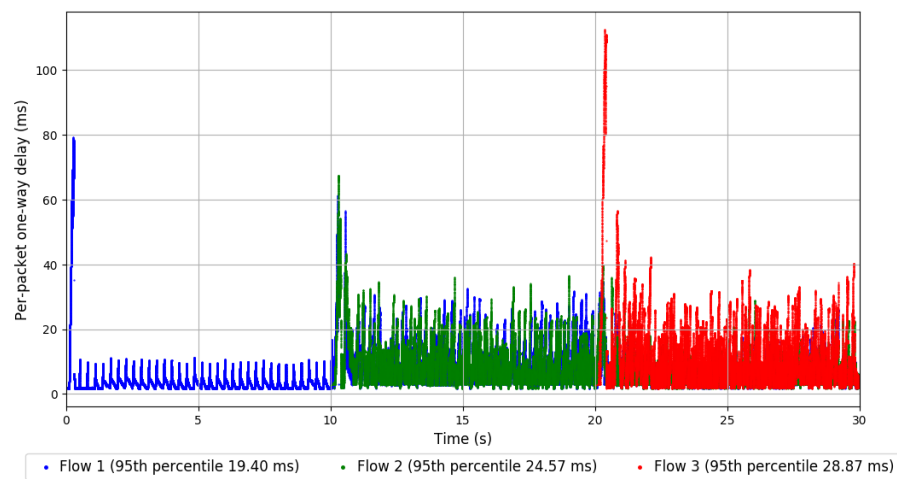
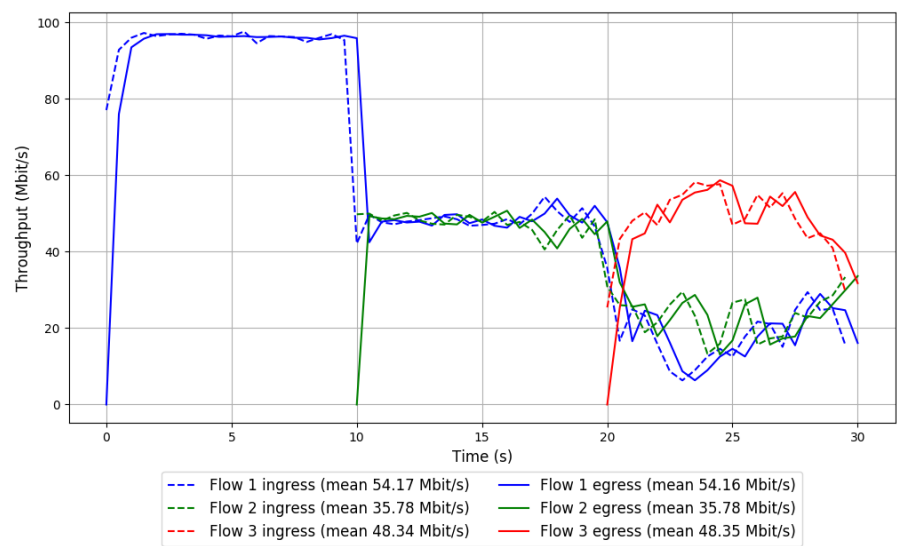
-- Flow 3:

Average throughput: 48.35 Mbit/s

95th percentile per-packet one-way delay: 28.870 ms

Loss rate: 0.17%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-12-11 16:30:00

End at: 2019-12-11 16:30:30

Local clock offset: -6.14 ms

Remote clock offset: 0.756 ms

Below is generated by plot.py at 2019-12-11 17:14:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.31 Mbit/s

95th percentile per-packet one-way delay: 19.784 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 56.07 Mbit/s

95th percentile per-packet one-way delay: 18.404 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 37.24 Mbit/s

95th percentile per-packet one-way delay: 22.324 ms

Loss rate: 0.01%

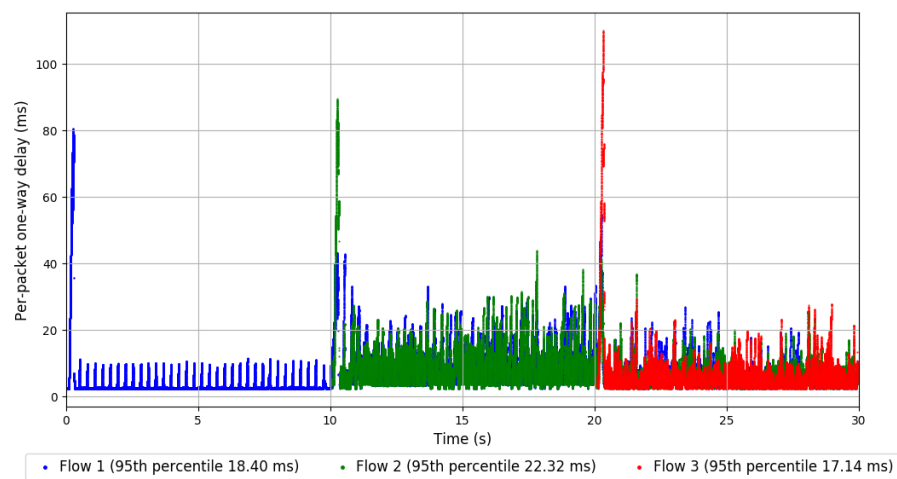
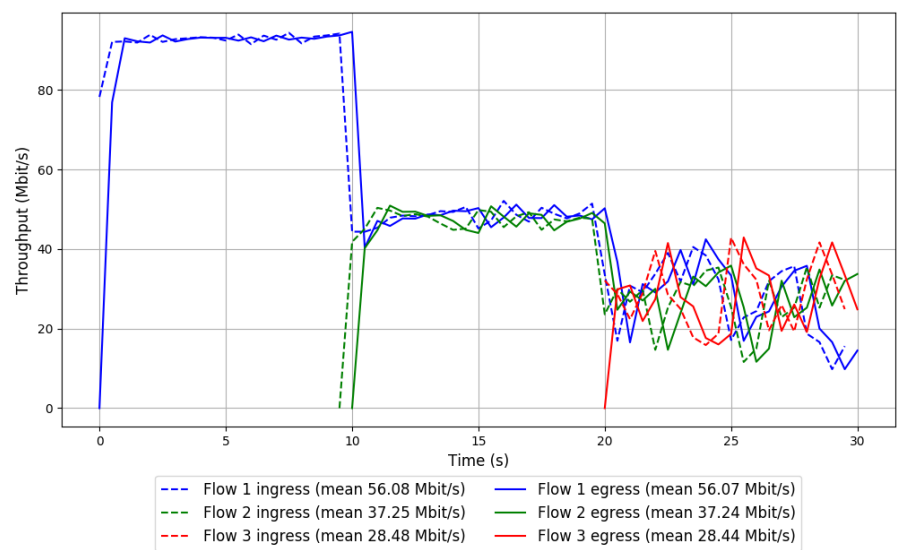
-- Flow 3:

Average throughput: 28.44 Mbit/s

95th percentile per-packet one-way delay: 17.142 ms

Loss rate: 0.04%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-12-11 16:57:35

End at: 2019-12-11 16:58:05

Local clock offset: -6.358 ms

Remote clock offset: 0.656 ms

Below is generated by plot.py at 2019-12-11 17:14:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.77 Mbit/s

95th percentile per-packet one-way delay: 21.609 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 56.16 Mbit/s

95th percentile per-packet one-way delay: 19.019 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 38.56 Mbit/s

95th percentile per-packet one-way delay: 22.934 ms

Loss rate: 0.01%

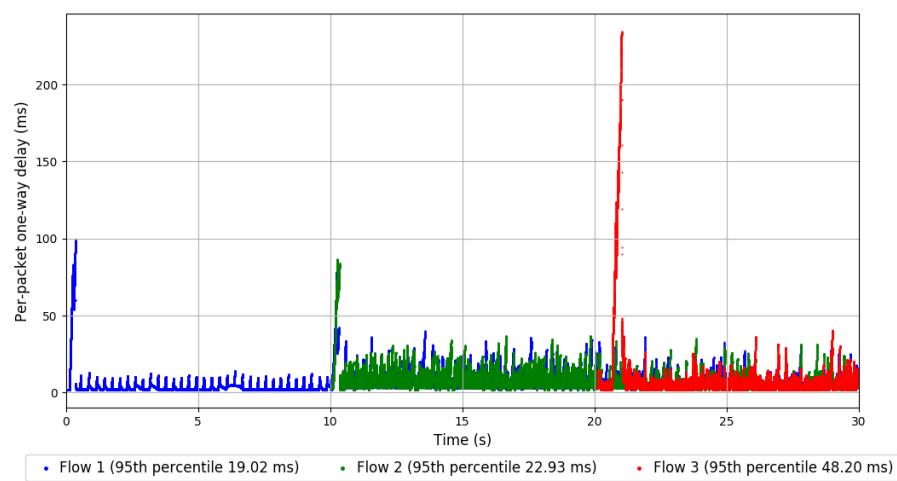
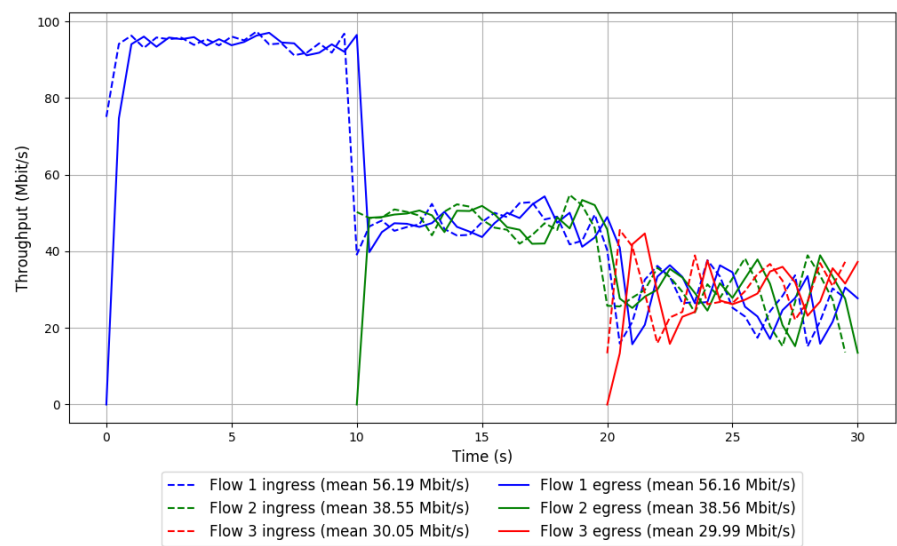
-- Flow 3:

Average throughput: 29.99 Mbit/s

95th percentile per-packet one-way delay: 48.197 ms

Loss rate: 0.15%

Run 5: Report of FillP-Sheep — Data Link

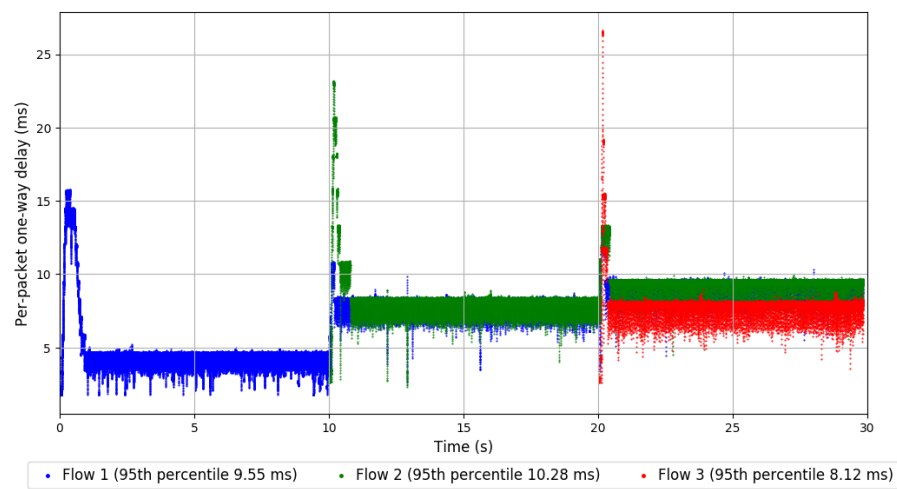
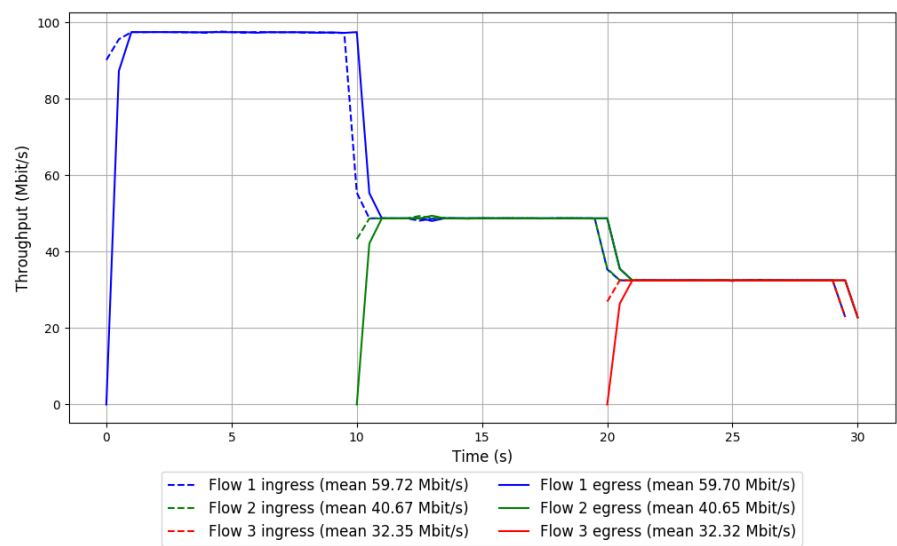


Run 1: Statistics of Indigo

Start at: 2019-12-11 14:57:21
End at: 2019-12-11 14:57:51
Local clock offset: -7.775 ms
Remote clock offset: -0.274 ms

Below is generated by plot.py at 2019-12-11 17:14:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.34 Mbit/s
95th percentile per-packet one-way delay: 9.579 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 59.70 Mbit/s
95th percentile per-packet one-way delay: 9.553 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 40.65 Mbit/s
95th percentile per-packet one-way delay: 10.280 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 32.32 Mbit/s
95th percentile per-packet one-way delay: 8.118 ms
Loss rate: 0.10%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-12-11 15:24:49

End at: 2019-12-11 15:25:19

Local clock offset: -6.383 ms

Remote clock offset: 0.169 ms

Below is generated by plot.py at 2019-12-11 17:14:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.29 Mbit/s

95th percentile per-packet one-way delay: 11.268 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 59.65 Mbit/s

95th percentile per-packet one-way delay: 9.479 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 40.63 Mbit/s

95th percentile per-packet one-way delay: 11.557 ms

Loss rate: 1.26%

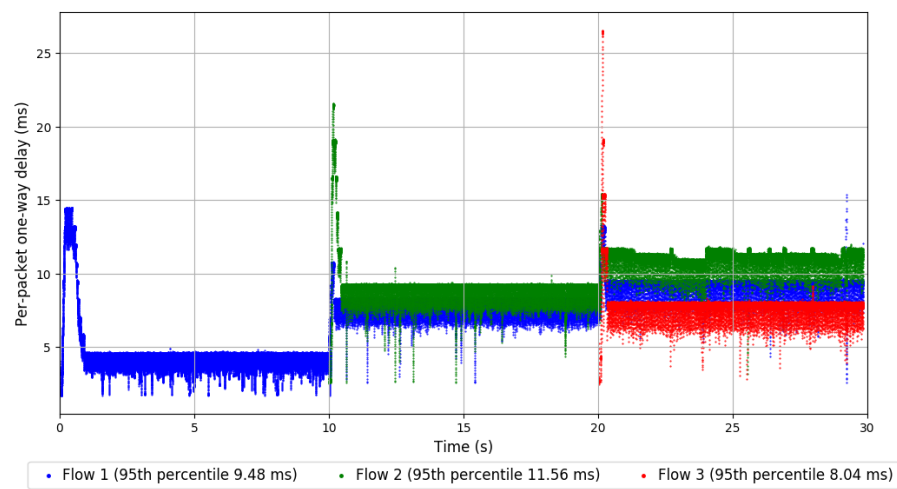
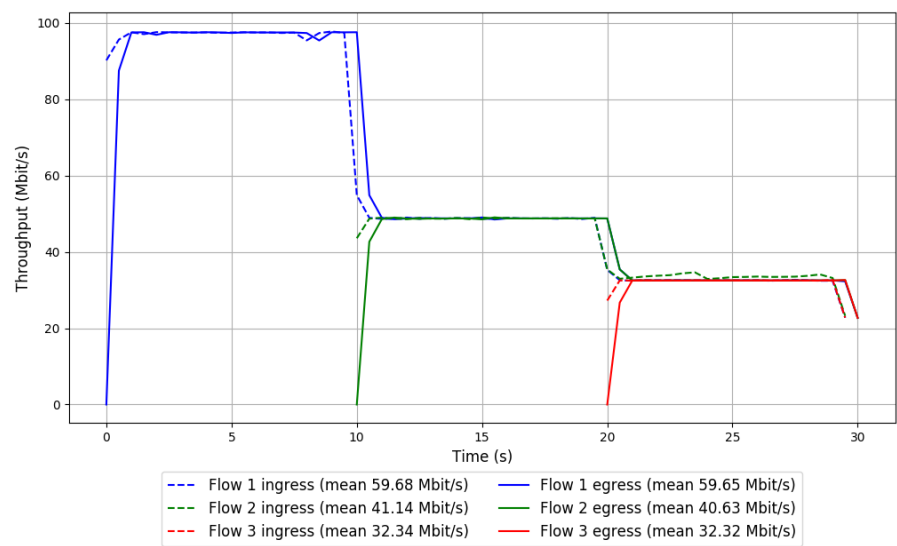
-- Flow 3:

Average throughput: 32.32 Mbit/s

95th percentile per-packet one-way delay: 8.044 ms

Loss rate: 0.09%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-12-11 15:52:16

End at: 2019-12-11 15:52:46

Local clock offset: -6.04 ms

Remote clock offset: 0.644 ms

Below is generated by plot.py at 2019-12-11 17:14:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.86 Mbit/s

95th percentile per-packet one-way delay: 9.467 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 59.23 Mbit/s

95th percentile per-packet one-way delay: 9.071 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 40.65 Mbit/s

95th percentile per-packet one-way delay: 9.869 ms

Loss rate: 0.09%

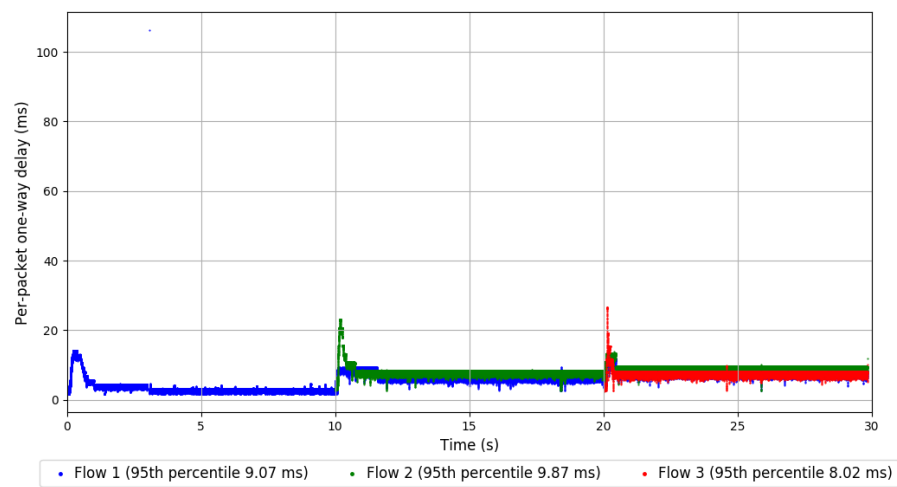
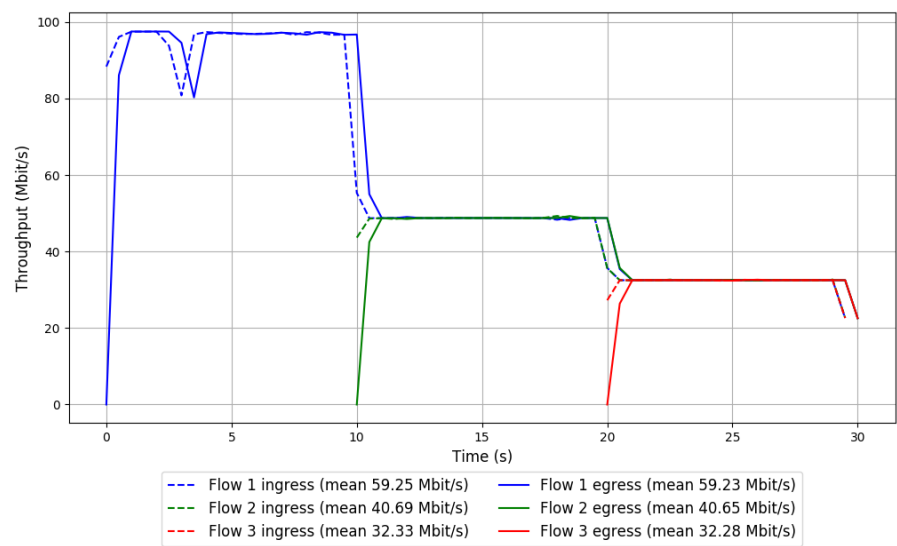
-- Flow 3:

Average throughput: 32.28 Mbit/s

95th percentile per-packet one-way delay: 8.020 ms

Loss rate: 0.15%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-12-11 16:19:47

End at: 2019-12-11 16:20:17

Local clock offset: -6.624 ms

Remote clock offset: 0.695 ms

Below is generated by plot.py at 2019-12-11 17:15:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.31 Mbit/s

95th percentile per-packet one-way delay: 9.821 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 59.73 Mbit/s

95th percentile per-packet one-way delay: 9.041 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 40.61 Mbit/s

95th percentile per-packet one-way delay: 9.921 ms

Loss rate: 0.16%

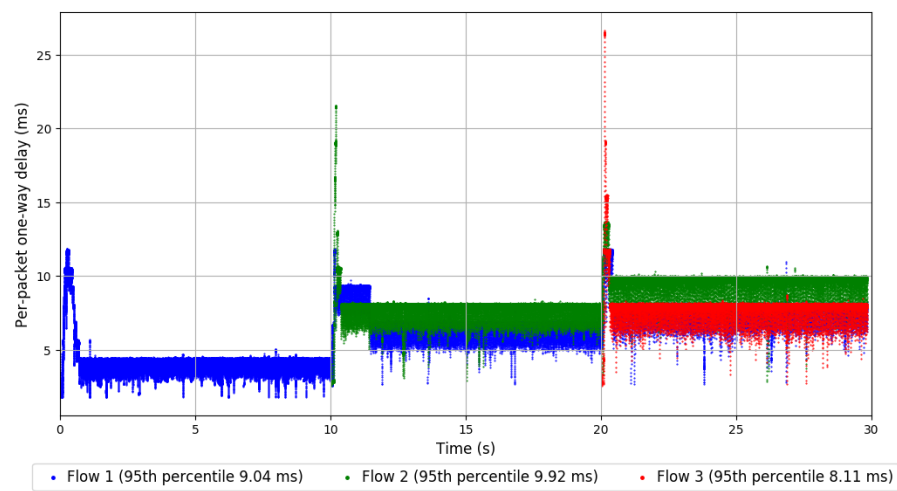
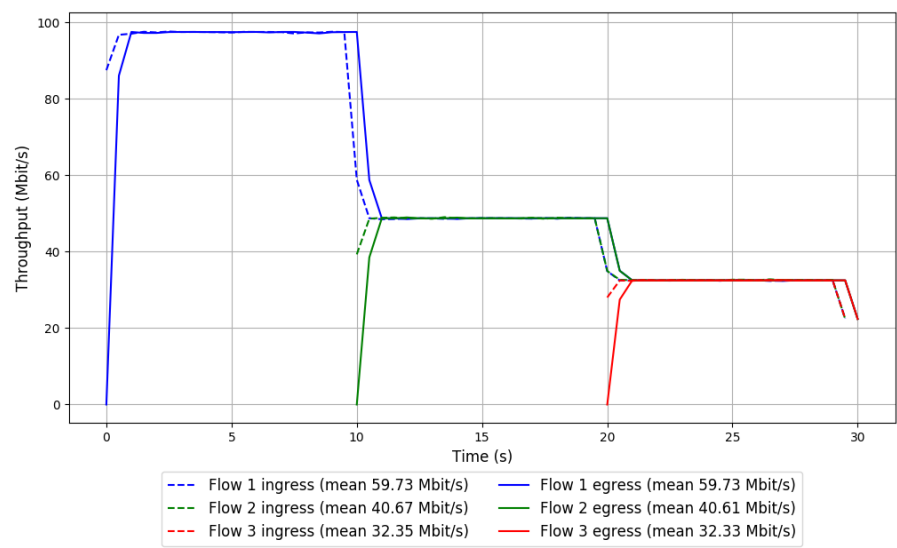
-- Flow 3:

Average throughput: 32.33 Mbit/s

95th percentile per-packet one-way delay: 8.114 ms

Loss rate: 0.10%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-12-11 16:47:20

End at: 2019-12-11 16:47:50

Local clock offset: -6.536 ms

Remote clock offset: 0.743 ms

Below is generated by plot.py at 2019-12-11 17:15:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.35 Mbit/s

95th percentile per-packet one-way delay: 9.752 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 59.78 Mbit/s

95th percentile per-packet one-way delay: 9.454 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 40.64 Mbit/s

95th percentile per-packet one-way delay: 9.814 ms

Loss rate: 0.15%

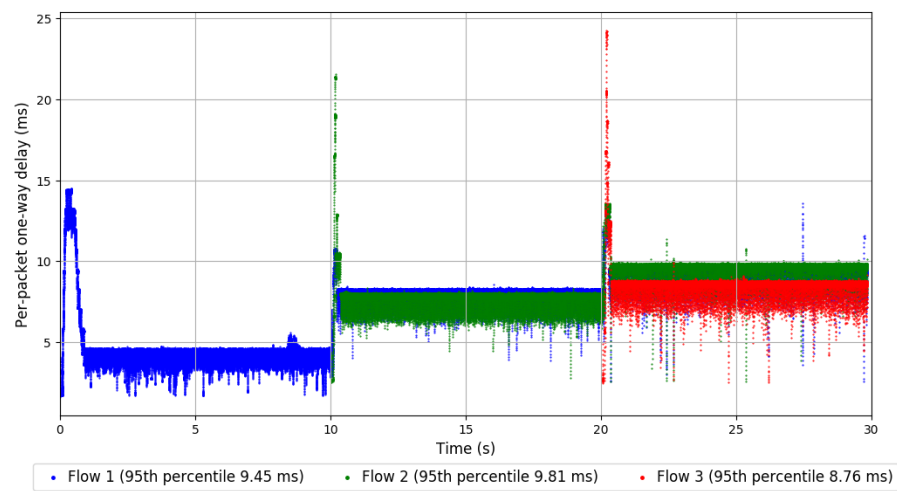
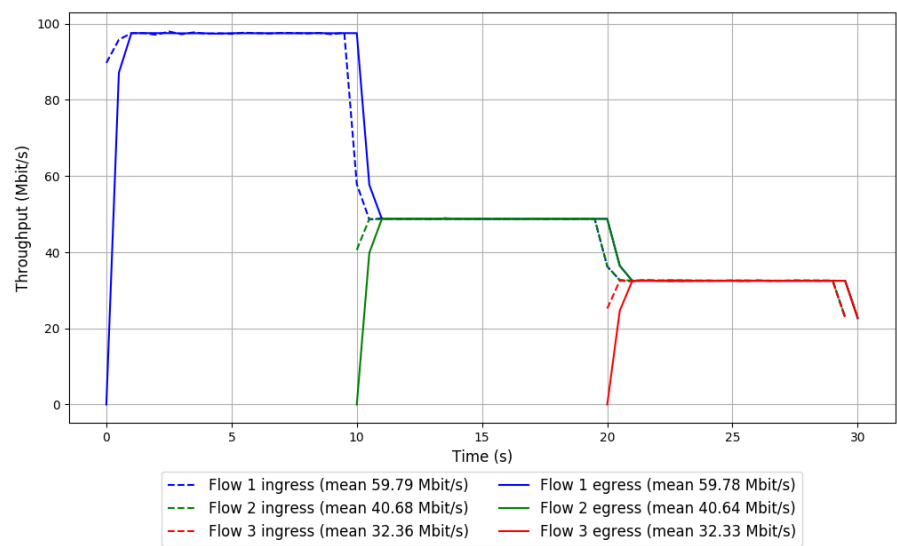
-- Flow 3:

Average throughput: 32.33 Mbit/s

95th percentile per-packet one-way delay: 8.759 ms

Loss rate: 0.11%

Run 5: Report of Indigo — Data Link

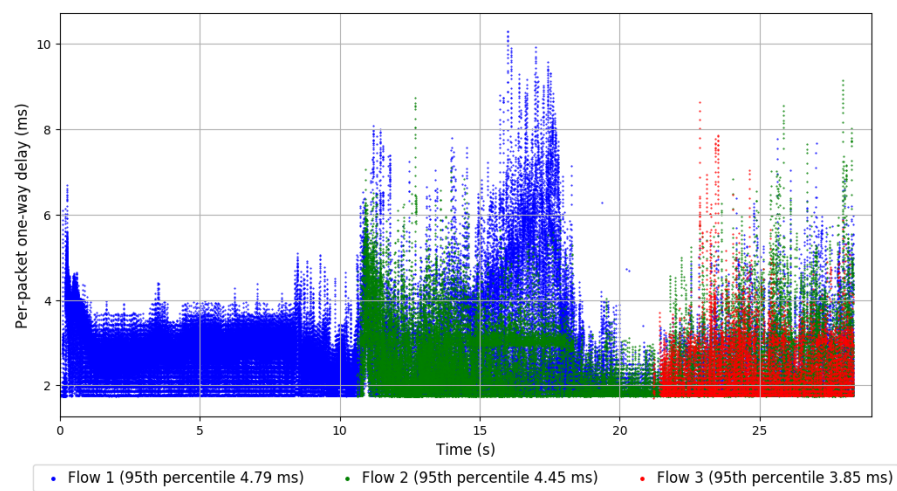
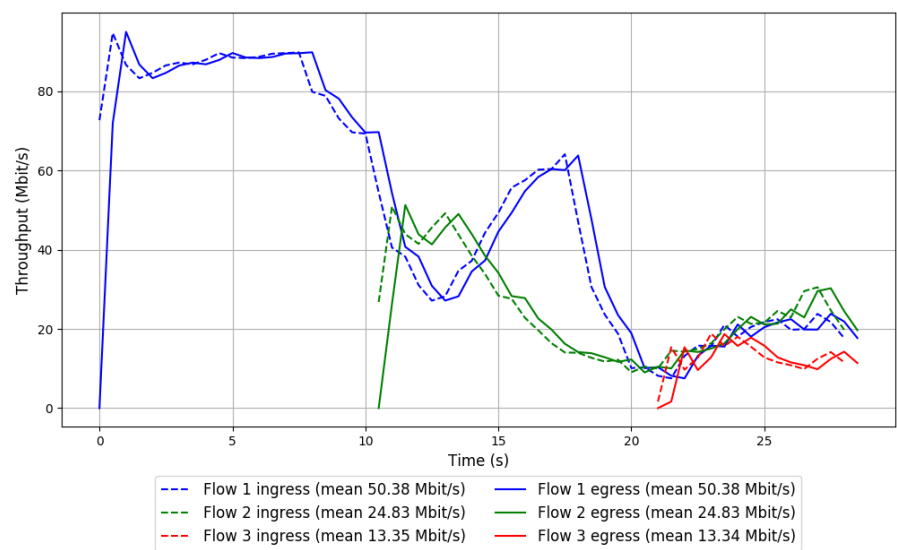


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-12-11 14:52:46
End at: 2019-12-11 14:53:16
Local clock offset: -7.652 ms
Remote clock offset: -0.223 ms

Below is generated by plot.py at 2019-12-11 17:15:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.27 Mbit/s
95th percentile per-packet one-way delay: 4.638 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 50.38 Mbit/s
95th percentile per-packet one-way delay: 4.787 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.83 Mbit/s
95th percentile per-packet one-way delay: 4.453 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 13.34 Mbit/s
95th percentile per-packet one-way delay: 3.855 ms
Loss rate: 0.10%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-12-11 15:20:14

End at: 2019-12-11 15:20:44

Local clock offset: -5.828 ms

Remote clock offset: 0.217 ms

Below is generated by plot.py at 2019-12-11 17:15:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.59 Mbit/s

95th percentile per-packet one-way delay: 4.165 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 36.11 Mbit/s

95th percentile per-packet one-way delay: 3.837 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 27.62 Mbit/s

95th percentile per-packet one-way delay: 4.827 ms

Loss rate: 0.04%

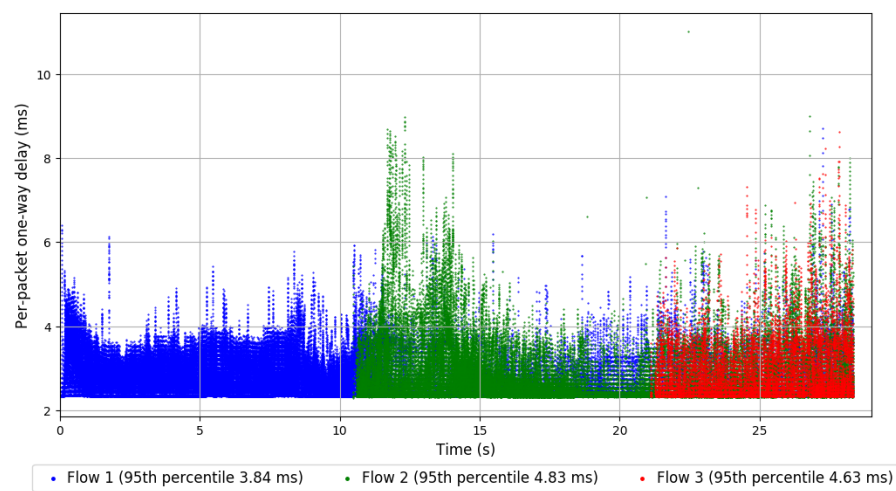
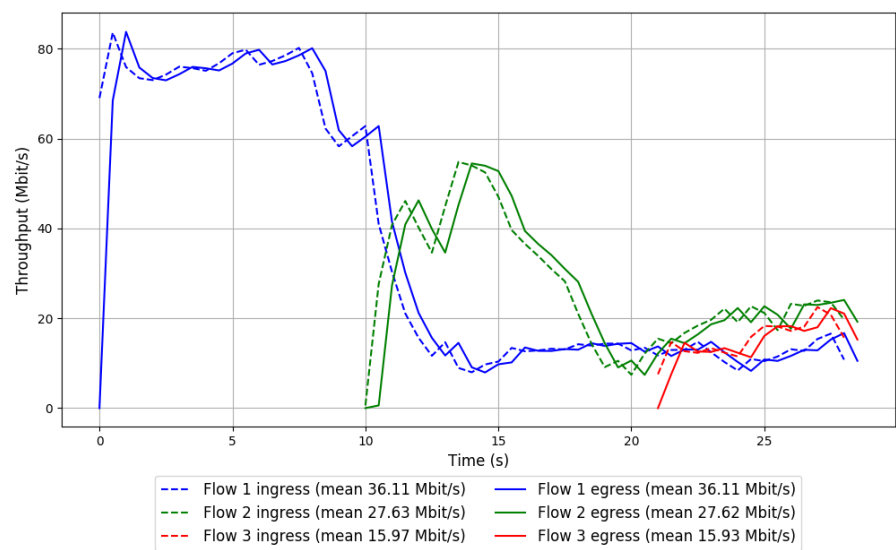
-- Flow 3:

Average throughput: 15.93 Mbit/s

95th percentile per-packet one-way delay: 4.634 ms

Loss rate: 0.23%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-12-11 15:47:42

End at: 2019-12-11 15:48:12

Local clock offset: -5.362 ms

Remote clock offset: 0.545 ms

Below is generated by plot.py at 2019-12-11 17:15:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.84 Mbit/s

95th percentile per-packet one-way delay: 4.642 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 37.41 Mbit/s

95th percentile per-packet one-way delay: 3.976 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 29.08 Mbit/s

95th percentile per-packet one-way delay: 5.174 ms

Loss rate: 0.01%

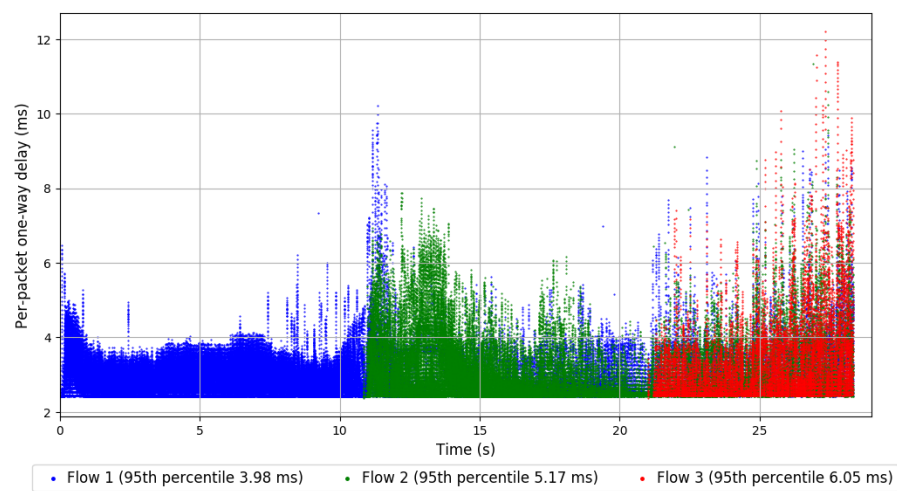
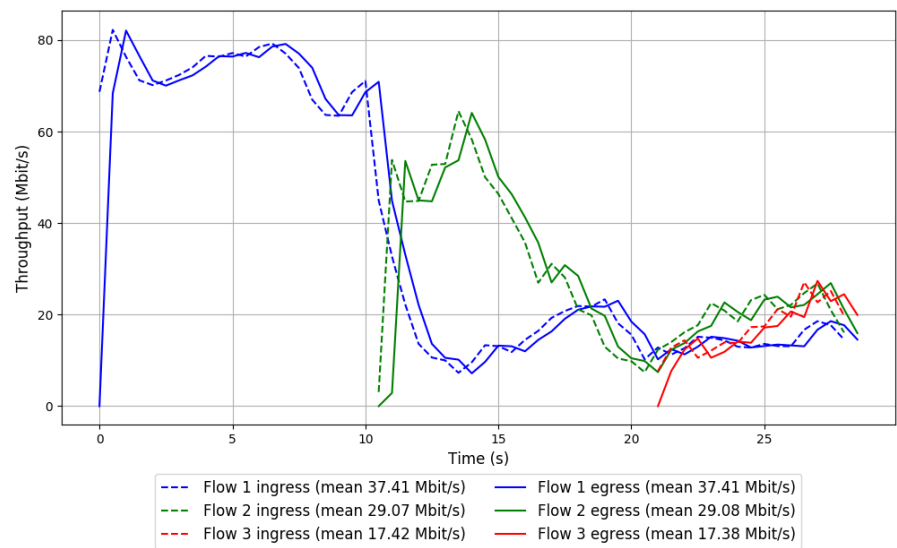
-- Flow 3:

Average throughput: 17.38 Mbit/s

95th percentile per-packet one-way delay: 6.049 ms

Loss rate: 0.23%

Run 3: Report of Indigo-MusesC3 — Data Link

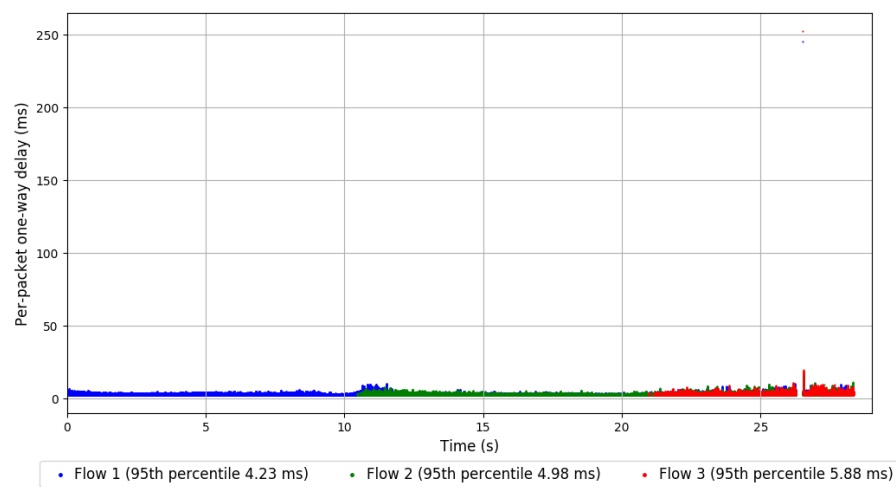
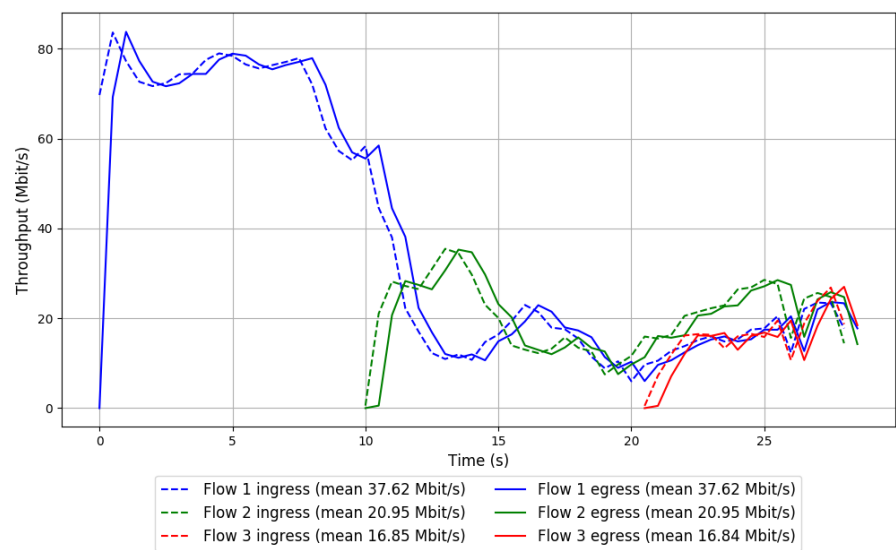


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-12-11 16:15:13
End at: 2019-12-11 16:15:43
Local clock offset: -5.821 ms
Remote clock offset: 0.718 ms

Below is generated by plot.py at 2019-12-11 17:15:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.21 Mbit/s
95th percentile per-packet one-way delay: 4.636 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 37.62 Mbit/s
95th percentile per-packet one-way delay: 4.233 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 20.95 Mbit/s
95th percentile per-packet one-way delay: 4.977 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 16.84 Mbit/s
95th percentile per-packet one-way delay: 5.881 ms
Loss rate: 0.09%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-12-11 16:42:45

End at: 2019-12-11 16:43:15

Local clock offset: -5.994 ms

Remote clock offset: 0.686 ms

Below is generated by plot.py at 2019-12-11 17:15:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.09 Mbit/s

95th percentile per-packet one-way delay: 5.297 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 47.13 Mbit/s

95th percentile per-packet one-way delay: 5.134 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 17.72 Mbit/s

95th percentile per-packet one-way delay: 4.694 ms

Loss rate: 0.01%

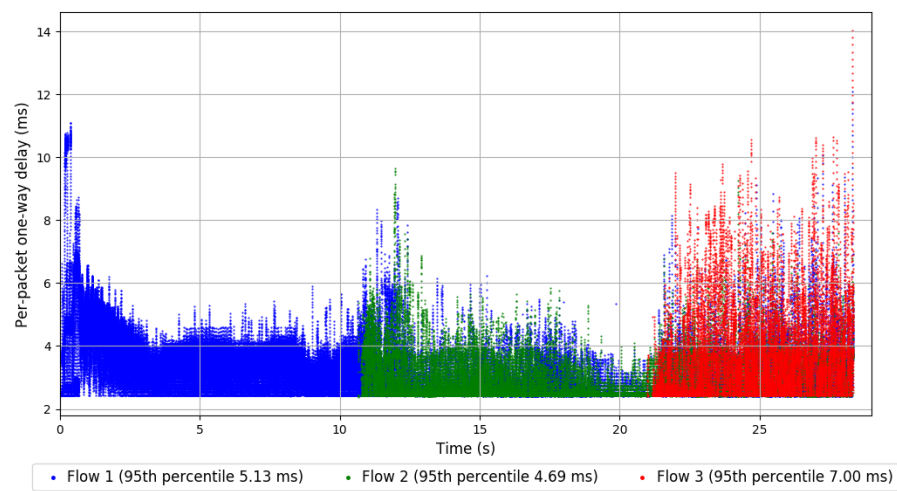
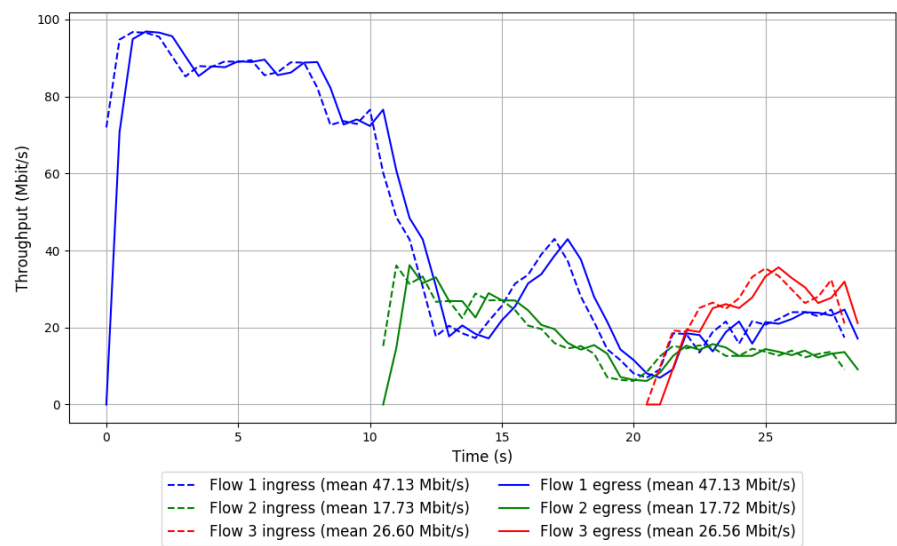
-- Flow 3:

Average throughput: 26.56 Mbit/s

95th percentile per-packet one-way delay: 7.000 ms

Loss rate: 0.17%

Run 5: Report of Indigo-MusesC3 — Data Link

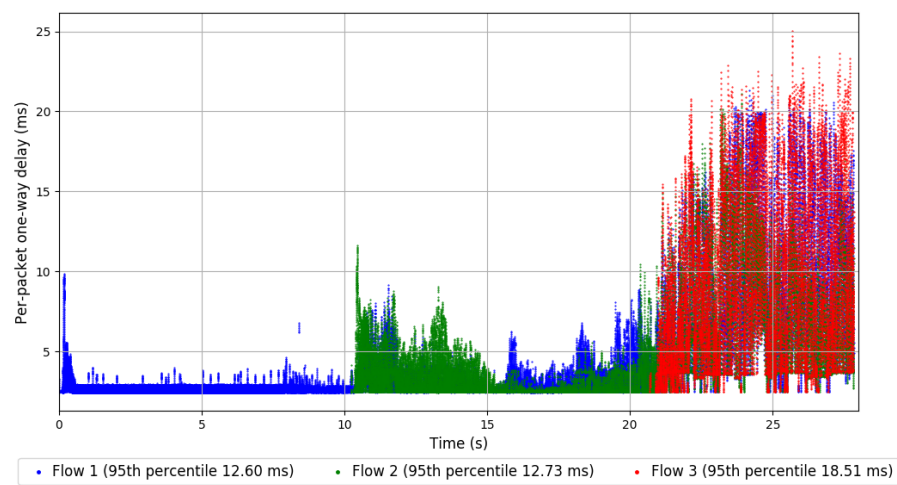
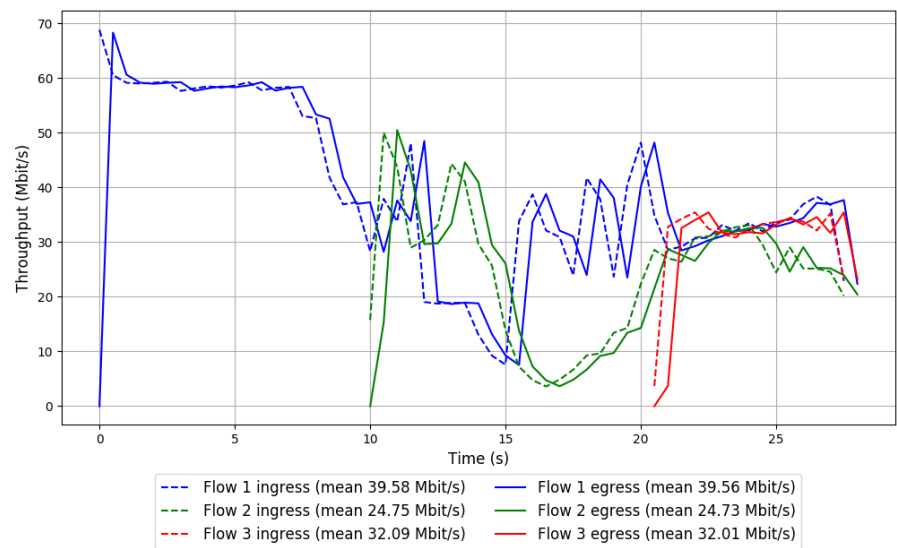


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-12-11 14:55:03
End at: 2019-12-11 14:55:33
Local clock offset: -6.989 ms
Remote clock offset: -0.234 ms

Below is generated by plot.py at 2019-12-11 17:15:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.43 Mbit/s
95th percentile per-packet one-way delay: 14.556 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 39.56 Mbit/s
95th percentile per-packet one-way delay: 12.596 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 24.73 Mbit/s
95th percentile per-packet one-way delay: 12.732 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 32.01 Mbit/s
95th percentile per-packet one-way delay: 18.509 ms
Loss rate: 0.17%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-12-11 15:22:31

End at: 2019-12-11 15:23:01

Local clock offset: -6.39 ms

Remote clock offset: 0.248 ms

Below is generated by plot.py at 2019-12-11 17:15:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 50.94 Mbit/s

95th percentile per-packet one-way delay: 15.569 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 25.84 Mbit/s

95th percentile per-packet one-way delay: 15.047 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 26.12 Mbit/s

95th percentile per-packet one-way delay: 12.282 ms

Loss rate: 0.01%

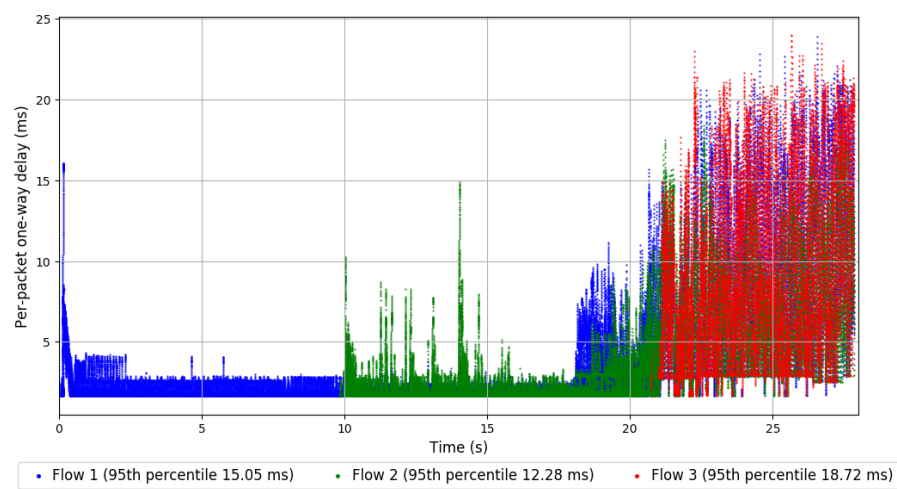
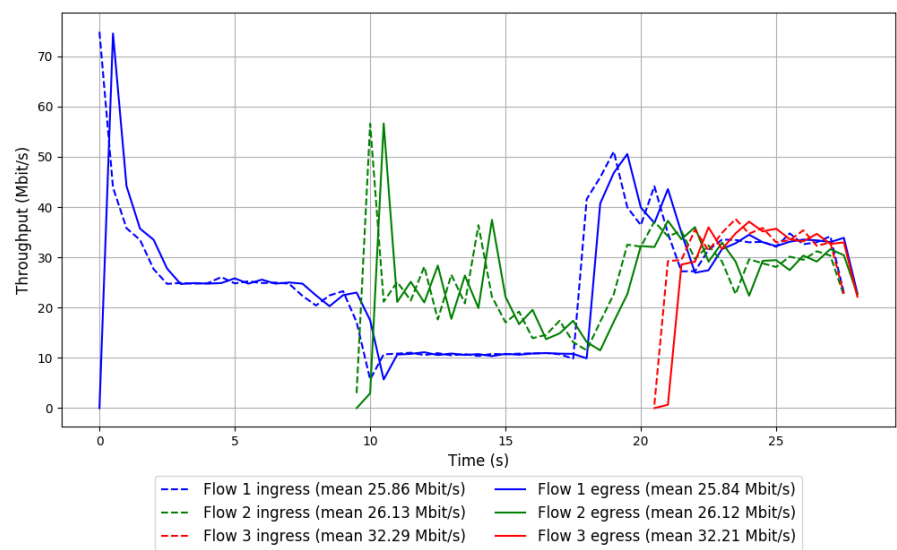
-- Flow 3:

Average throughput: 32.21 Mbit/s

95th percentile per-packet one-way delay: 18.720 ms

Loss rate: 0.25%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-12-11 15:49:59

End at: 2019-12-11 15:50:29

Local clock offset: -6.044 ms

Remote clock offset: 0.599 ms

Below is generated by plot.py at 2019-12-11 17:15:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 54.87 Mbit/s

95th percentile per-packet one-way delay: 14.753 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 26.96 Mbit/s

95th percentile per-packet one-way delay: 11.424 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 31.11 Mbit/s

95th percentile per-packet one-way delay: 14.496 ms

Loss rate: 0.04%

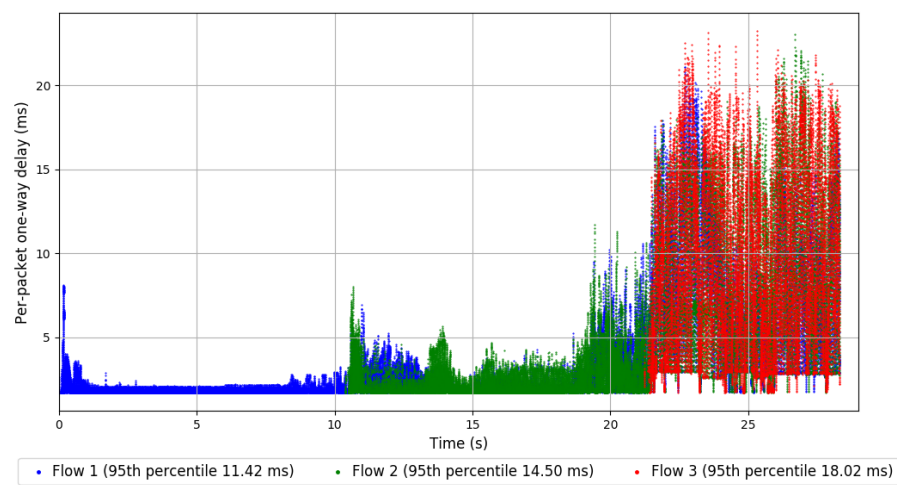
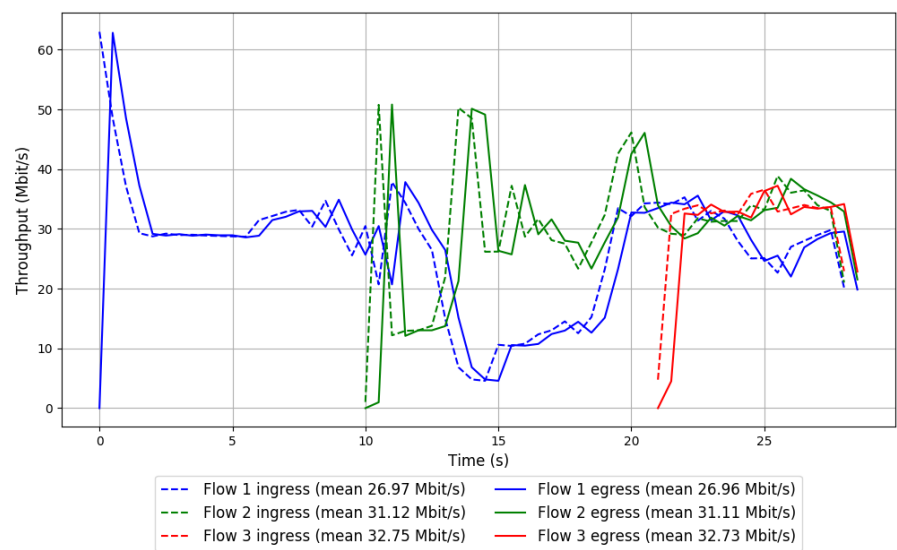
-- Flow 3:

Average throughput: 32.73 Mbit/s

95th percentile per-packet one-way delay: 18.021 ms

Loss rate: 0.13%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-12-11 16:17:30

End at: 2019-12-11 16:18:00

Local clock offset: -6.596 ms

Remote clock offset: 0.667 ms

Below is generated by plot.py at 2019-12-11 17:15:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.40 Mbit/s

95th percentile per-packet one-way delay: 12.758 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 29.66 Mbit/s

95th percentile per-packet one-way delay: 11.760 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 23.01 Mbit/s

95th percentile per-packet one-way delay: 10.392 ms

Loss rate: 0.12%

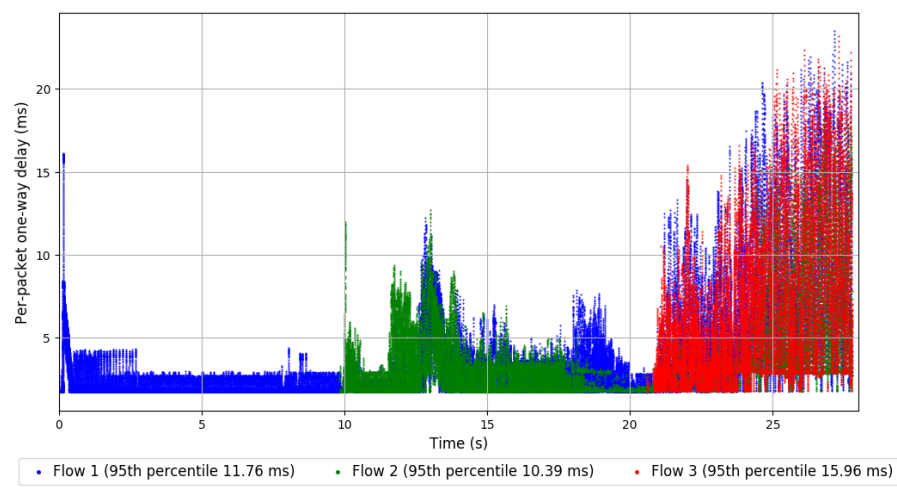
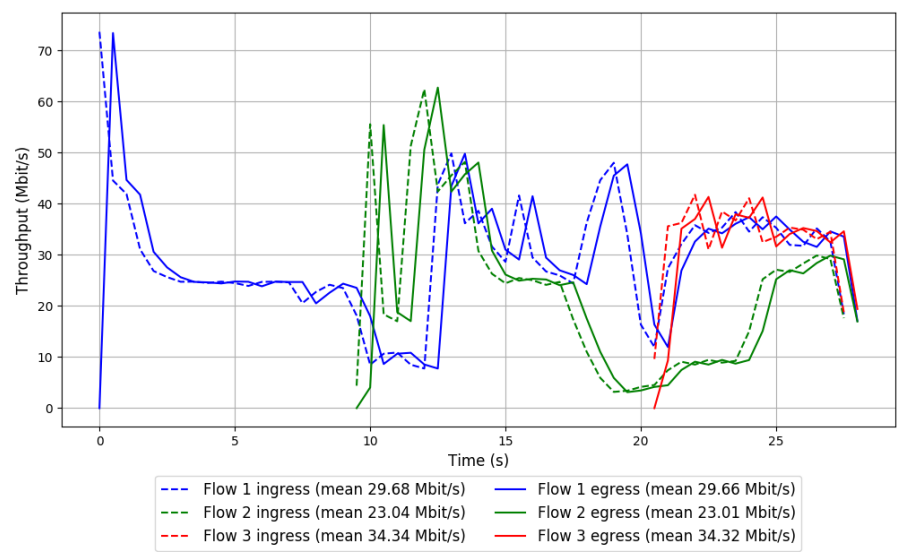
-- Flow 3:

Average throughput: 34.32 Mbit/s

95th percentile per-packet one-way delay: 15.964 ms

Loss rate: 0.10%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-12-11 16:45:02

End at: 2019-12-11 16:45:32

Local clock offset: -5.889 ms

Remote clock offset: 0.699 ms

Below is generated by plot.py at 2019-12-11 17:15:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.07 Mbit/s

95th percentile per-packet one-way delay: 16.765 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 39.02 Mbit/s

95th percentile per-packet one-way delay: 14.453 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 31.88 Mbit/s

95th percentile per-packet one-way delay: 16.921 ms

Loss rate: 0.11%

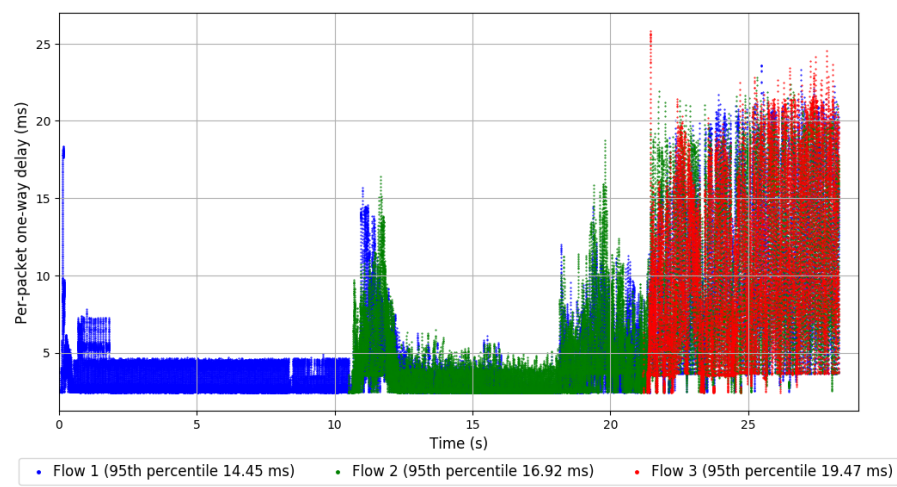
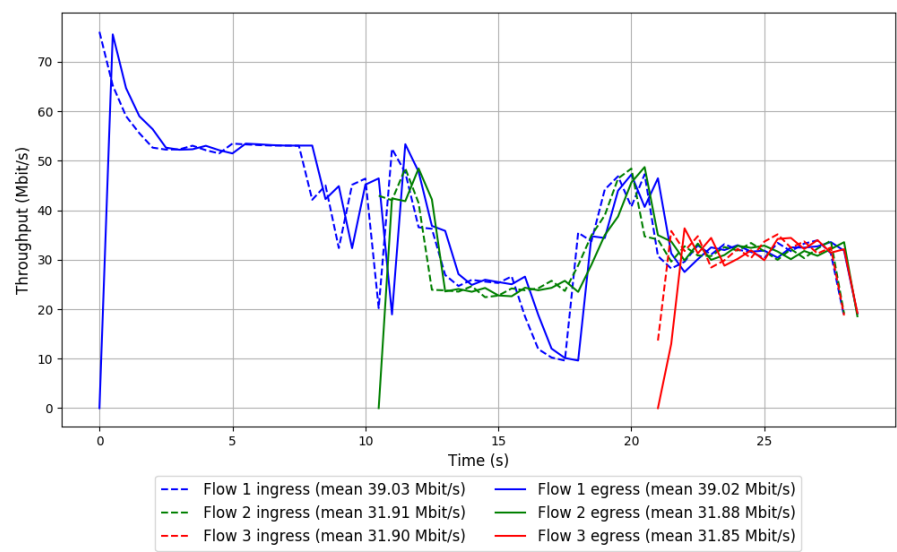
-- Flow 3:

Average throughput: 31.85 Mbit/s

95th percentile per-packet one-way delay: 19.467 ms

Loss rate: 0.19%

Run 5: Report of Indigo-MusesC5 — Data Link

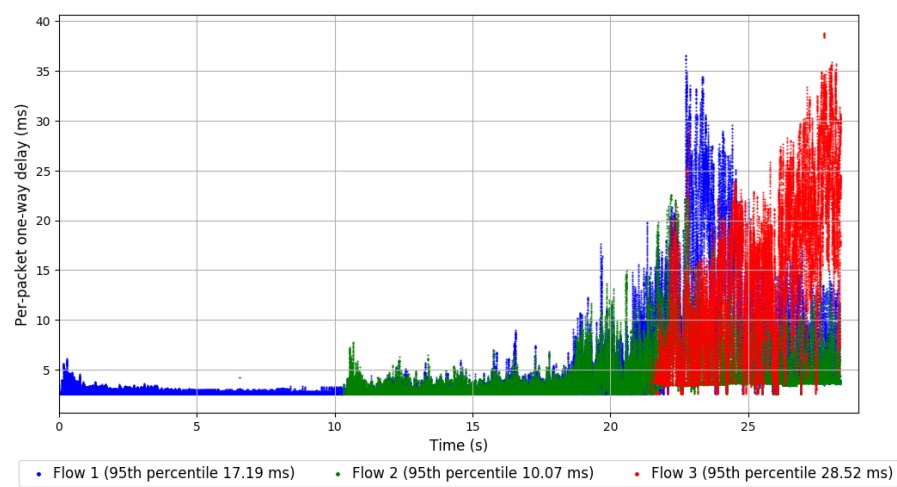
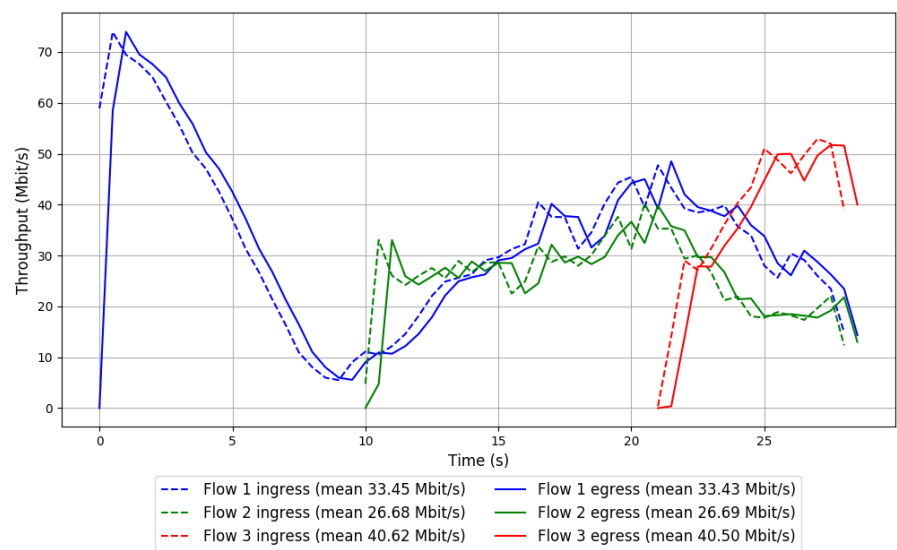


Run 1: Statistics of Indigo-MusesD

Start at: 2019-12-11 14:59:40
End at: 2019-12-11 15:00:10
Local clock offset: -7.049 ms
Remote clock offset: -0.264 ms

Below is generated by plot.py at 2019-12-11 17:15:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.29 Mbit/s
95th percentile per-packet one-way delay: 21.289 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 33.43 Mbit/s
95th percentile per-packet one-way delay: 17.191 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 26.69 Mbit/s
95th percentile per-packet one-way delay: 10.067 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 40.50 Mbit/s
95th percentile per-packet one-way delay: 28.520 ms
Loss rate: 0.37%

Run 1: Report of Indigo-MusesD — Data Link

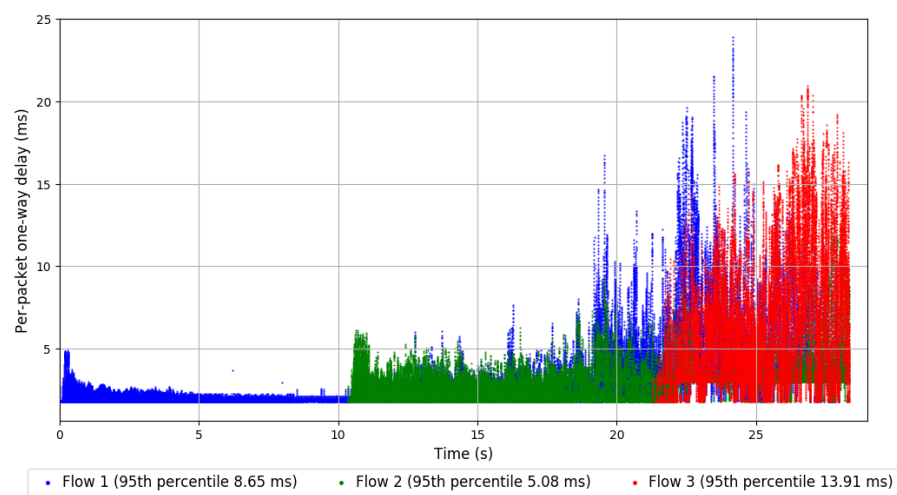
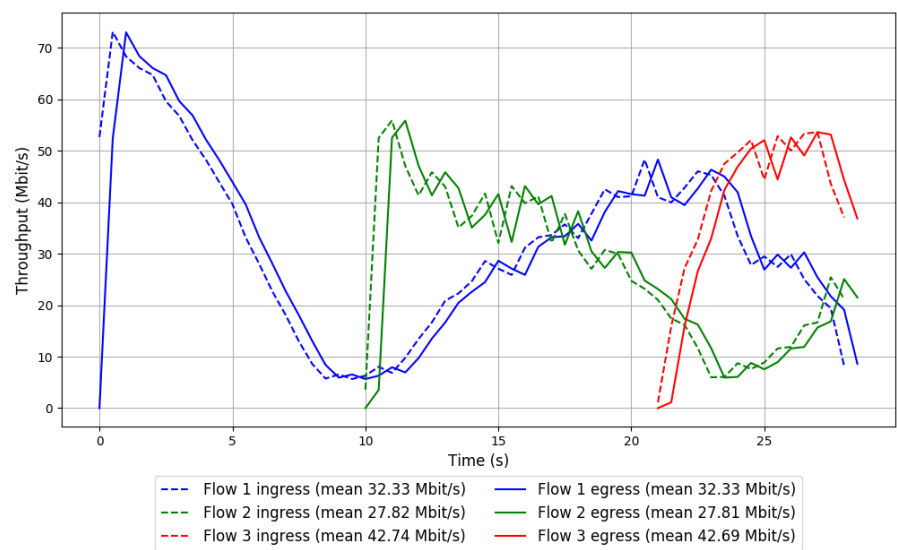


Run 2: Statistics of Indigo-MusesD

Start at: 2019-12-11 15:27:08
End at: 2019-12-11 15:27:38
Local clock offset: -6.265 ms
Remote clock offset: 0.176 ms

Below is generated by plot.py at 2019-12-11 17:16:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.61 Mbit/s
95th percentile per-packet one-way delay: 10.193 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 32.33 Mbit/s
95th percentile per-packet one-way delay: 8.652 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 27.81 Mbit/s
95th percentile per-packet one-way delay: 5.082 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 42.69 Mbit/s
95th percentile per-packet one-way delay: 13.913 ms
Loss rate: 0.14%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-12-11 15:54:35

End at: 2019-12-11 15:55:05

Local clock offset: -5.41 ms

Remote clock offset: 0.608 ms

Below is generated by plot.py at 2019-12-11 17:16:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.15 Mbit/s

95th percentile per-packet one-way delay: 23.576 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 40.56 Mbit/s

95th percentile per-packet one-way delay: 12.142 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 20.65 Mbit/s

95th percentile per-packet one-way delay: 20.435 ms

Loss rate: 0.24%

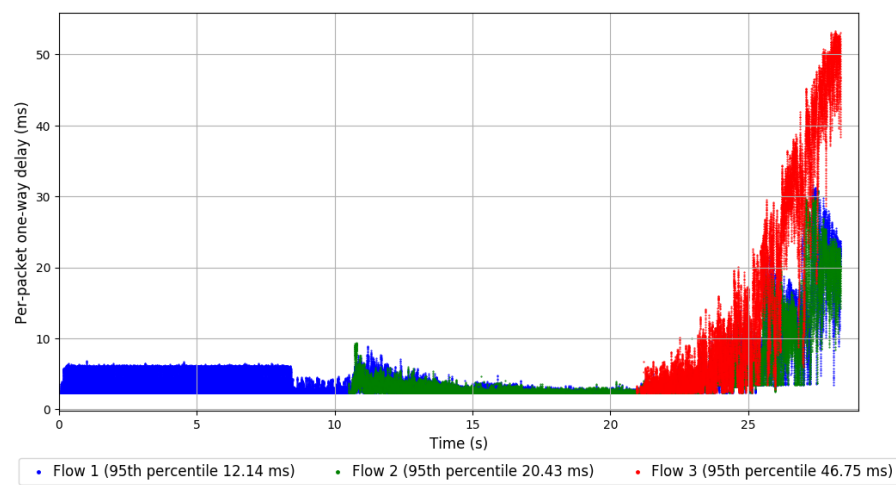
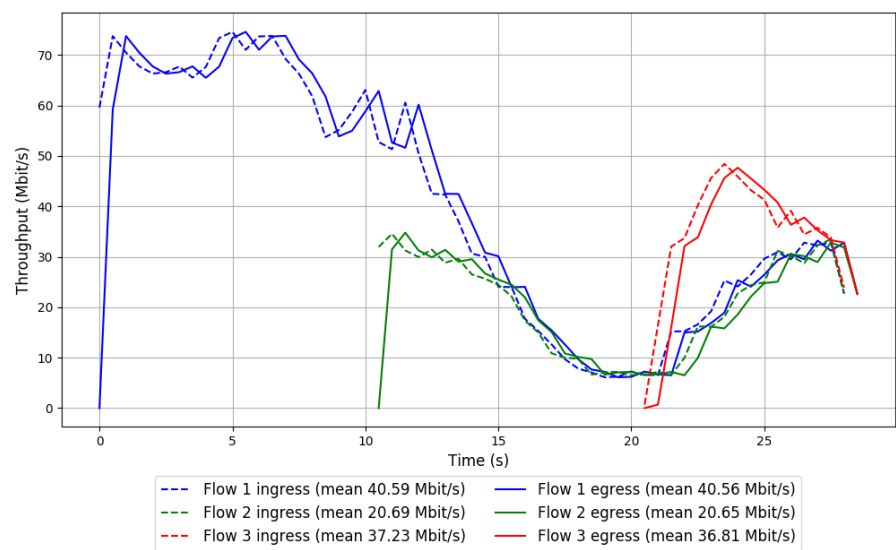
-- Flow 3:

Average throughput: 36.81 Mbit/s

95th percentile per-packet one-way delay: 46.746 ms

Loss rate: 1.14%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-12-11 16:22:06

End at: 2019-12-11 16:22:36

Local clock offset: -6.686 ms

Remote clock offset: 0.73 ms

Below is generated by plot.py at 2019-12-11 17:16:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 62.43 Mbit/s

95th percentile per-packet one-way delay: 31.512 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 32.44 Mbit/s

95th percentile per-packet one-way delay: 20.028 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 31.50 Mbit/s

95th percentile per-packet one-way delay: 9.881 ms

Loss rate: 0.03%

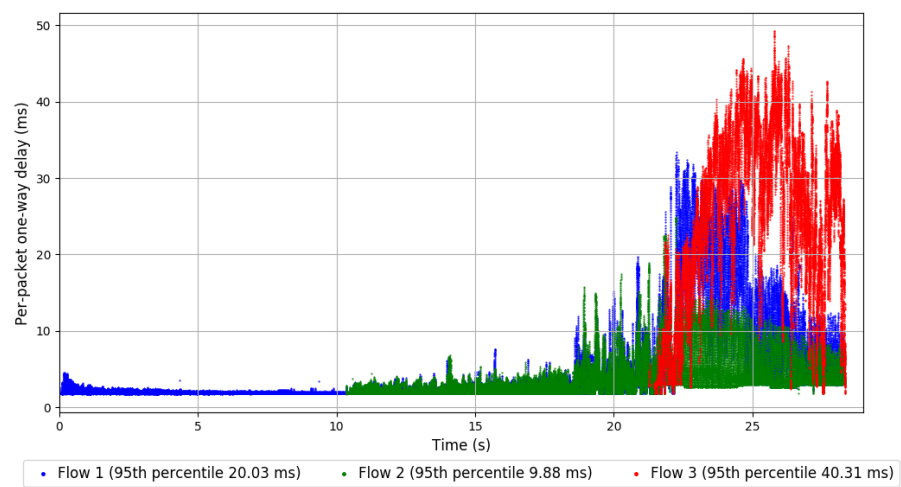
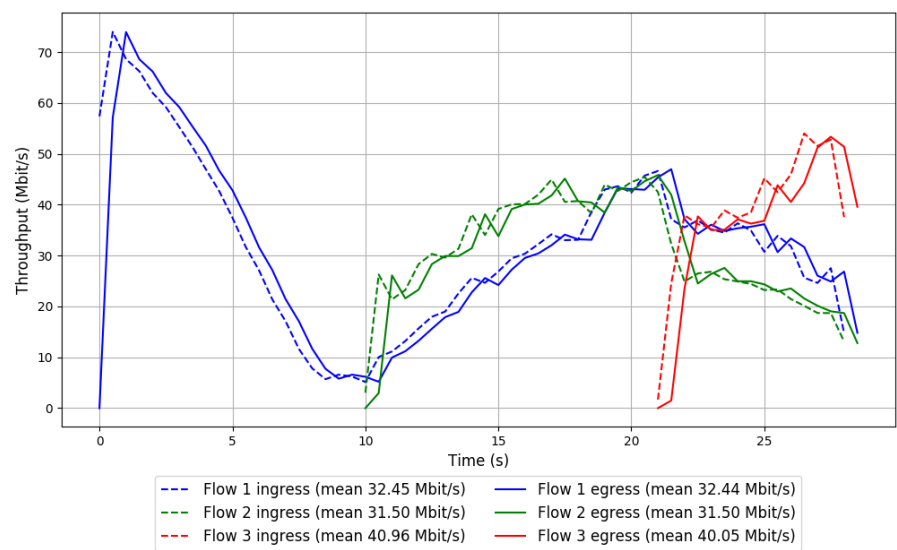
-- Flow 3:

Average throughput: 40.05 Mbit/s

95th percentile per-packet one-way delay: 40.306 ms

Loss rate: 2.23%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-12-11 16:49:39

End at: 2019-12-11 16:50:09

Local clock offset: -5.807 ms

Remote clock offset: 0.708 ms

Below is generated by plot.py at 2019-12-11 17:16:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.85 Mbit/s

95th percentile per-packet one-way delay: 28.462 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 42.05 Mbit/s

95th percentile per-packet one-way delay: 5.995 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 29.66 Mbit/s

95th percentile per-packet one-way delay: 10.922 ms

Loss rate: 0.03%

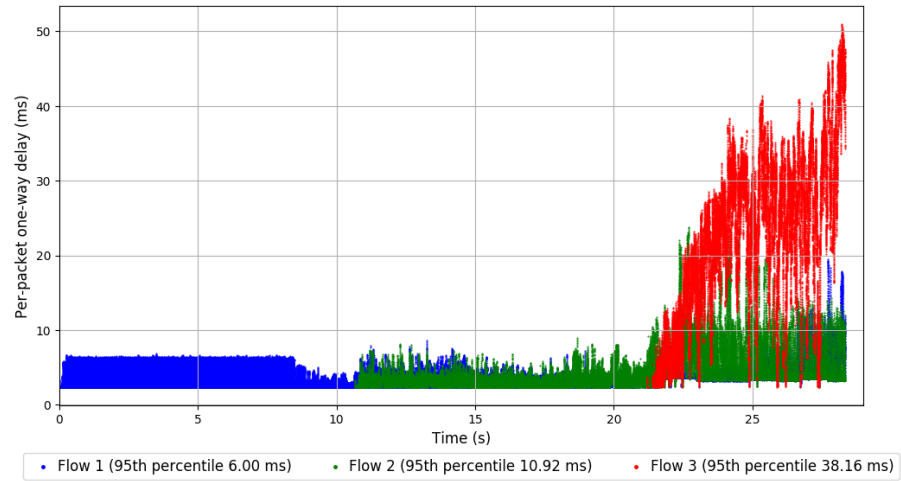
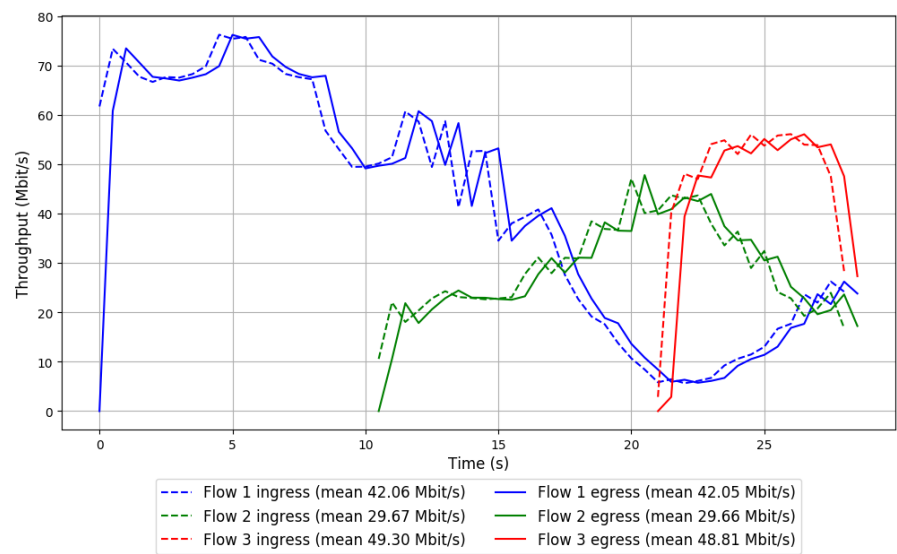
-- Flow 3:

Average throughput: 48.81 Mbit/s

95th percentile per-packet one-way delay: 38.165 ms

Loss rate: 1.01%

Run 5: Report of Indigo-MusesD — Data Link

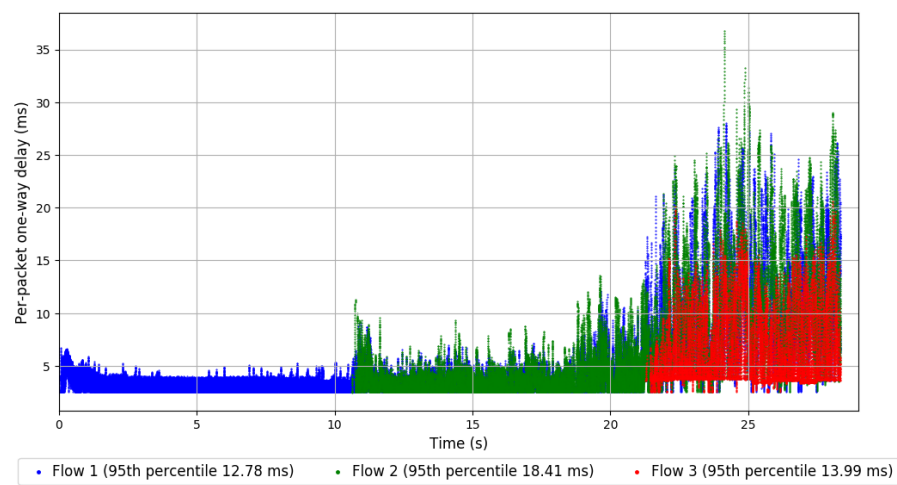
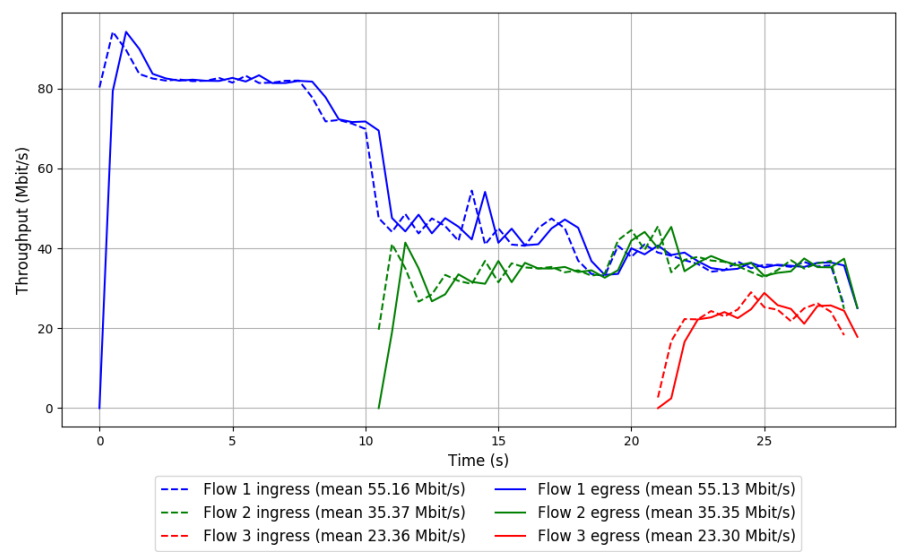


Run 1: Statistics of Indigo-MusesT

Start at: 2019-12-11 14:58:31
End at: 2019-12-11 14:59:01
Local clock offset: -7.007 ms
Remote clock offset: -0.233 ms

Below is generated by plot.py at 2019-12-11 17:16:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.04 Mbit/s
95th percentile per-packet one-way delay: 14.830 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 55.13 Mbit/s
95th percentile per-packet one-way delay: 12.782 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 35.35 Mbit/s
95th percentile per-packet one-way delay: 18.412 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 23.30 Mbit/s
95th percentile per-packet one-way delay: 13.990 ms
Loss rate: 0.25%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-12-11 15:25:59

End at: 2019-12-11 15:26:29

Local clock offset: -6.285 ms

Remote clock offset: 0.228 ms

Below is generated by plot.py at 2019-12-11 17:16:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.46 Mbit/s

95th percentile per-packet one-way delay: 11.268 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 54.25 Mbit/s

95th percentile per-packet one-way delay: 10.258 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 36.84 Mbit/s

95th percentile per-packet one-way delay: 13.489 ms

Loss rate: 0.04%

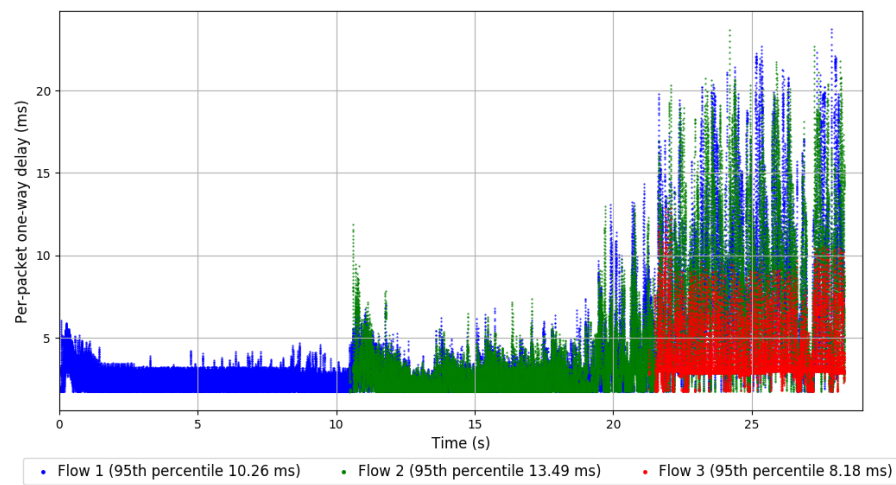
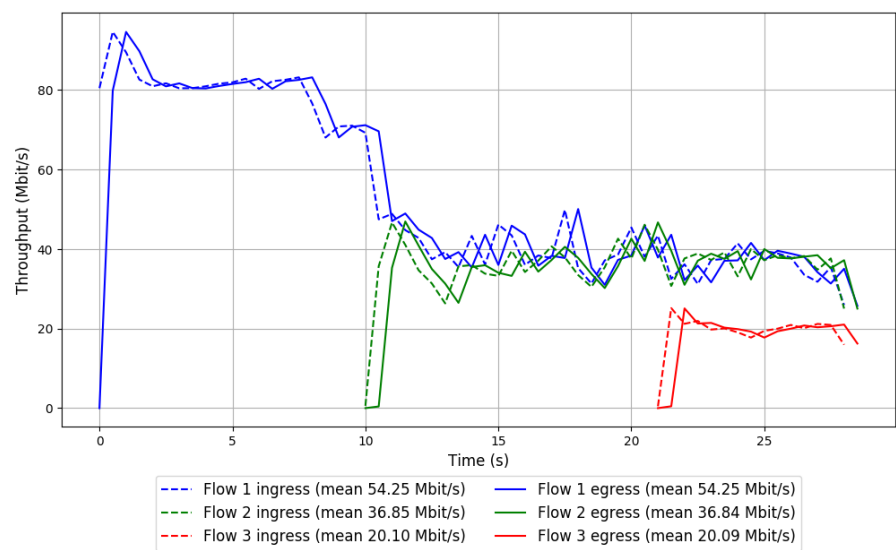
-- Flow 3:

Average throughput: 20.09 Mbit/s

95th percentile per-packet one-way delay: 8.183 ms

Loss rate: 0.07%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-12-11 15:53:27

End at: 2019-12-11 15:53:57

Local clock offset: -5.409 ms

Remote clock offset: 0.661 ms

Below is generated by plot.py at 2019-12-11 17:16:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.66 Mbit/s

95th percentile per-packet one-way delay: 11.734 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 56.19 Mbit/s

95th percentile per-packet one-way delay: 10.093 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 38.00 Mbit/s

95th percentile per-packet one-way delay: 14.590 ms

Loss rate: 0.04%

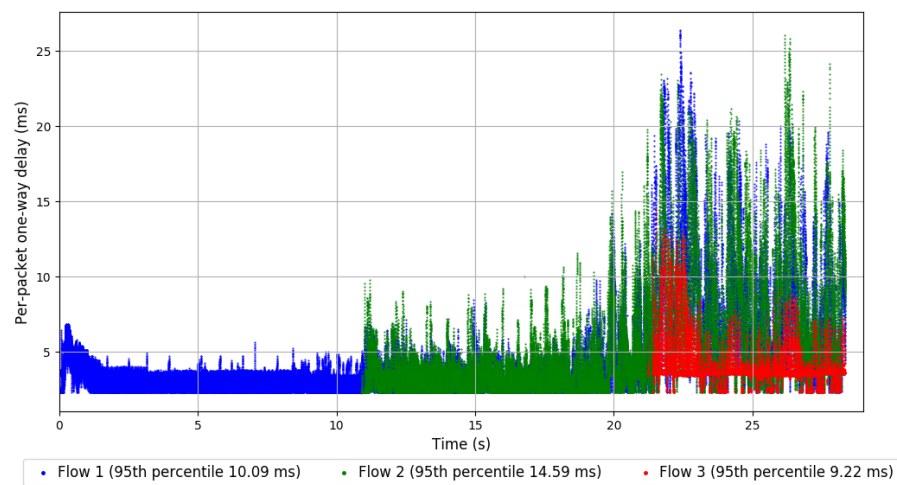
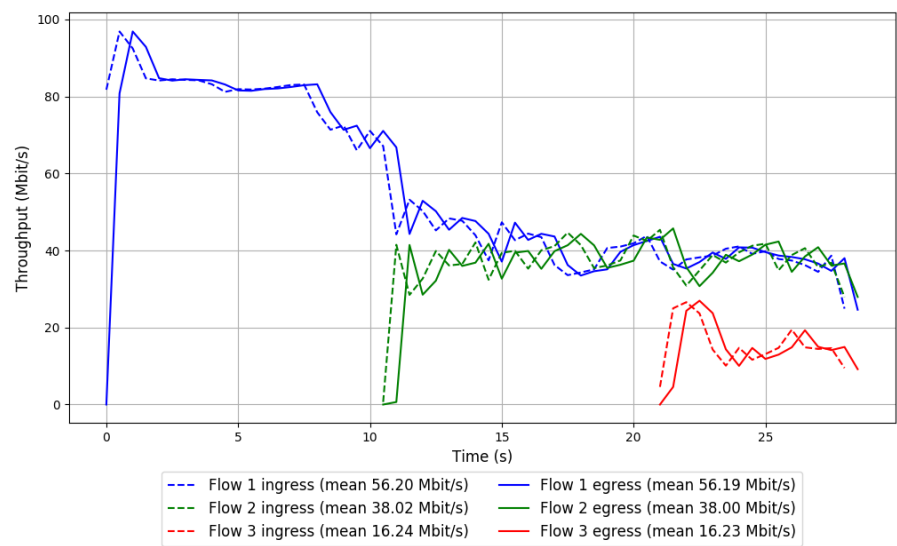
-- Flow 3:

Average throughput: 16.23 Mbit/s

95th percentile per-packet one-way delay: 9.221 ms

Loss rate: 0.13%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-12-11 16:20:57

End at: 2019-12-11 16:21:27

Local clock offset: -5.962 ms

Remote clock offset: 0.778 ms

Below is generated by plot.py at 2019-12-11 17:16:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.38 Mbit/s

95th percentile per-packet one-way delay: 11.453 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 51.19 Mbit/s

95th percentile per-packet one-way delay: 10.651 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 36.75 Mbit/s

95th percentile per-packet one-way delay: 13.290 ms

Loss rate: 0.04%

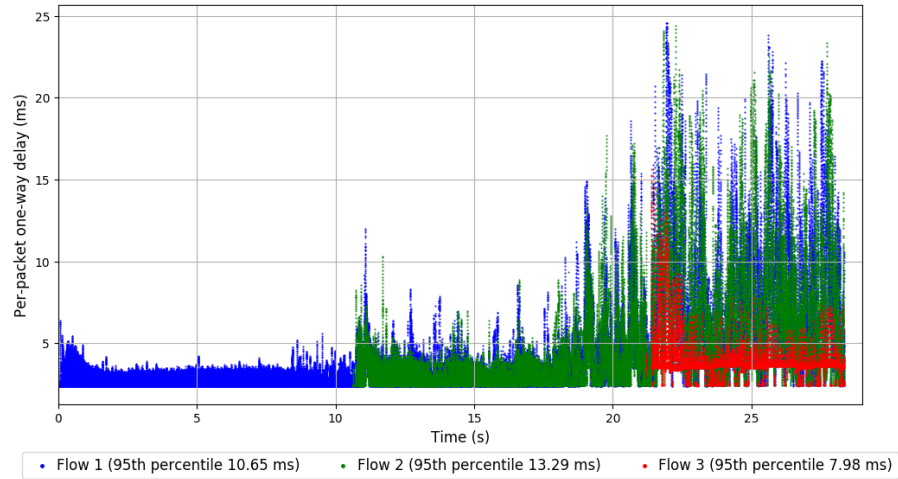
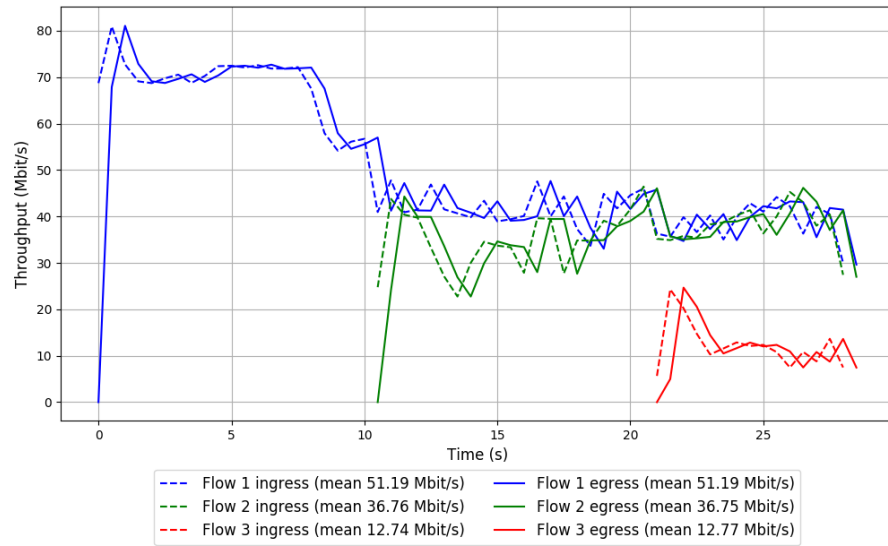
-- Flow 3:

Average throughput: 12.77 Mbit/s

95th percentile per-packet one-way delay: 7.980 ms

Loss rate: 0.06%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-12-11 16:48:30

End at: 2019-12-11 16:49:00

Local clock offset: -6.502 ms

Remote clock offset: 0.74 ms

Below is generated by plot.py at 2019-12-11 17:16:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.16 Mbit/s

95th percentile per-packet one-way delay: 15.243 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 55.15 Mbit/s

95th percentile per-packet one-way delay: 12.420 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 35.32 Mbit/s

95th percentile per-packet one-way delay: 16.438 ms

Loss rate: 0.13%

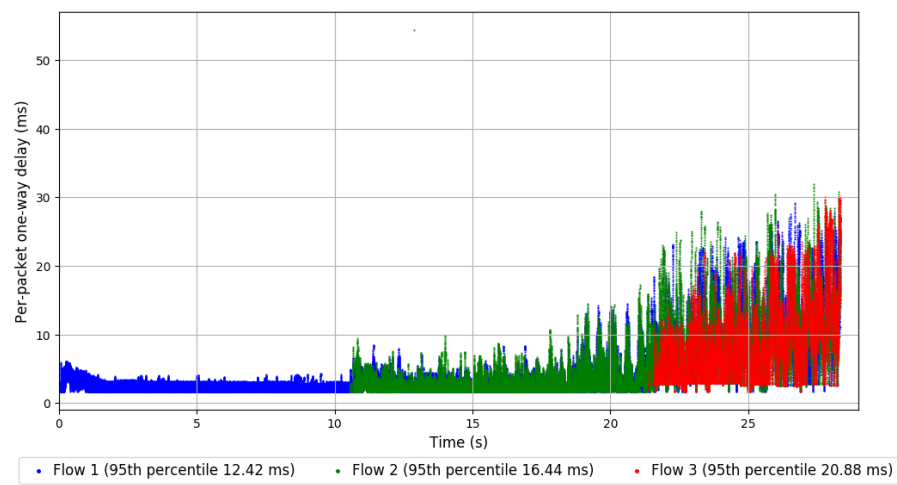
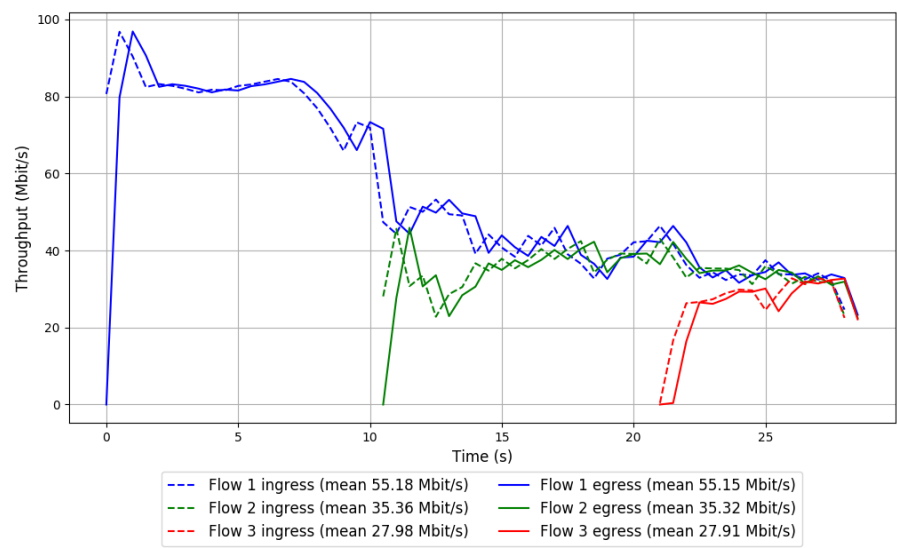
-- Flow 3:

Average throughput: 27.91 Mbit/s

95th percentile per-packet one-way delay: 20.875 ms

Loss rate: 0.31%

Run 5: Report of Indigo-MusesT — Data Link

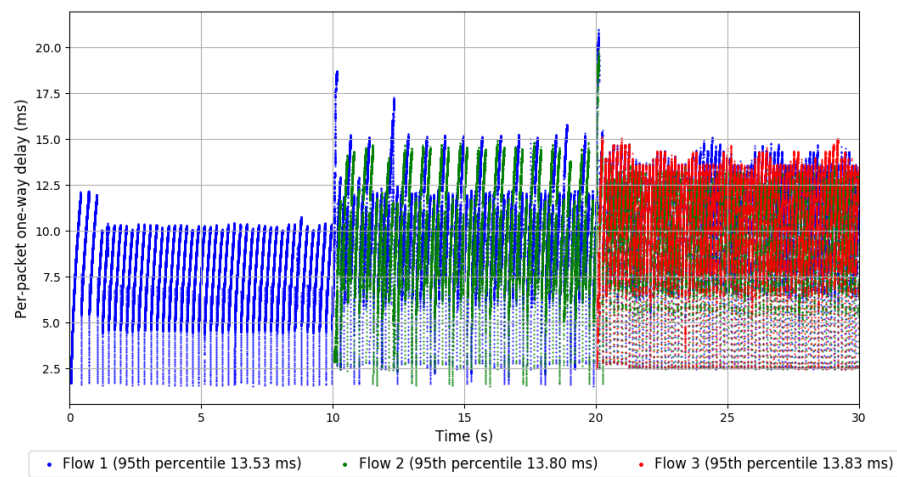
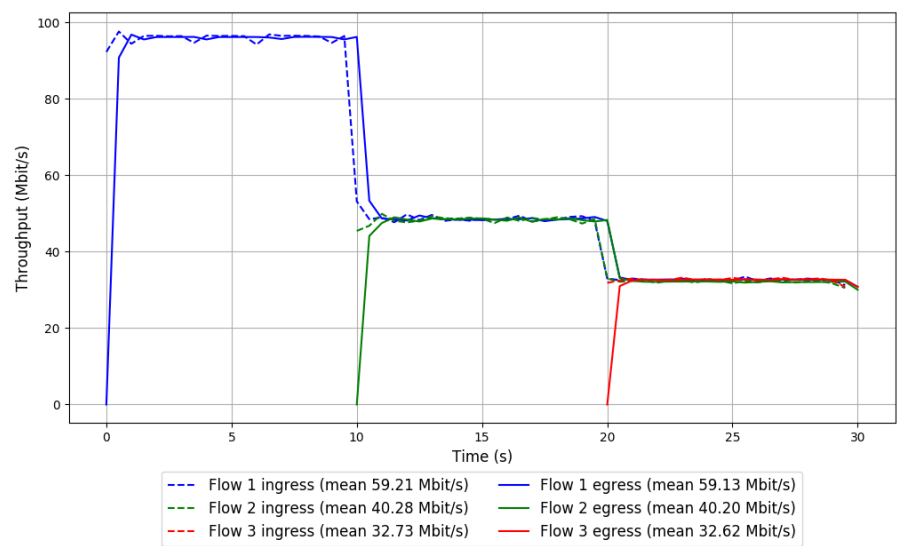


```
Run 1: Statistics of LEDBAT

Start at: 2019-12-11 15:09:48
End at: 2019-12-11 15:10:18
Local clock offset: -7.623 ms
Remote clock offset: 0.013 ms

# Below is generated by plot.py at 2019-12-11 17:17:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.75 Mbit/s
95th percentile per-packet one-way delay: 13.703 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 59.13 Mbit/s
95th percentile per-packet one-way delay: 13.531 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 40.20 Mbit/s
95th percentile per-packet one-way delay: 13.798 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 32.62 Mbit/s
95th percentile per-packet one-way delay: 13.827 ms
Loss rate: 0.35%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-12-11 15:37:16

End at: 2019-12-11 15:37:46

Local clock offset: -5.413 ms

Remote clock offset: 0.34 ms

Below is generated by plot.py at 2019-12-11 17:17:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.74 Mbit/s

95th percentile per-packet one-way delay: 14.637 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 59.16 Mbit/s

95th percentile per-packet one-way delay: 14.429 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 40.17 Mbit/s

95th percentile per-packet one-way delay: 14.711 ms

Loss rate: 0.22%

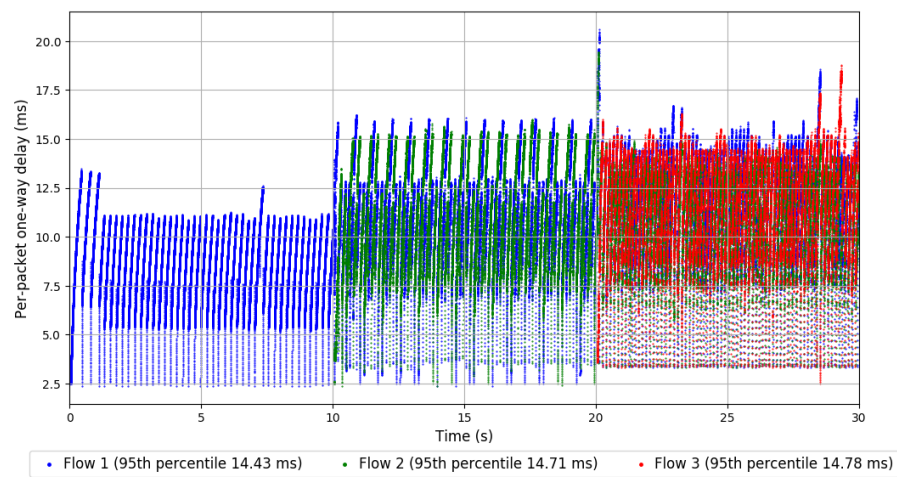
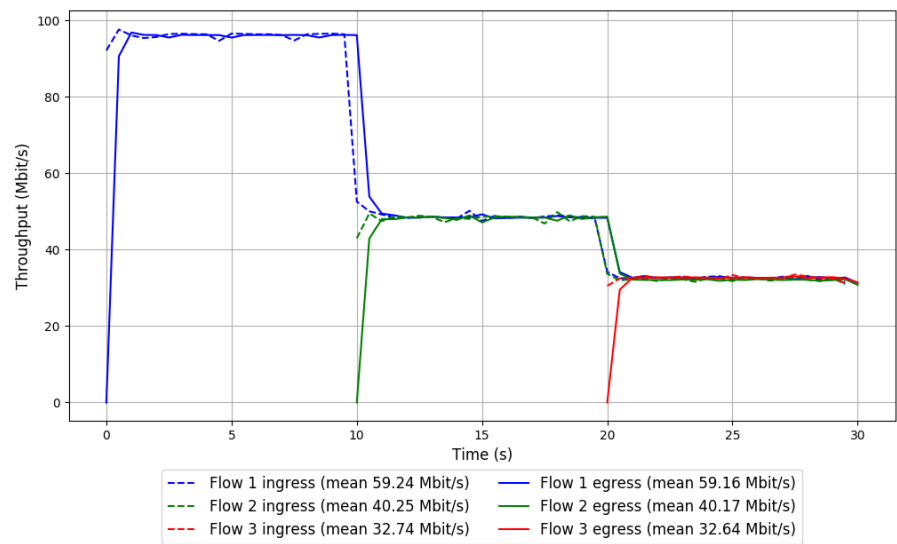
-- Flow 3:

Average throughput: 32.64 Mbit/s

95th percentile per-packet one-way delay: 14.781 ms

Loss rate: 0.33%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-12-11 16:04:46

End at: 2019-12-11 16:05:16

Local clock offset: -5.319 ms

Remote clock offset: 0.722 ms

Below is generated by plot.py at 2019-12-11 17:17:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.87 Mbit/s

95th percentile per-packet one-way delay: 14.586 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 59.15 Mbit/s

95th percentile per-packet one-way delay: 14.420 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 40.68 Mbit/s

95th percentile per-packet one-way delay: 15.019 ms

Loss rate: 0.24%

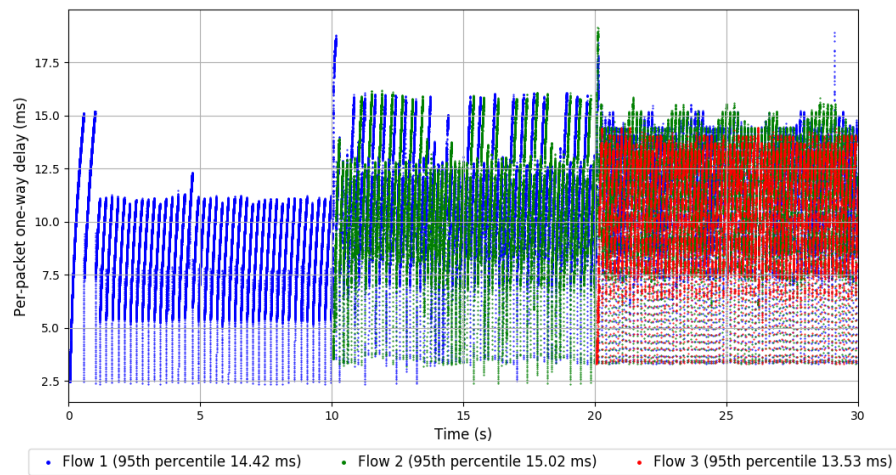
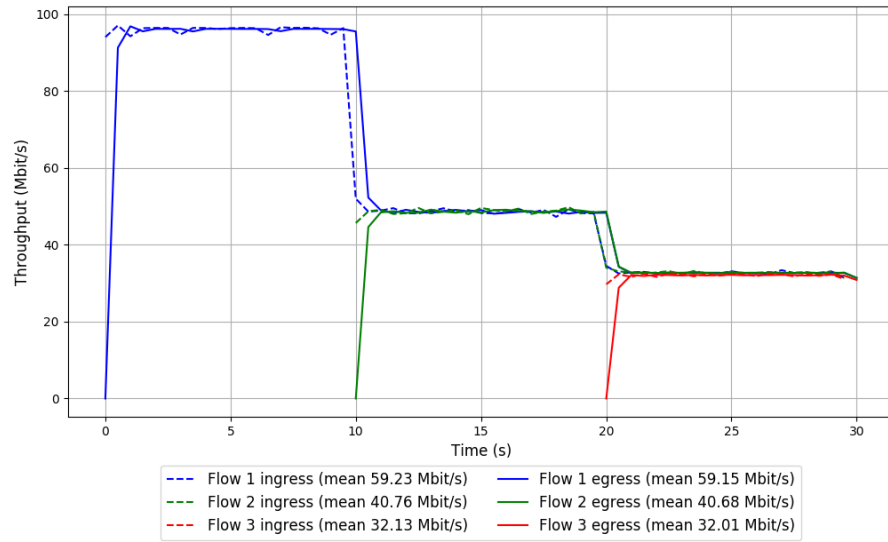
-- Flow 3:

Average throughput: 32.01 Mbit/s

95th percentile per-packet one-way delay: 13.527 ms

Loss rate: 0.37%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-12-11 16:32:16

End at: 2019-12-11 16:32:46

Local clock offset: -6.87 ms

Remote clock offset: 0.716 ms

Below is generated by plot.py at 2019-12-11 17:17:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.52 Mbit/s

95th percentile per-packet one-way delay: 13.875 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 58.71 Mbit/s

95th percentile per-packet one-way delay: 13.311 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 40.72 Mbit/s

95th percentile per-packet one-way delay: 14.385 ms

Loss rate: 0.22%

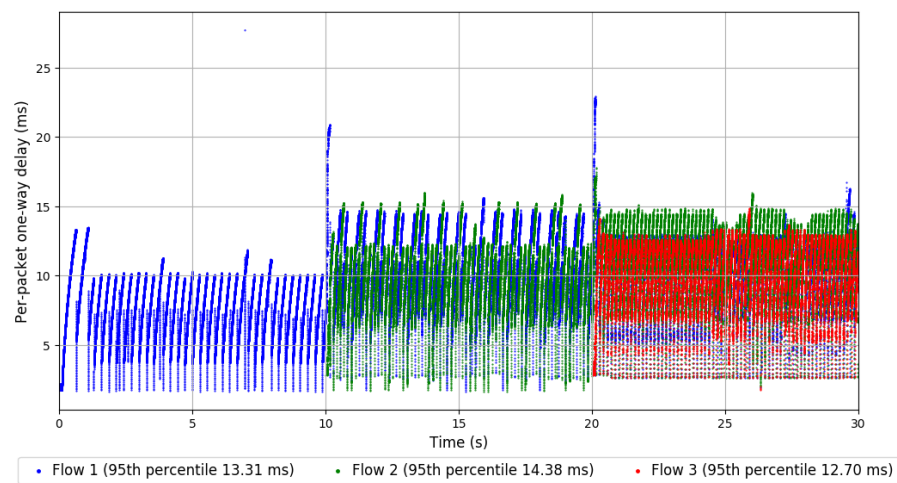
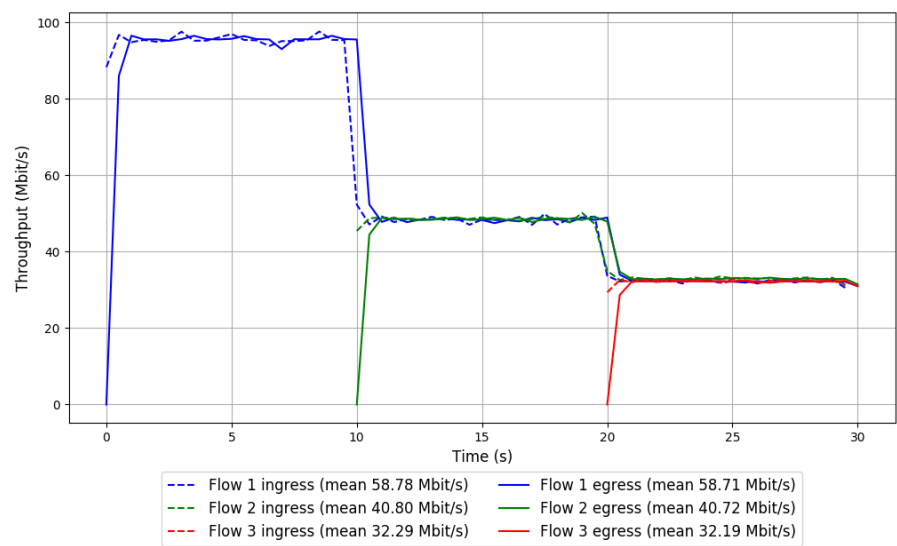
-- Flow 3:

Average throughput: 32.19 Mbit/s

95th percentile per-packet one-way delay: 12.703 ms

Loss rate: 0.38%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-12-11 16:59:50

End at: 2019-12-11 17:00:20

Local clock offset: -6.342 ms

Remote clock offset: 0.724 ms

Below is generated by plot.py at 2019-12-11 17:17:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.71 Mbit/s

95th percentile per-packet one-way delay: 14.026 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 58.87 Mbit/s

95th percentile per-packet one-way delay: 13.635 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 40.44 Mbit/s

95th percentile per-packet one-way delay: 14.193 ms

Loss rate: 0.20%

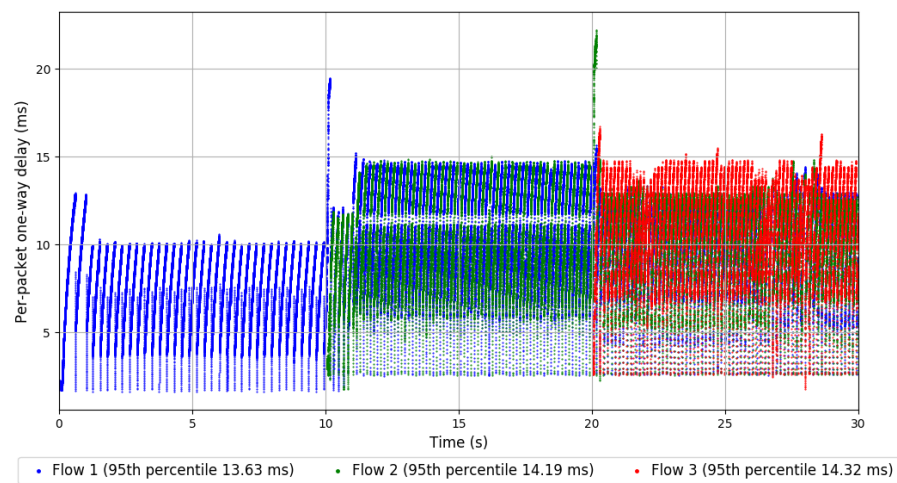
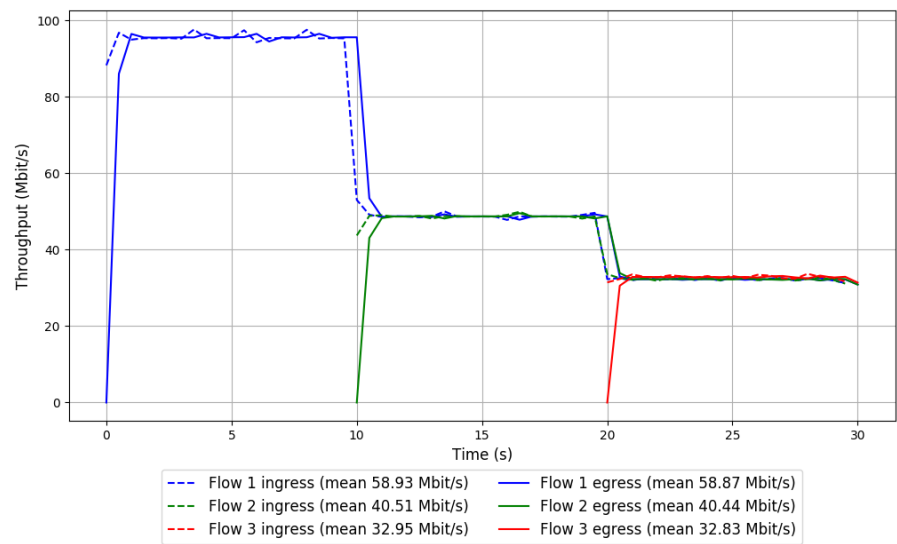
-- Flow 3:

Average throughput: 32.83 Mbit/s

95th percentile per-packet one-way delay: 14.325 ms

Loss rate: 0.38%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of Muses_DecisionTree

Start at: 2019-12-11 15:12:09

End at: 2019-12-11 15:12:39

Local clock offset: -6.602 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2019-12-11 17:17:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.64 Mbit/s

95th percentile per-packet one-way delay: 2.557 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 5.82 Mbit/s

95th percentile per-packet one-way delay: 2.563 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 5.45 Mbit/s

95th percentile per-packet one-way delay: 2.565 ms

Loss rate: 0.02%

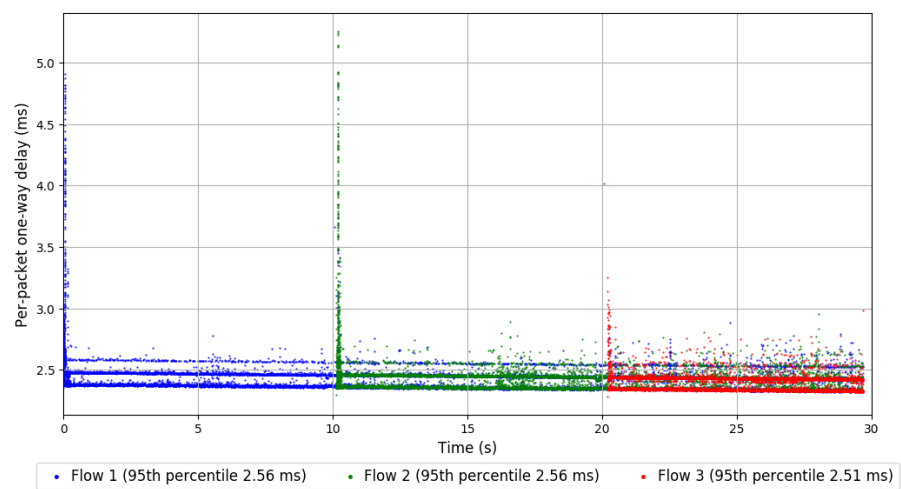
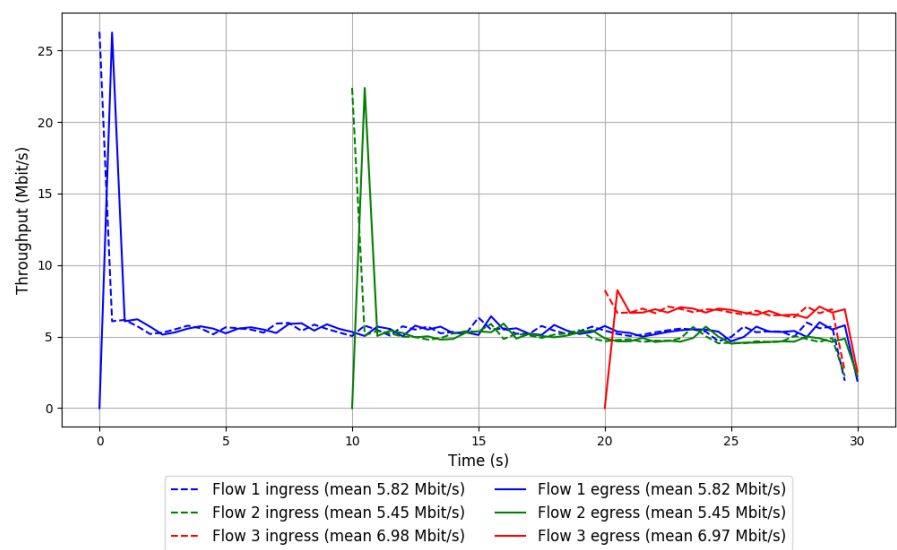
-- Flow 3:

Average throughput: 6.97 Mbit/s

95th percentile per-packet one-way delay: 2.513 ms

Loss rate: 0.02%

Run 1: Report of Muses_DecisionTree — Data Link



Run 2: Statistics of Muses_DecisionTree

Start at: 2019-12-11 15:39:35

End at: 2019-12-11 15:40:05

Local clock offset: -6.089 ms

Remote clock offset: 0.376 ms

Below is generated by plot.py at 2019-12-11 17:17:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 22.09 Mbit/s

95th percentile per-packet one-way delay: 1.972 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 16.86 Mbit/s

95th percentile per-packet one-way delay: 1.928 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 5.25 Mbit/s

95th percentile per-packet one-way delay: 2.008 ms

Loss rate: 0.00%

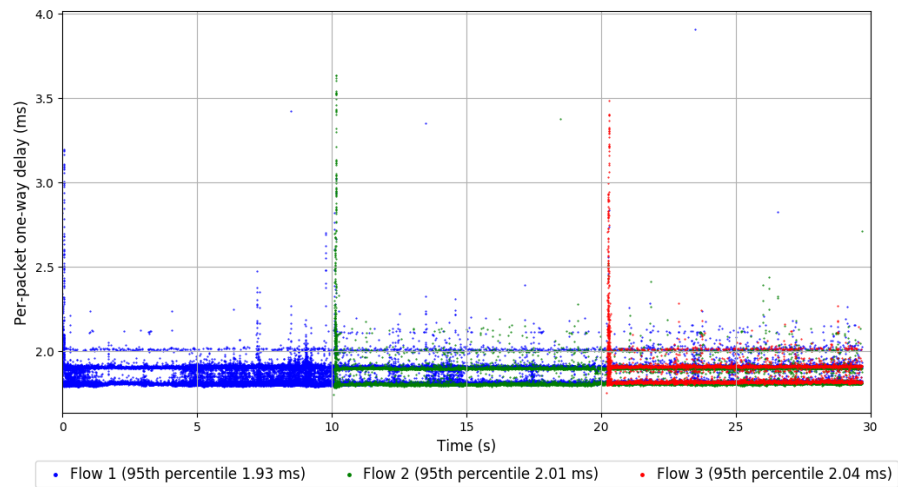
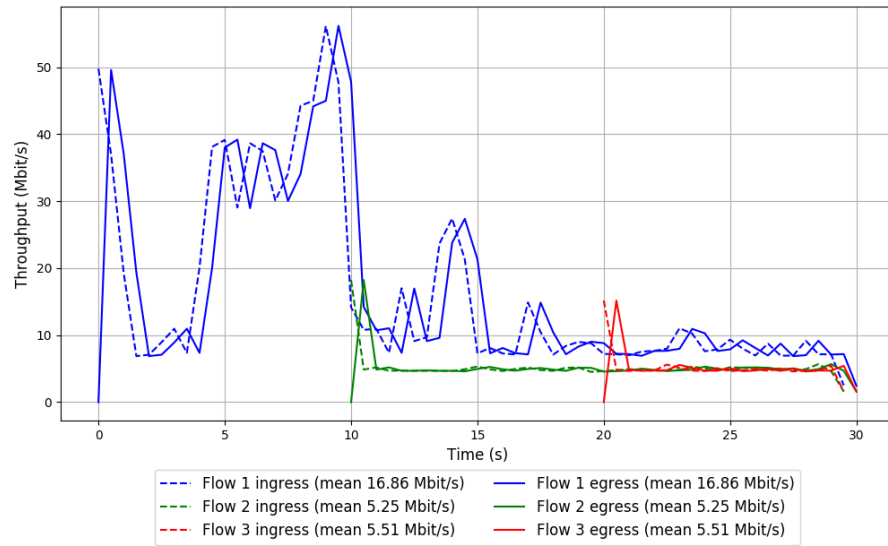
-- Flow 3:

Average throughput: 5.51 Mbit/s

95th percentile per-packet one-way delay: 2.043 ms

Loss rate: 0.00%

Run 2: Report of Muses_DecisionTree — Data Link



Run 3: Statistics of Muses_DecisionTree

Start at: 2019-12-11 16:07:07

End at: 2019-12-11 16:07:37

Local clock offset: -6.015 ms

Remote clock offset: 0.784 ms

Below is generated by plot.py at 2019-12-11 17:17:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.25 Mbit/s

95th percentile per-packet one-way delay: 1.920 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 5.84 Mbit/s

95th percentile per-packet one-way delay: 1.919 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 5.39 Mbit/s

95th percentile per-packet one-way delay: 1.913 ms

Loss rate: 0.01%

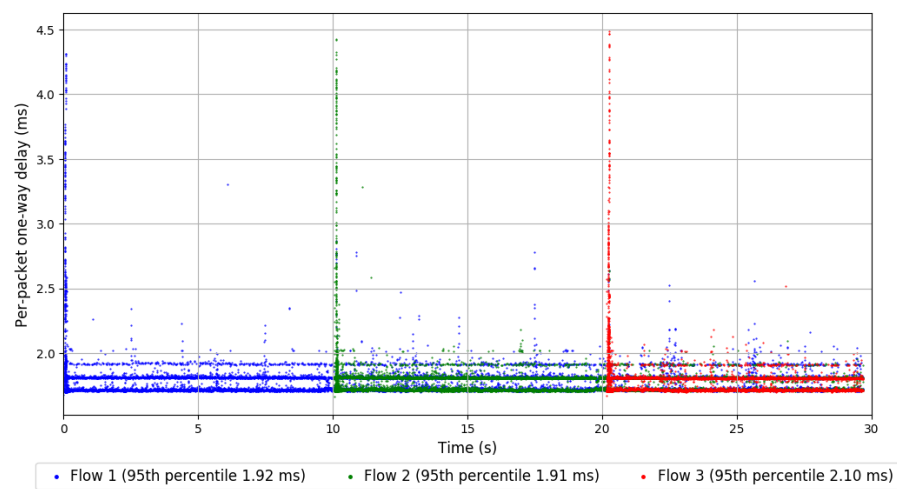
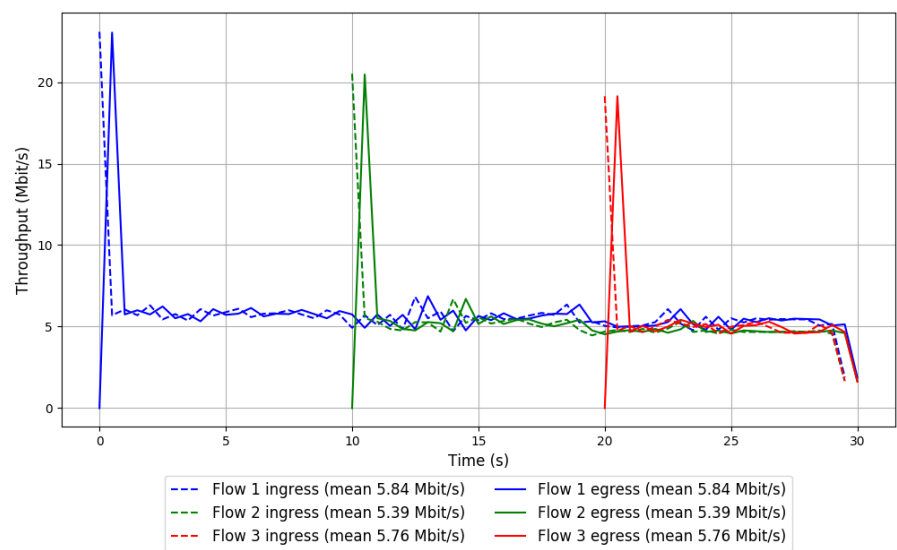
-- Flow 3:

Average throughput: 5.76 Mbit/s

95th percentile per-packet one-way delay: 2.102 ms

Loss rate: 0.04%

Run 3: Report of Muses_DecisionTree — Data Link



Run 4: Statistics of Muses_DecisionTree

Start at: 2019-12-11 16:34:36

End at: 2019-12-11 16:35:06

Local clock offset: -6.897 ms

Remote clock offset: 0.741 ms

Below is generated by plot.py at 2019-12-11 17:17:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 28.99 Mbit/s

95th percentile per-packet one-way delay: 1.894 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 23.42 Mbit/s

95th percentile per-packet one-way delay: 1.848 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 5.33 Mbit/s

95th percentile per-packet one-way delay: 1.997 ms

Loss rate: 0.02%

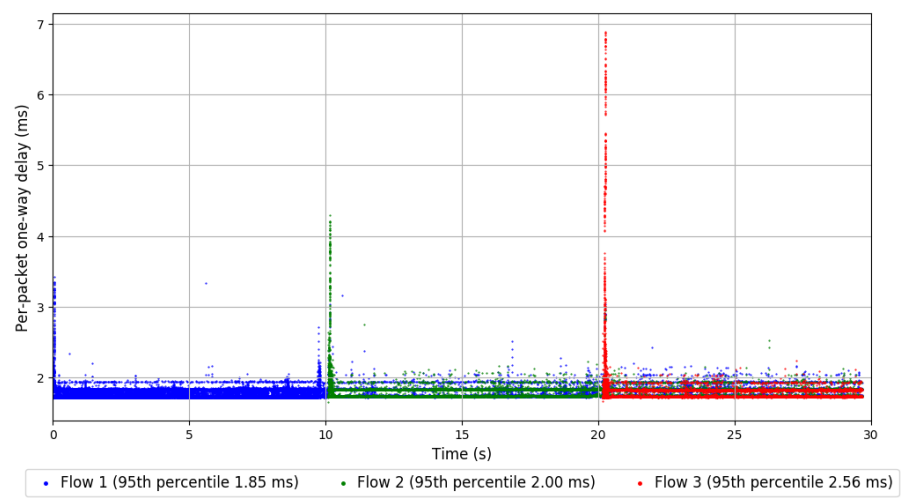
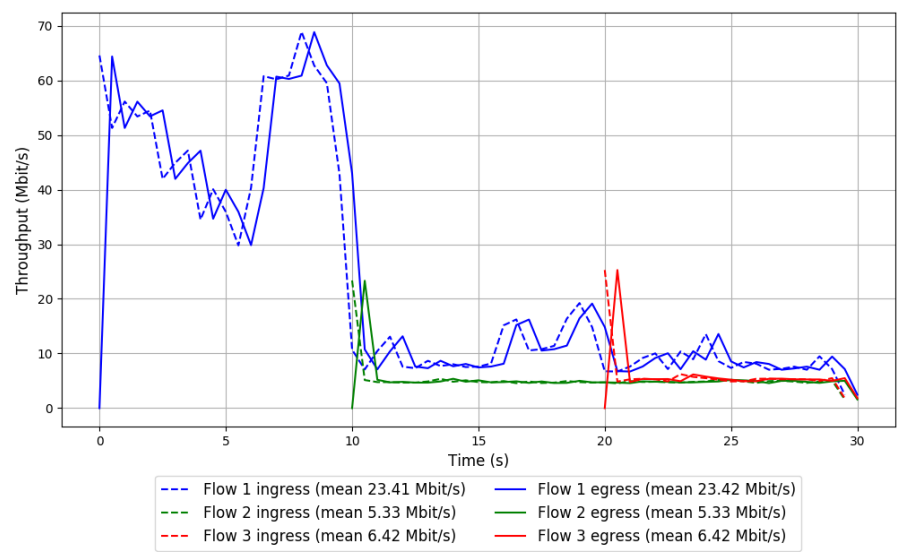
-- Flow 3:

Average throughput: 6.42 Mbit/s

95th percentile per-packet one-way delay: 2.557 ms

Loss rate: 0.00%

Run 4: Report of Muses_DecisionTree — Data Link



Run 5: Statistics of Muses_DecisionTree

Start at: 2019-12-11 17:02:11

End at: 2019-12-11 17:02:41

Local clock offset: -6.319 ms

Remote clock offset: 0.68 ms

Below is generated by plot.py at 2019-12-11 17:17:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 28.08 Mbit/s

95th percentile per-packet one-way delay: 1.933 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 18.37 Mbit/s

95th percentile per-packet one-way delay: 1.885 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 10.21 Mbit/s

95th percentile per-packet one-way delay: 1.976 ms

Loss rate: 0.00%

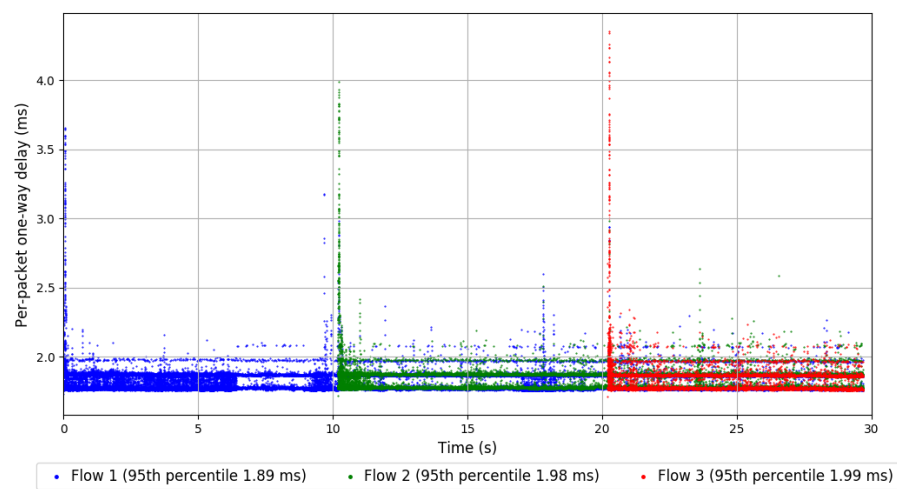
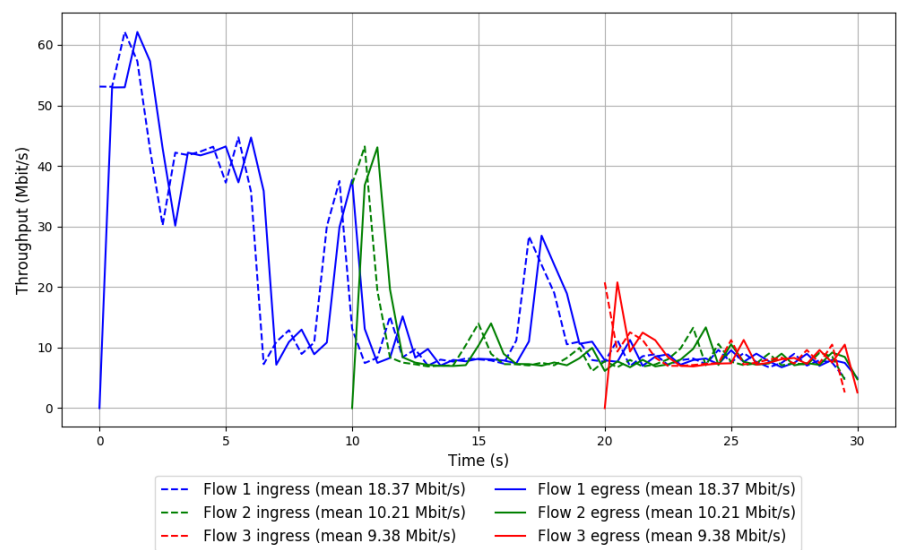
-- Flow 3:

Average throughput: 9.38 Mbit/s

95th percentile per-packet one-way delay: 1.991 ms

Loss rate: 0.00%

Run 5: Report of Muses_DecisionTree — Data Link



Run 1: Statistics of Muses_DecisionTreeH0

Start at: 2019-12-11 15:08:41

End at: 2019-12-11 15:09:11

Local clock offset: -7.893 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2019-12-11 17:17:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 46.54 Mbit/s

95th percentile per-packet one-way delay: 1.823 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 41.32 Mbit/s

95th percentile per-packet one-way delay: 1.822 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 5.08 Mbit/s

95th percentile per-packet one-way delay: 1.759 ms

Loss rate: 0.00%

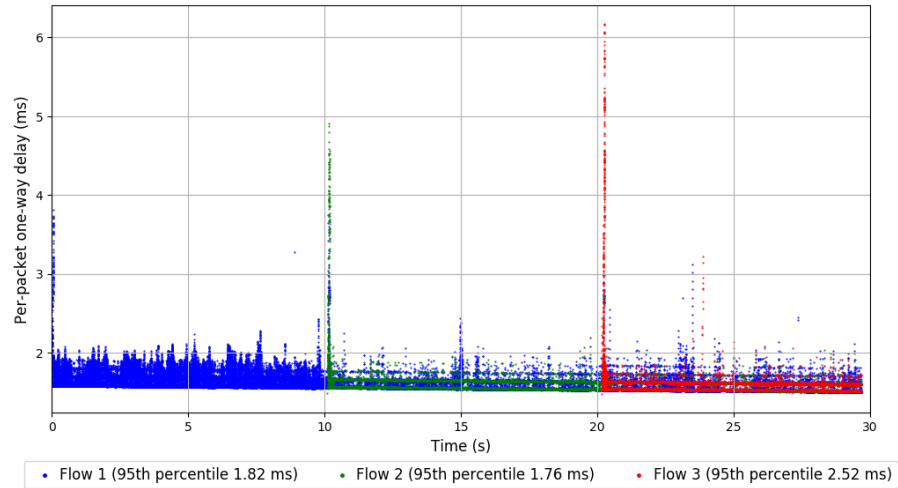
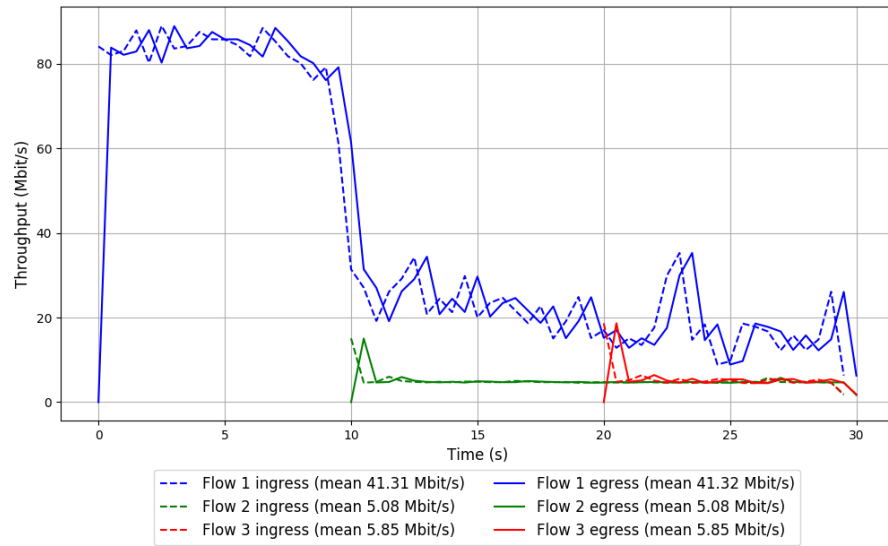
-- Flow 3:

Average throughput: 5.85 Mbit/s

95th percentile per-packet one-way delay: 2.522 ms

Loss rate: 0.06%

Run 1: Report of Muses_DecisionTreeH0 — Data Link



Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2019-12-11 15:36:10

End at: 2019-12-11 15:36:40

Local clock offset: -5.405 ms

Remote clock offset: 0.429 ms

Below is generated by plot.py at 2019-12-11 17:17:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.53 Mbit/s

95th percentile per-packet one-way delay: 2.608 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 5.50 Mbit/s

95th percentile per-packet one-way delay: 2.602 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 15.48 Mbit/s

95th percentile per-packet one-way delay: 2.607 ms

Loss rate: 0.01%

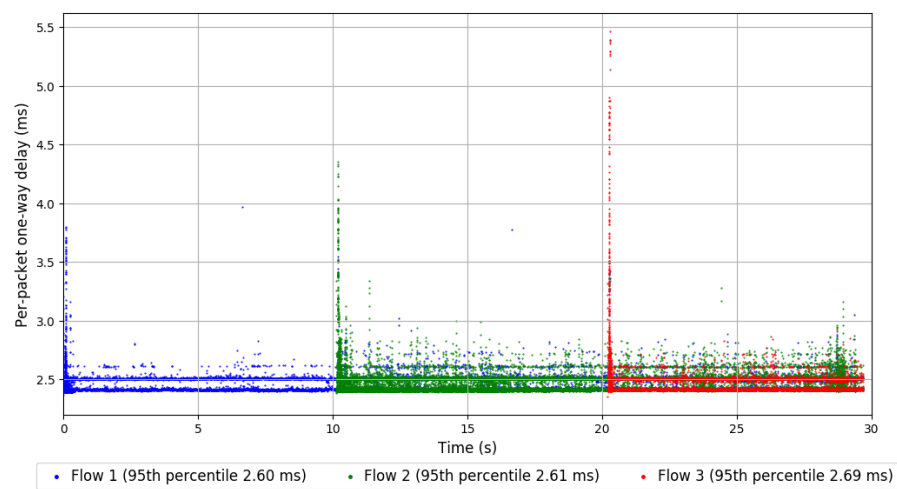
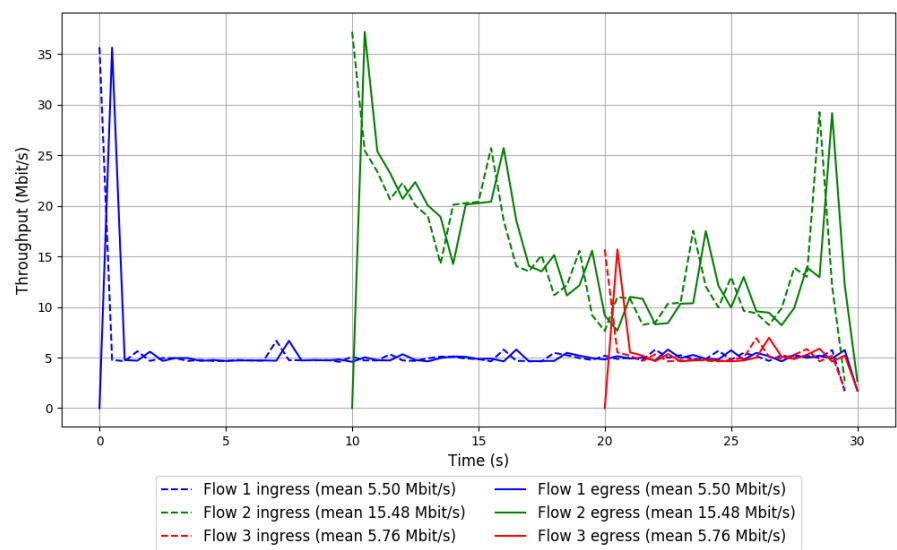
-- Flow 3:

Average throughput: 5.76 Mbit/s

95th percentile per-packet one-way delay: 2.694 ms

Loss rate: 0.04%

Run 2: Report of Muses_DecisionTreeH0 — Data Link



Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2019-12-11 16:03:39

End at: 2019-12-11 16:04:09

Local clock offset: -6.029 ms

Remote clock offset: 0.734 ms

Below is generated by plot.py at 2019-12-11 17:18:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.16 Mbit/s

95th percentile per-packet one-way delay: 1.974 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 38.92 Mbit/s

95th percentile per-packet one-way delay: 1.957 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 14.40 Mbit/s

95th percentile per-packet one-way delay: 2.047 ms

Loss rate: 0.01%

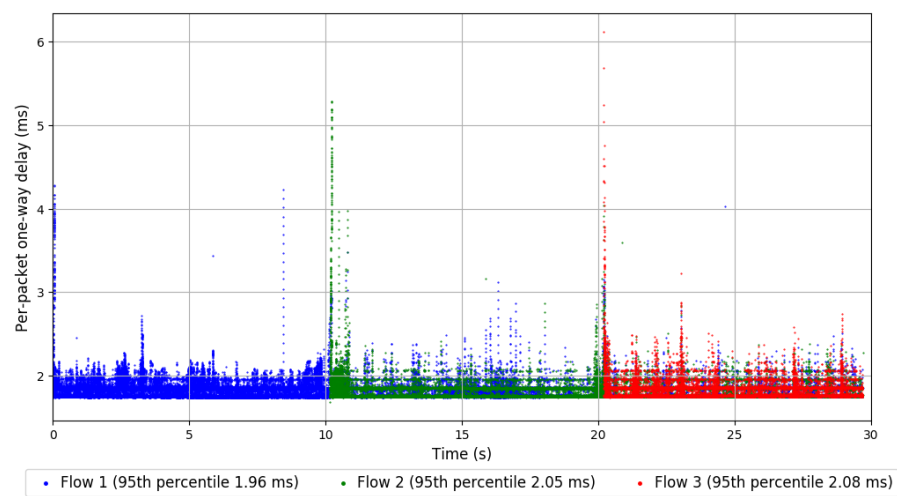
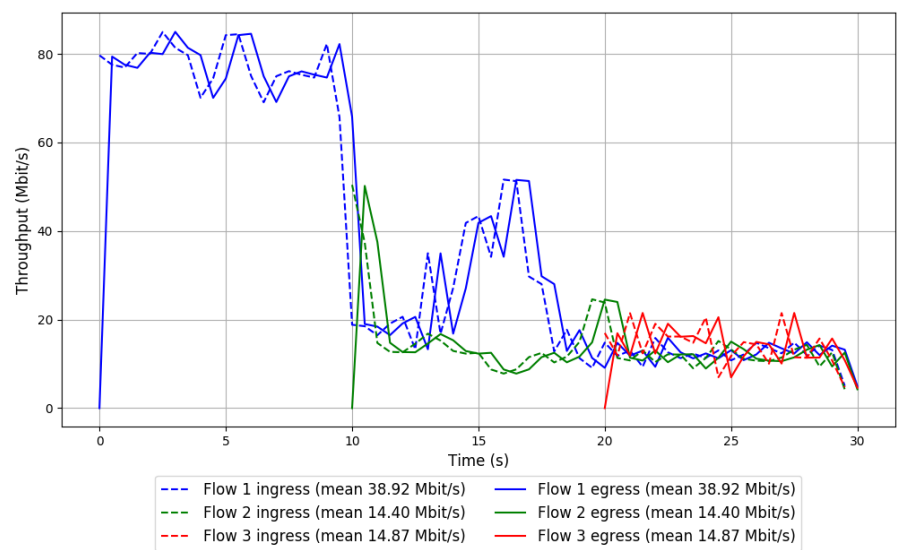
-- Flow 3:

Average throughput: 14.87 Mbit/s

95th percentile per-packet one-way delay: 2.084 ms

Loss rate: 0.03%

Run 3: Report of Muses_DecisionTreeH0 — Data Link



Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2019-12-11 16:31:09

End at: 2019-12-11 16:31:39

Local clock offset: -6.851 ms

Remote clock offset: 0.702 ms

Below is generated by plot.py at 2019-12-11 17:18:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 52.80 Mbit/s

95th percentile per-packet one-way delay: 2.064 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 38.23 Mbit/s

95th percentile per-packet one-way delay: 2.066 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 15.51 Mbit/s

95th percentile per-packet one-way delay: 2.011 ms

Loss rate: 0.01%

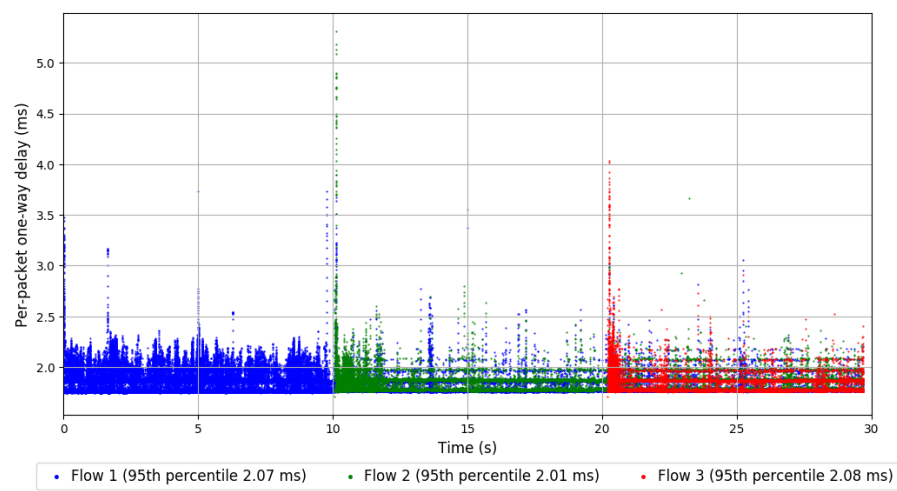
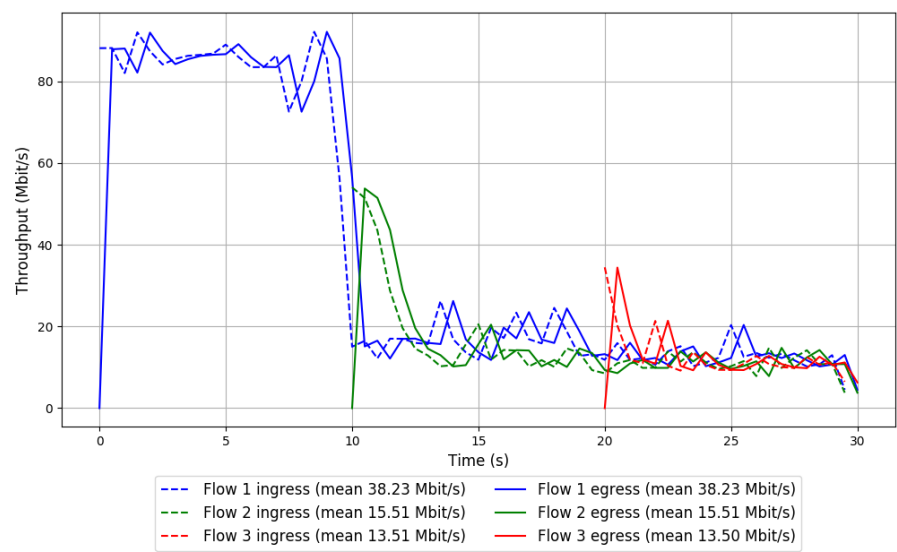
-- Flow 3:

Average throughput: 13.50 Mbit/s

95th percentile per-packet one-way delay: 2.081 ms

Loss rate: 0.09%

Run 4: Report of Muses_DecisionTreeH0 — Data Link



Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2019-12-11 16:58:43

End at: 2019-12-11 16:59:13

Local clock offset: -5.725 ms

Remote clock offset: 0.71 ms

Below is generated by plot.py at 2019-12-11 17:18:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 52.84 Mbit/s

95th percentile per-packet one-way delay: 2.669 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 39.33 Mbit/s

95th percentile per-packet one-way delay: 2.673 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 17.71 Mbit/s

95th percentile per-packet one-way delay: 2.619 ms

Loss rate: 0.01%

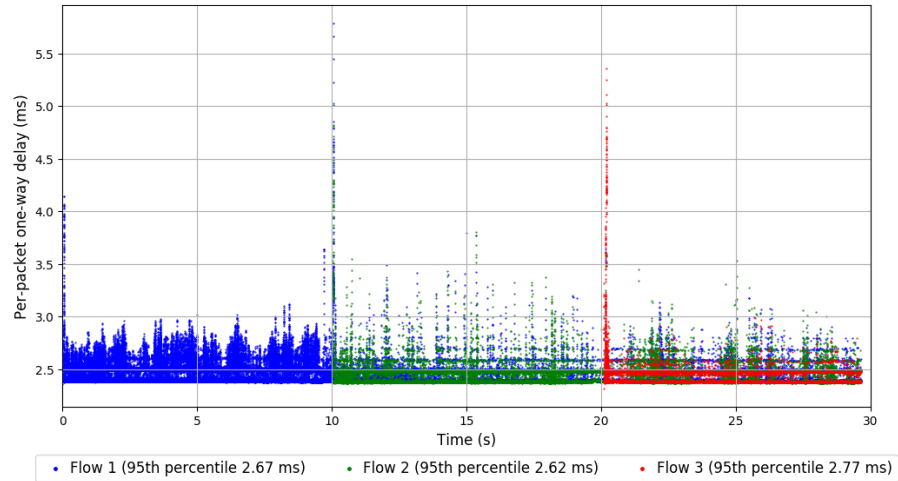
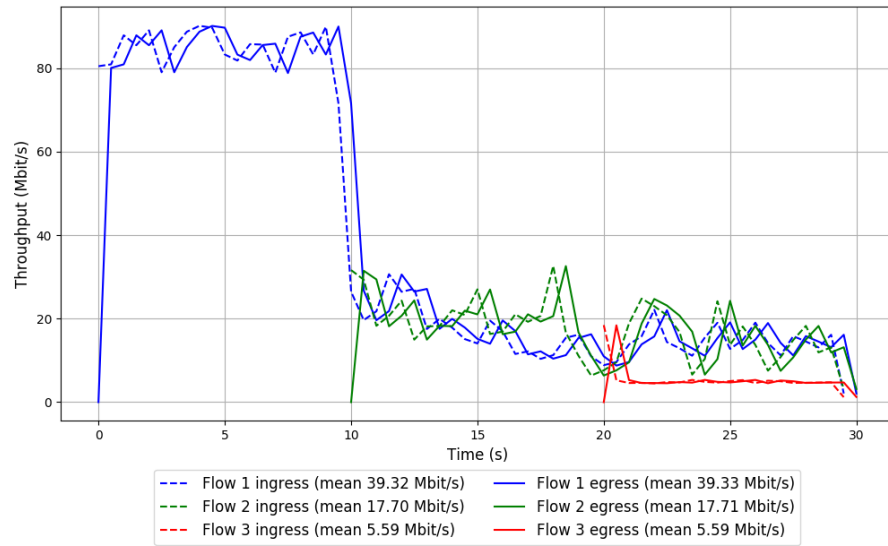
-- Flow 3:

Average throughput: 5.59 Mbit/s

95th percentile per-packet one-way delay: 2.773 ms

Loss rate: 0.00%

Run 5: Report of Muses_DecisionTreeH0 — Data Link

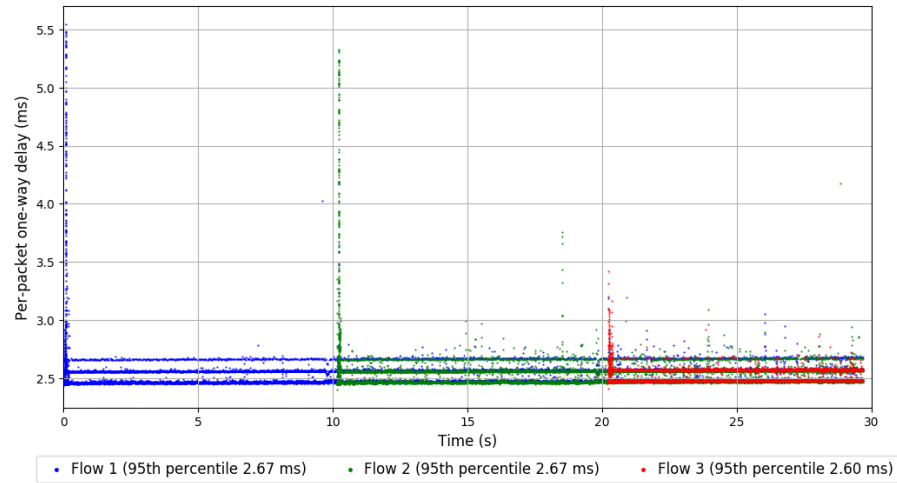
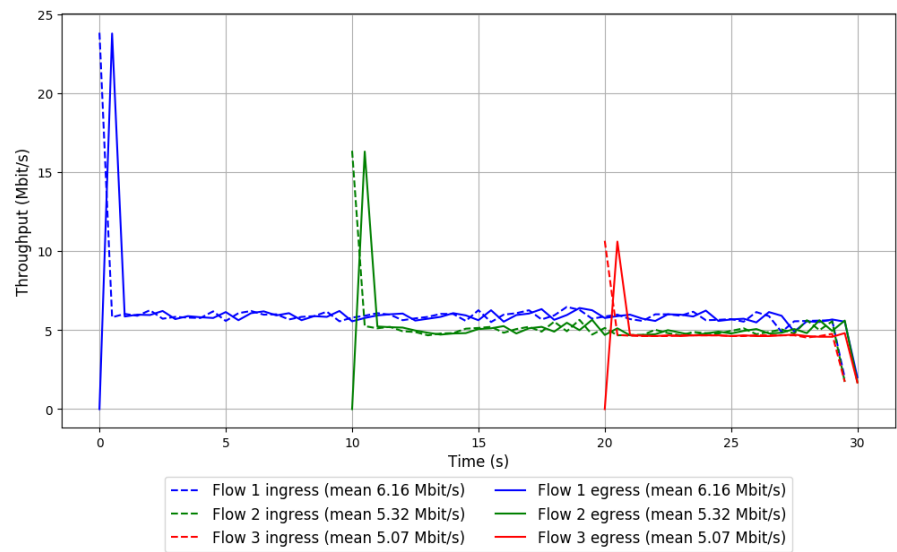


Run 1: Statistics of Muses_DecisionTreeR0

Start at: 2019-12-11 15:01:55
End at: 2019-12-11 15:02:25
Local clock offset: -7.075 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2019-12-11 17:18:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.29 Mbit/s
95th percentile per-packet one-way delay: 2.672 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 6.16 Mbit/s
95th percentile per-packet one-way delay: 2.673 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 5.32 Mbit/s
95th percentile per-packet one-way delay: 2.674 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 5.07 Mbit/s
95th percentile per-packet one-way delay: 2.600 ms
Loss rate: 0.05%

Run 1: Report of Muses_DecisionTreeR0 — Data Link



Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2019-12-11 15:29:23

End at: 2019-12-11 15:29:53

Local clock offset: -6.203 ms

Remote clock offset: 0.325 ms

Below is generated by plot.py at 2019-12-11 17:18:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.02 Mbit/s

95th percentile per-packet one-way delay: 1.917 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 6.04 Mbit/s

95th percentile per-packet one-way delay: 1.906 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 11.65 Mbit/s

95th percentile per-packet one-way delay: 1.919 ms

Loss rate: 0.01%

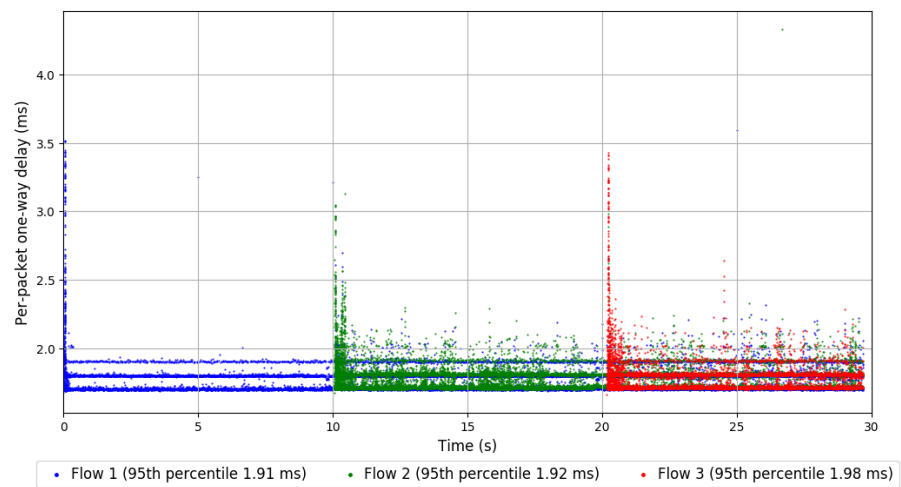
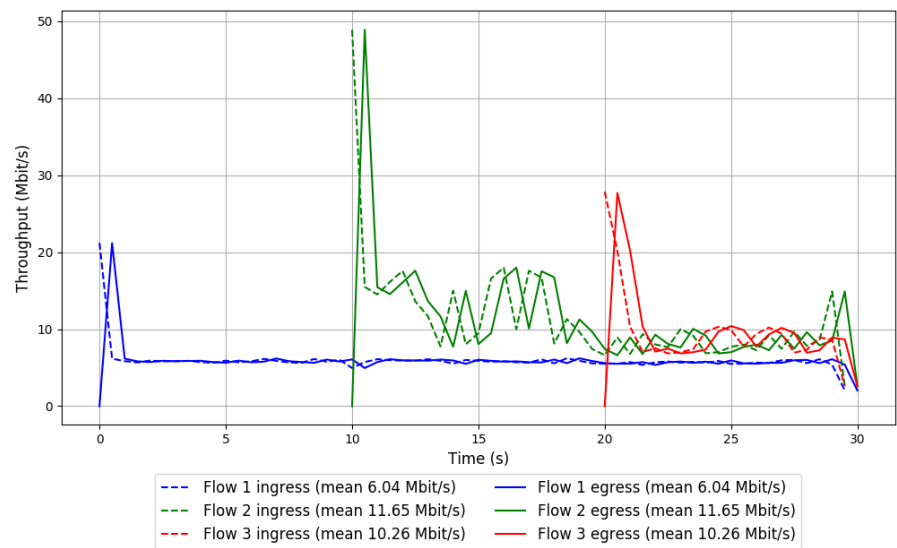
-- Flow 3:

Average throughput: 10.26 Mbit/s

95th percentile per-packet one-way delay: 1.976 ms

Loss rate: 0.05%

Run 2: Report of Muses_DecisionTreeR0 — Data Link



Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2019-12-11 15:56:51

End at: 2019-12-11 15:57:21

Local clock offset: -6.112 ms

Remote clock offset: 0.556 ms

Below is generated by plot.py at 2019-12-11 17:18:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 27.86 Mbit/s

95th percentile per-packet one-way delay: 1.960 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 22.68 Mbit/s

95th percentile per-packet one-way delay: 1.883 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 5.15 Mbit/s

95th percentile per-packet one-way delay: 1.990 ms

Loss rate: 0.00%

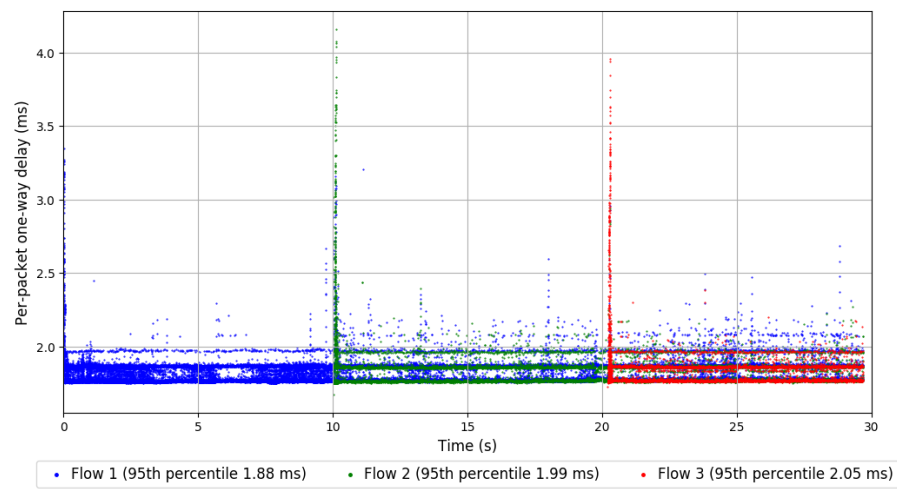
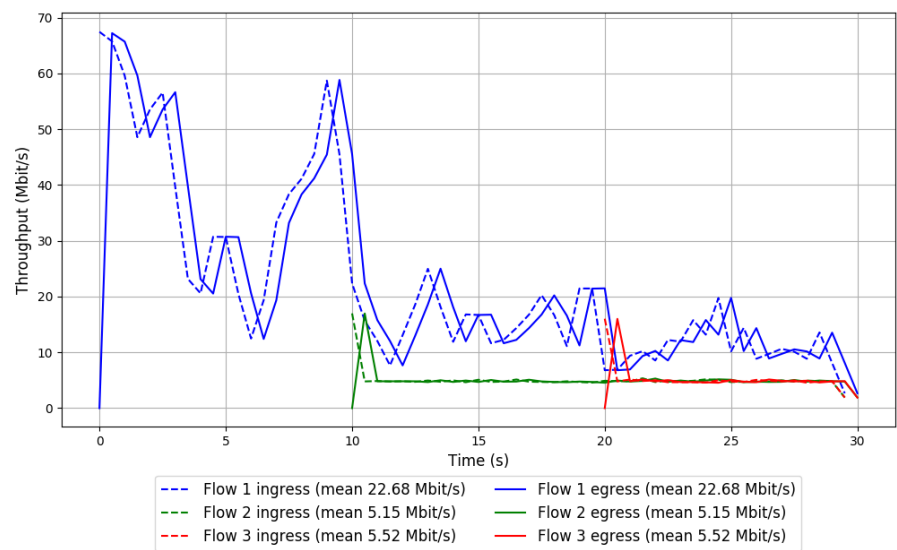
-- Flow 3:

Average throughput: 5.52 Mbit/s

95th percentile per-packet one-way delay: 2.050 ms

Loss rate: 0.00%

Run 3: Report of Muses_DecisionTreeR0 — Data Link



Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2019-12-11 16:24:21

End at: 2019-12-11 16:24:51

Local clock offset: -6.096 ms

Remote clock offset: 0.718 ms

Below is generated by plot.py at 2019-12-11 17:18:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 34.45 Mbit/s

95th percentile per-packet one-way delay: 2.581 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 27.40 Mbit/s

95th percentile per-packet one-way delay: 2.518 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 5.19 Mbit/s

95th percentile per-packet one-way delay: 2.681 ms

Loss rate: 0.00%

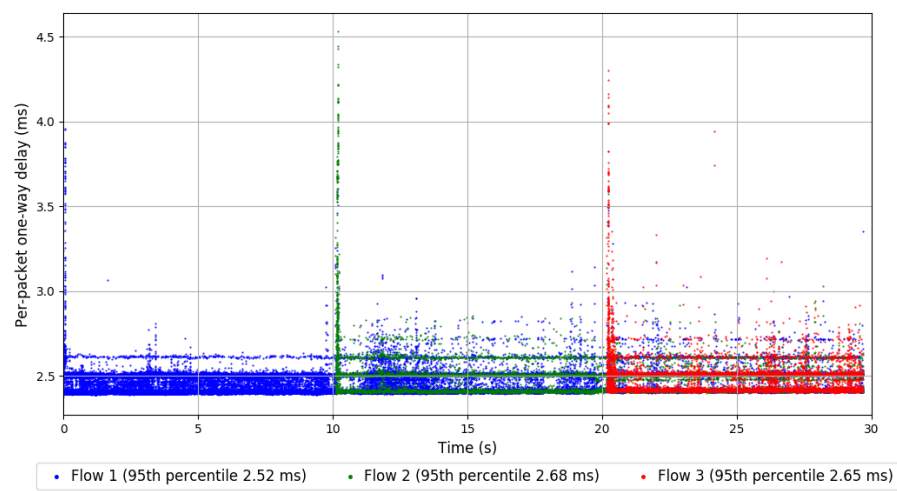
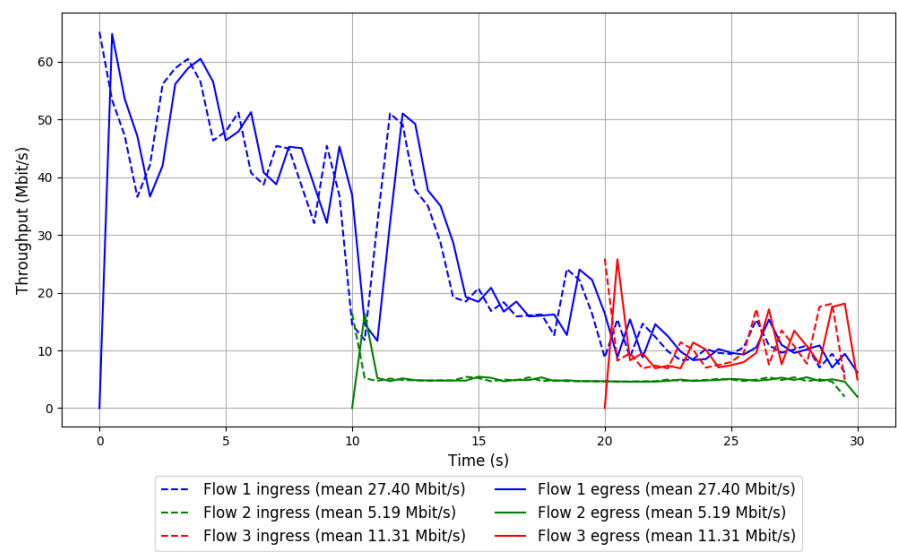
-- Flow 3:

Average throughput: 11.31 Mbit/s

95th percentile per-packet one-way delay: 2.648 ms

Loss rate: 0.02%

Run 4: Report of Muses_DecisionTreeR0 — Data Link



Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2019-12-11 16:51:55

End at: 2019-12-11 16:52:25

Local clock offset: -6.426 ms

Remote clock offset: 0.736 ms

Below is generated by plot.py at 2019-12-11 17:18:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 33.82 Mbit/s

95th percentile per-packet one-way delay: 1.907 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 28.52 Mbit/s

95th percentile per-packet one-way delay: 1.849 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 5.30 Mbit/s

95th percentile per-packet one-way delay: 2.005 ms

Loss rate: 0.01%

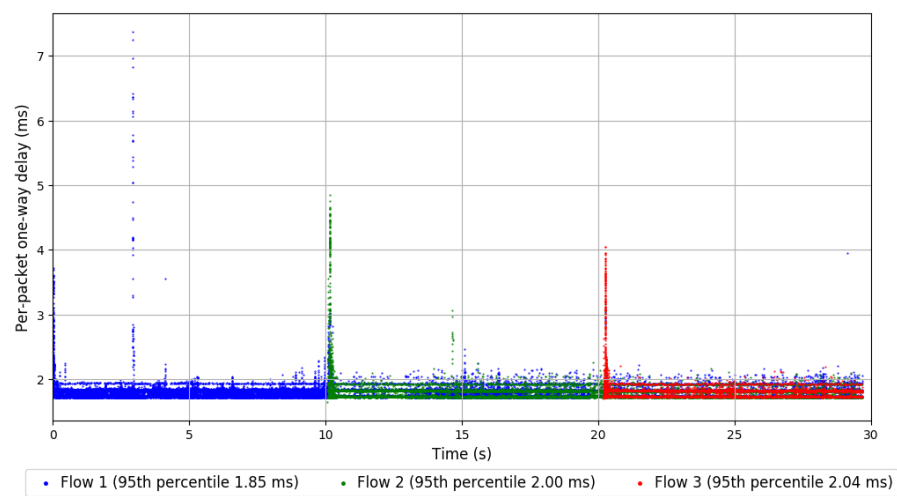
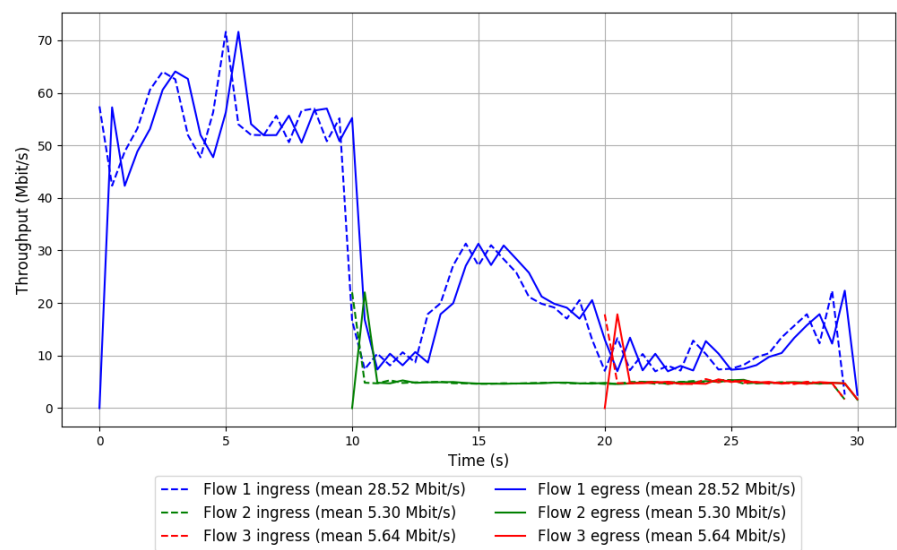
-- Flow 3:

Average throughput: 5.64 Mbit/s

95th percentile per-packet one-way delay: 2.037 ms

Loss rate: 0.00%

Run 5: Report of Muses_DecisionTreeR0 — Data Link

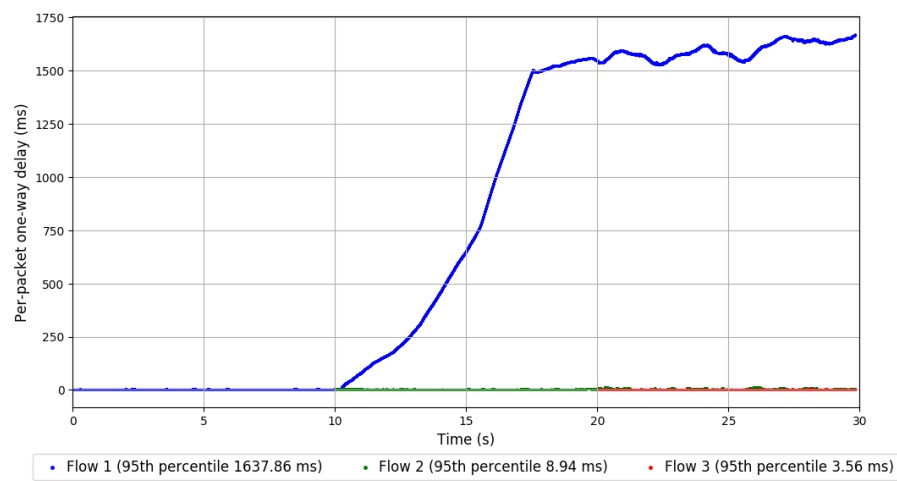
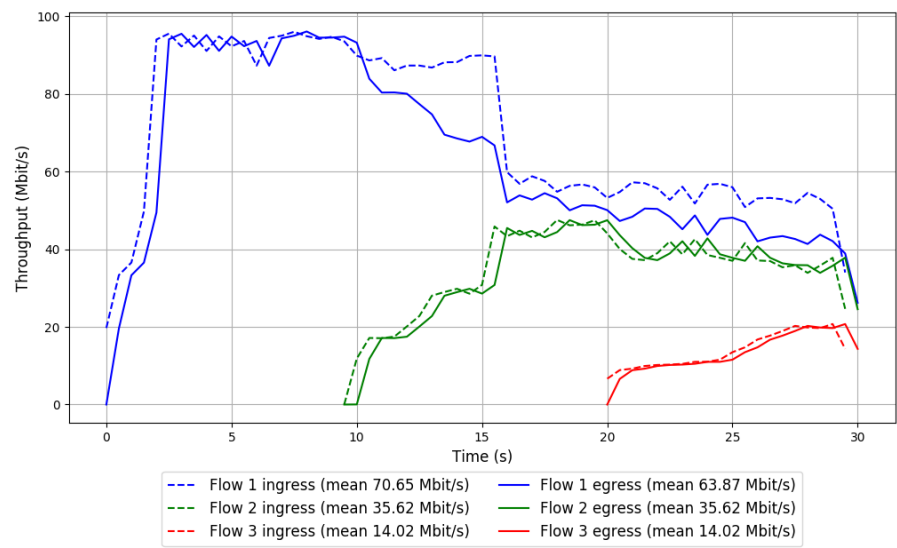


Run 1: Statistics of PCC-Allegro

Start at: 2019-12-11 15:04:10
End at: 2019-12-11 15:04:40
Local clock offset: -7.116 ms
Remote clock offset: -0.147 ms

Below is generated by plot.py at 2019-12-11 17:19:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.18 Mbit/s
95th percentile per-packet one-way delay: 1620.399 ms
Loss rate: 6.86%
-- Flow 1:
Average throughput: 63.87 Mbit/s
95th percentile per-packet one-way delay: 1637.862 ms
Loss rate: 9.59%
-- Flow 2:
Average throughput: 35.62 Mbit/s
95th percentile per-packet one-way delay: 8.942 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 14.02 Mbit/s
95th percentile per-packet one-way delay: 3.559 ms
Loss rate: 0.05%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-12-11 15:31:38

End at: 2019-12-11 15:32:08

Local clock offset: -6.177 ms

Remote clock offset: 0.345 ms

Below is generated by plot.py at 2019-12-11 17:19:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.78 Mbit/s

95th percentile per-packet one-way delay: 917.381 ms

Loss rate: 4.17%

-- Flow 1:

Average throughput: 66.97 Mbit/s

95th percentile per-packet one-way delay: 1223.097 ms

Loss rate: 5.47%

-- Flow 2:

Average throughput: 28.22 Mbit/s

95th percentile per-packet one-way delay: 77.486 ms

Loss rate: 0.85%

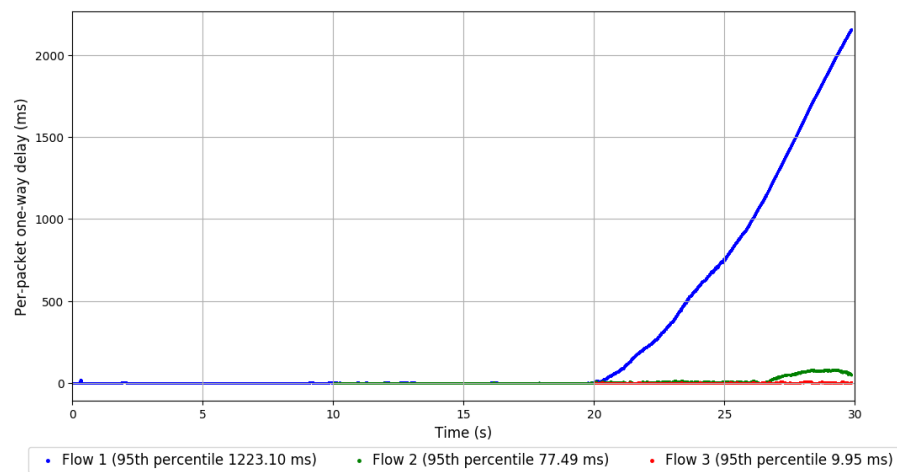
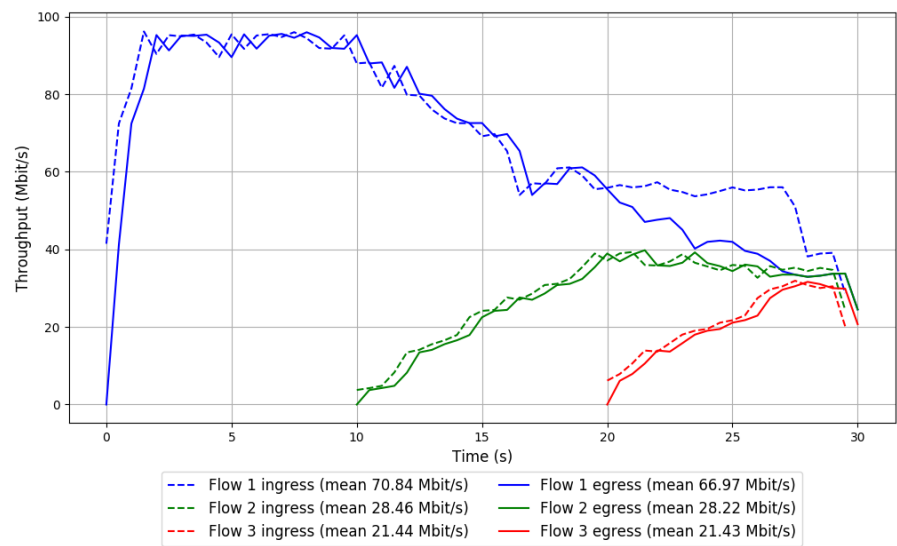
-- Flow 3:

Average throughput: 21.43 Mbit/s

95th percentile per-packet one-way delay: 9.947 ms

Loss rate: 0.07%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-12-11 15:59:06

End at: 2019-12-11 15:59:36

Local clock offset: -6.008 ms

Remote clock offset: 0.667 ms

Below is generated by plot.py at 2019-12-11 17:19:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.97 Mbit/s

95th percentile per-packet one-way delay: 1963.227 ms

Loss rate: 12.01%

-- Flow 1:

Average throughput: 65.77 Mbit/s

95th percentile per-packet one-way delay: 2019.736 ms

Loss rate: 13.86%

-- Flow 2:

Average throughput: 30.59 Mbit/s

95th percentile per-packet one-way delay: 960.160 ms

Loss rate: 10.46%

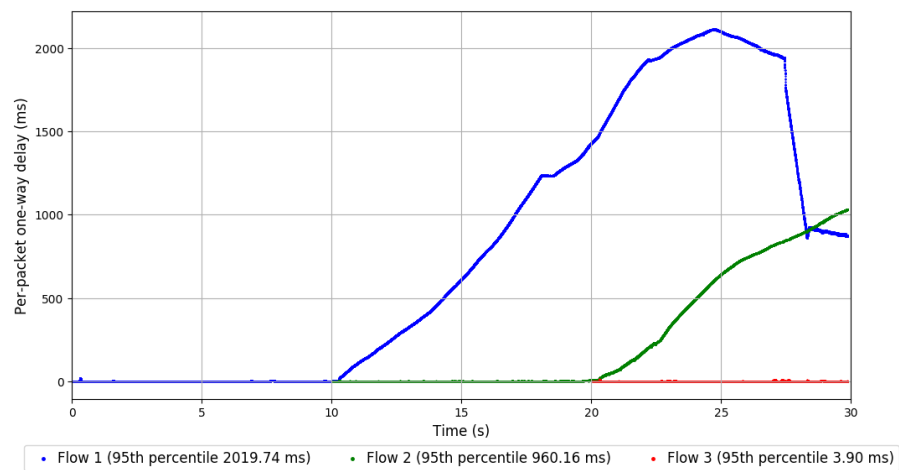
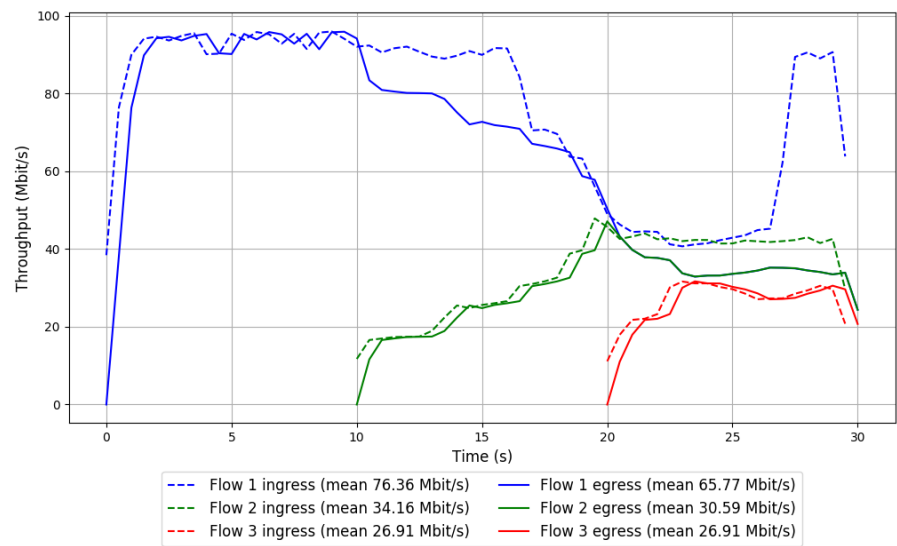
-- Flow 3:

Average throughput: 26.91 Mbit/s

95th percentile per-packet one-way delay: 3.905 ms

Loss rate: 0.04%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-12-11 16:26:37

End at: 2019-12-11 16:27:07

Local clock offset: -6.776 ms

Remote clock offset: 0.733 ms

Below is generated by plot.py at 2019-12-11 17:19:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.52 Mbit/s

95th percentile per-packet one-way delay: 1800.054 ms

Loss rate: 6.97%

-- Flow 1:

Average throughput: 65.11 Mbit/s

95th percentile per-packet one-way delay: 1896.583 ms

Loss rate: 9.79%

-- Flow 2:

Average throughput: 32.21 Mbit/s

95th percentile per-packet one-way delay: 10.981 ms

Loss rate: 0.04%

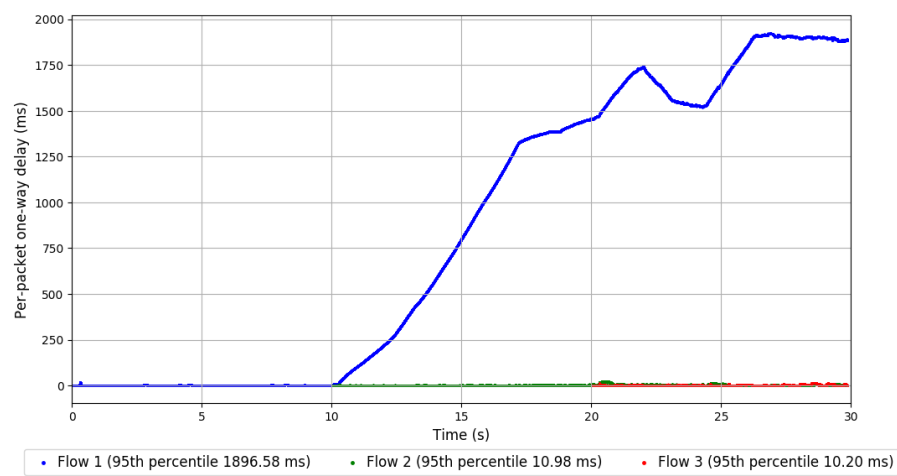
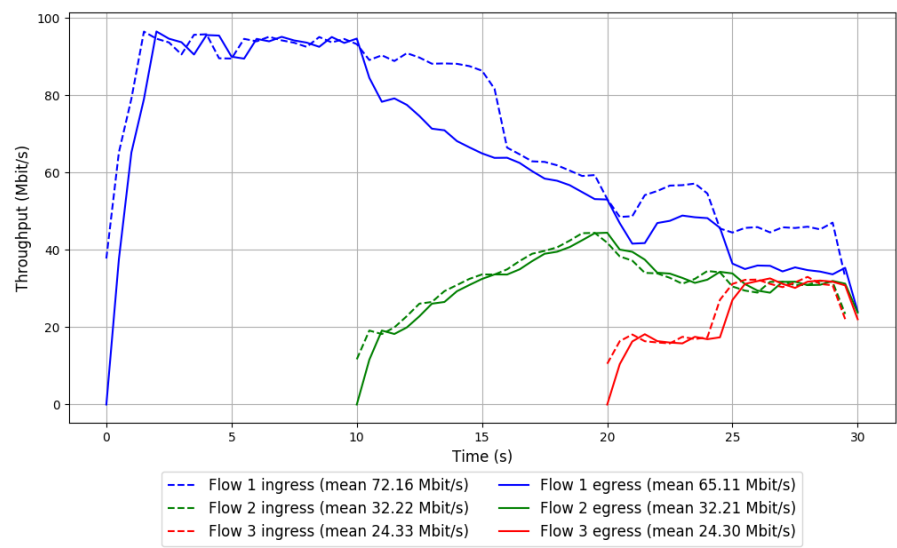
-- Flow 3:

Average throughput: 24.30 Mbit/s

95th percentile per-packet one-way delay: 10.204 ms

Loss rate: 0.13%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-12-11 16:54:10

End at: 2019-12-11 16:54:40

Local clock offset: -5.763 ms

Remote clock offset: 0.744 ms

Below is generated by plot.py at 2019-12-11 17:19:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.98 Mbit/s

95th percentile per-packet one-way delay: 1922.980 ms

Loss rate: 12.44%

-- Flow 1:

Average throughput: 62.91 Mbit/s

95th percentile per-packet one-way delay: 1947.771 ms

Loss rate: 14.99%

-- Flow 2:

Average throughput: 35.14 Mbit/s

95th percentile per-packet one-way delay: 1007.228 ms

Loss rate: 9.31%

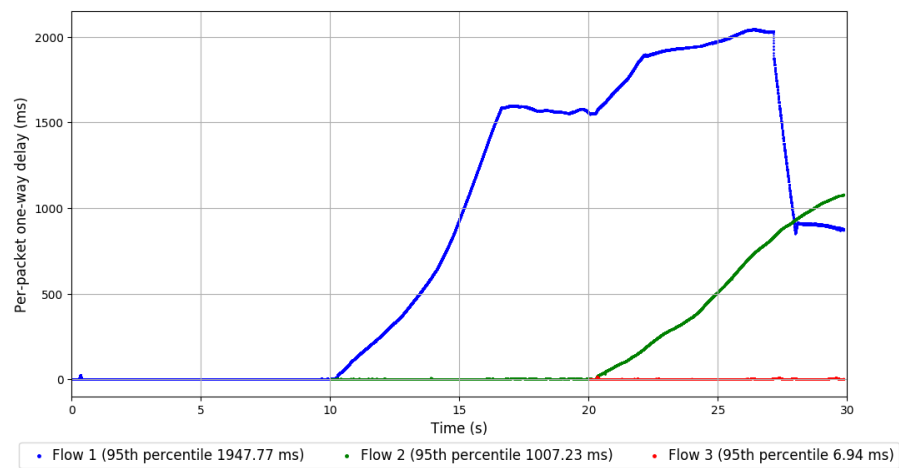
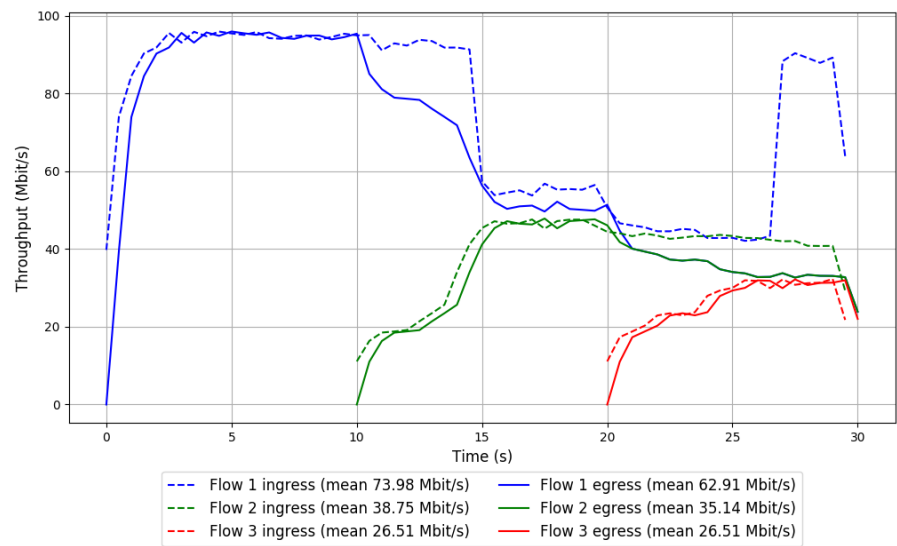
-- Flow 3:

Average throughput: 26.51 Mbit/s

95th percentile per-packet one-way delay: 6.944 ms

Loss rate: 0.05%

Run 5: Report of PCC-Allegro — Data Link

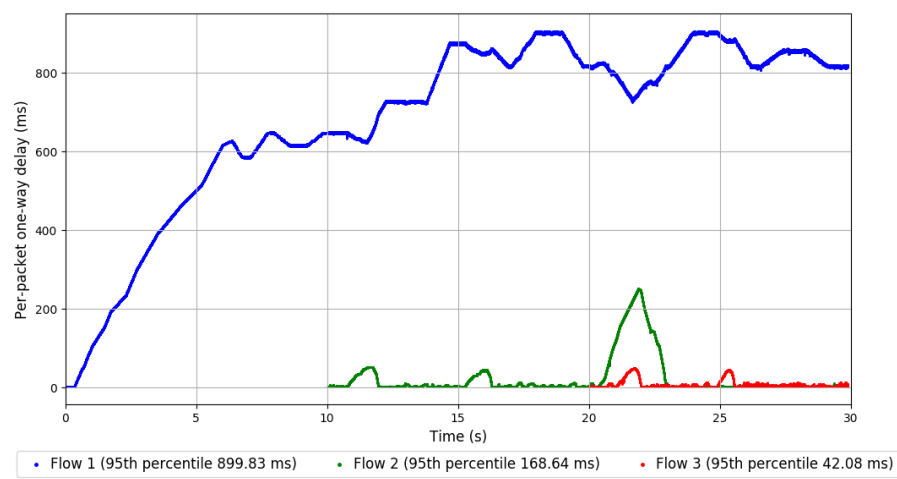
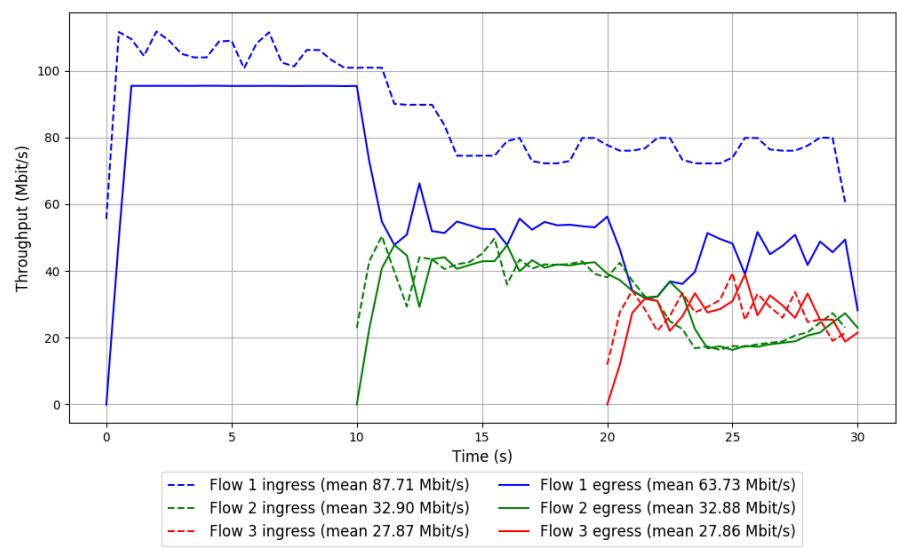


```
Run 1: Statistics of PCC-Expr

Start at: 2019-12-11 14:50:21
End at: 2019-12-11 14:50:51
Local clock offset: -6.964 ms
Remote clock offset: -0.22 ms

# Below is generated by plot.py at 2019-12-11 17:20:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.79 Mbit/s
95th percentile per-packet one-way delay: 882.996 ms
Loss rate: 20.21%
-- Flow 1:
Average throughput: 63.73 Mbit/s
95th percentile per-packet one-way delay: 899.825 ms
Loss rate: 27.35%
-- Flow 2:
Average throughput: 32.88 Mbit/s
95th percentile per-packet one-way delay: 168.644 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 27.86 Mbit/s
95th percentile per-packet one-way delay: 42.078 ms
Loss rate: 0.08%
```

Run 1: Report of PCC-Expr — Data Link

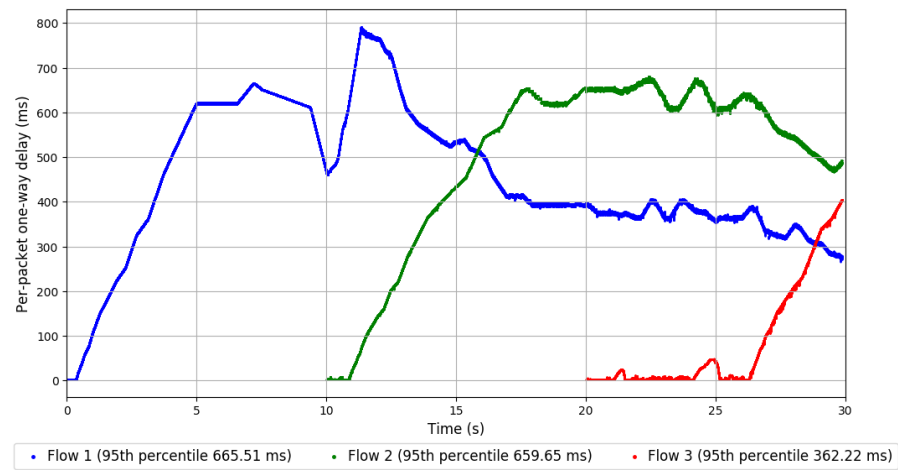
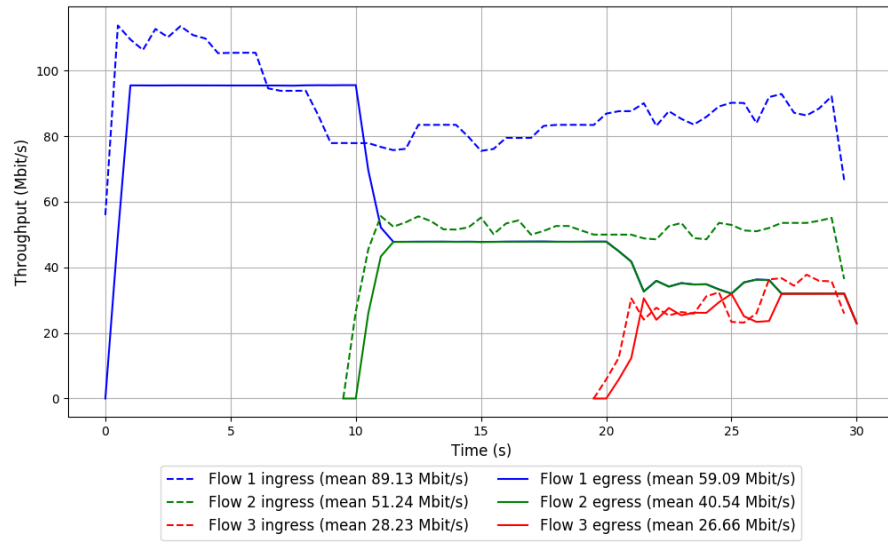



```
Run 2: Statistics of PCC-Expr

Start at: 2019-12-11 15:17:52
End at: 2019-12-11 15:18:22
Local clock offset: -5.957 ms
Remote clock offset: 0.113 ms

# Below is generated by plot.py at 2019-12-11 17:20:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.87 Mbit/s
95th percentile per-packet one-way delay: 661.146 ms
Loss rate: 28.44%
-- Flow 1:
Average throughput: 59.09 Mbit/s
95th percentile per-packet one-way delay: 665.515 ms
Loss rate: 33.71%
-- Flow 2:
Average throughput: 40.54 Mbit/s
95th percentile per-packet one-way delay: 659.650 ms
Loss rate: 20.90%
-- Flow 3:
Average throughput: 26.66 Mbit/s
95th percentile per-packet one-way delay: 362.219 ms
Loss rate: 5.59%
```

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-12-11 15:45:18

End at: 2019-12-11 15:45:48

Local clock offset: -5.384 ms

Remote clock offset: 0.519 ms

Below is generated by plot.py at 2019-12-11 17:20:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.68 Mbit/s

95th percentile per-packet one-way delay: 509.890 ms

Loss rate: 33.62%

-- Flow 1:

Average throughput: 55.98 Mbit/s

95th percentile per-packet one-way delay: 716.343 ms

Loss rate: 19.97%

-- Flow 2:

Average throughput: 36.20 Mbit/s

95th percentile per-packet one-way delay: 373.161 ms

Loss rate: 36.91%

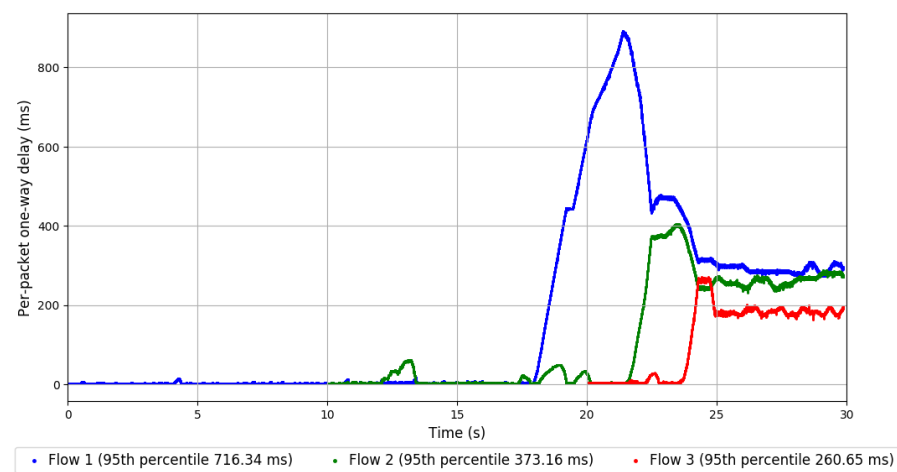
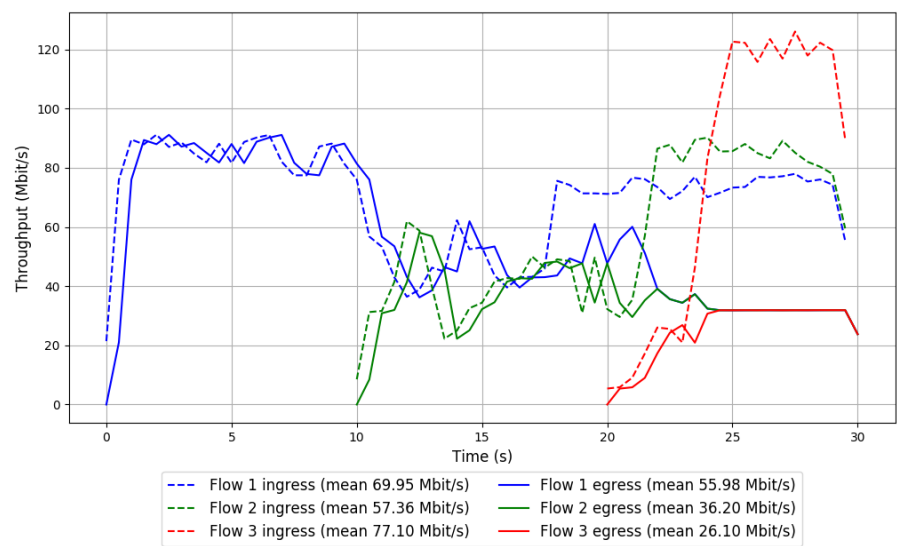
-- Flow 3:

Average throughput: 26.10 Mbit/s

95th percentile per-packet one-way delay: 260.650 ms

Loss rate: 66.16%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-12-11 16:12:49

End at: 2019-12-11 16:13:19

Local clock offset: -5.64 ms

Remote clock offset: 0.722 ms

Below is generated by plot.py at 2019-12-11 17:21:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.51 Mbit/s

95th percentile per-packet one-way delay: 1044.262 ms

Loss rate: 30.39%

-- Flow 1:

Average throughput: 56.67 Mbit/s

95th percentile per-packet one-way delay: 1084.458 ms

Loss rate: 21.38%

-- Flow 2:

Average throughput: 38.59 Mbit/s

95th percentile per-packet one-way delay: 396.908 ms

Loss rate: 40.79%

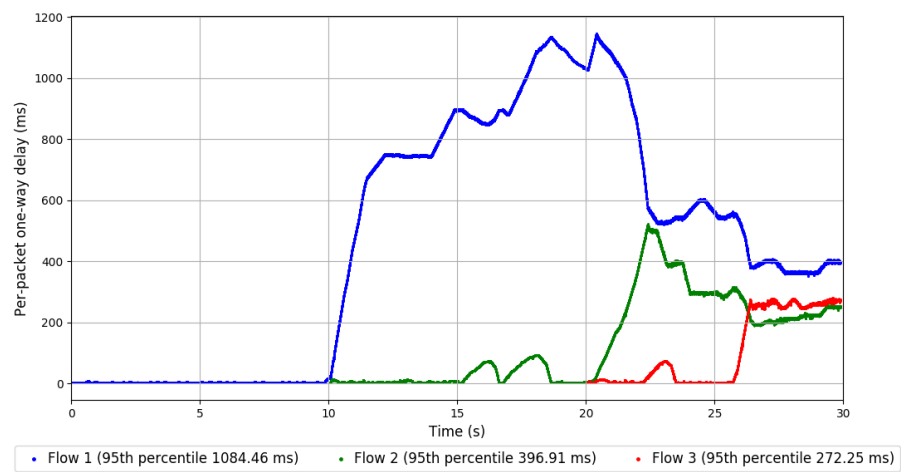
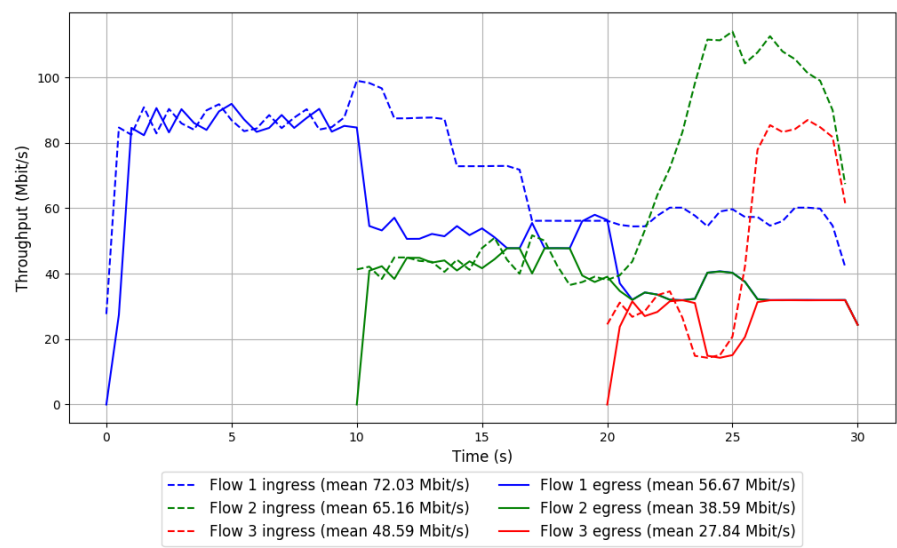
-- Flow 3:

Average throughput: 27.84 Mbit/s

95th percentile per-packet one-way delay: 272.249 ms

Loss rate: 42.73%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-12-11 16:40:19

End at: 2019-12-11 16:40:49

Local clock offset: -6.809 ms

Remote clock offset: 0.669 ms

Below is generated by plot.py at 2019-12-11 17:21:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.18 Mbit/s

95th percentile per-packet one-way delay: 724.127 ms

Loss rate: 35.16%

-- Flow 1:

Average throughput: 56.63 Mbit/s

95th percentile per-packet one-way delay: 753.394 ms

Loss rate: 4.81%

-- Flow 2:

Average throughput: 33.95 Mbit/s

95th percentile per-packet one-way delay: 312.874 ms

Loss rate: 66.57%

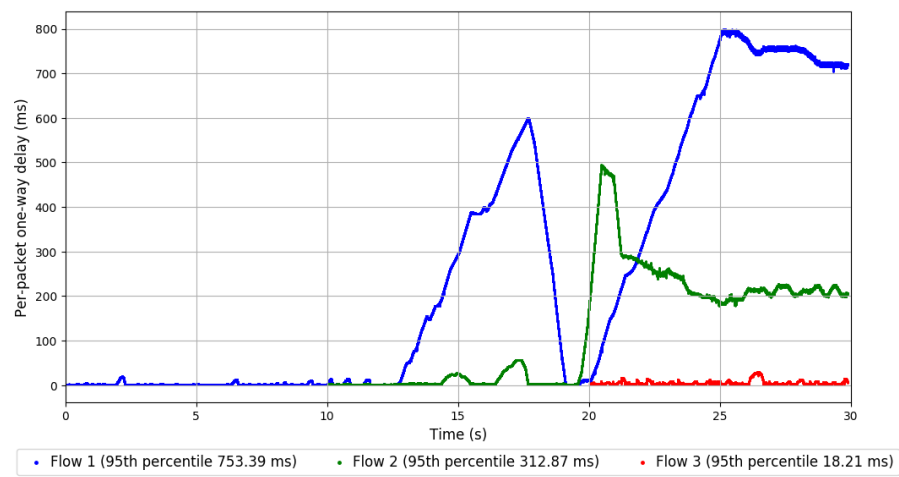
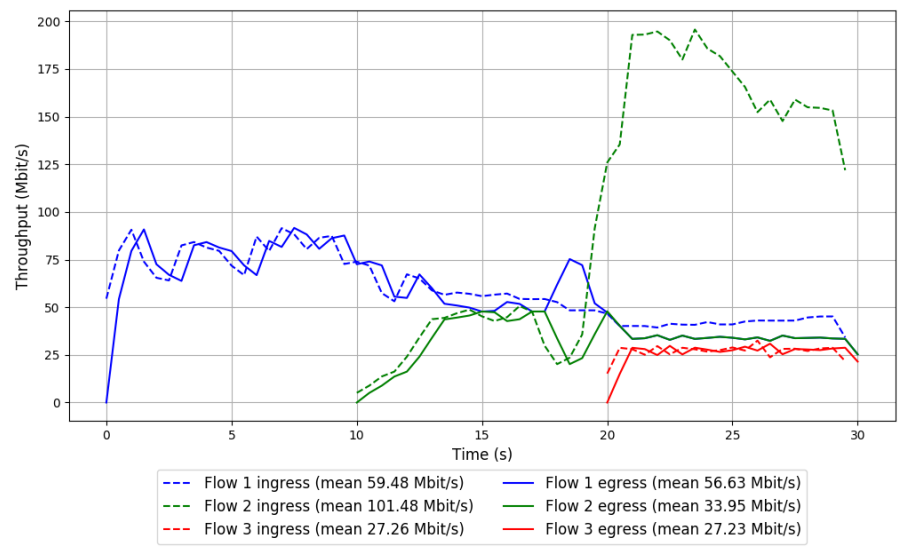
-- Flow 3:

Average throughput: 27.23 Mbit/s

95th percentile per-packet one-way delay: 18.211 ms

Loss rate: 0.07%

Run 5: Report of PCC-Expr — Data Link

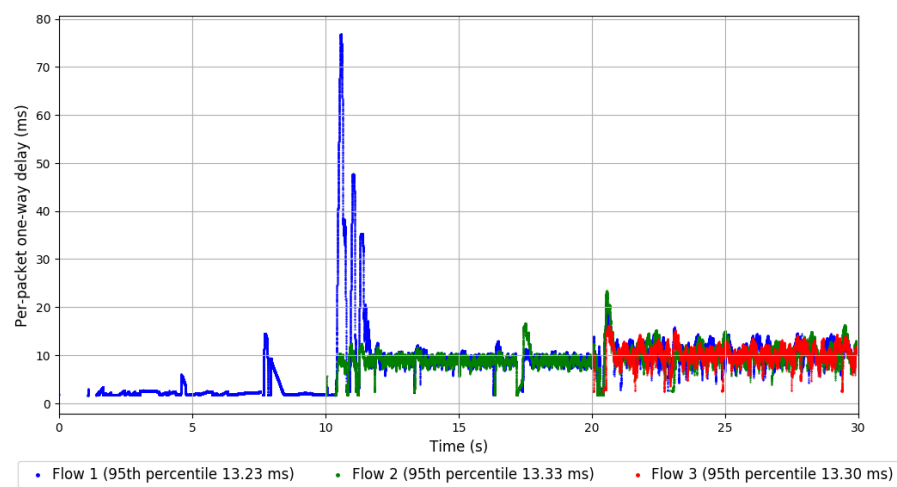
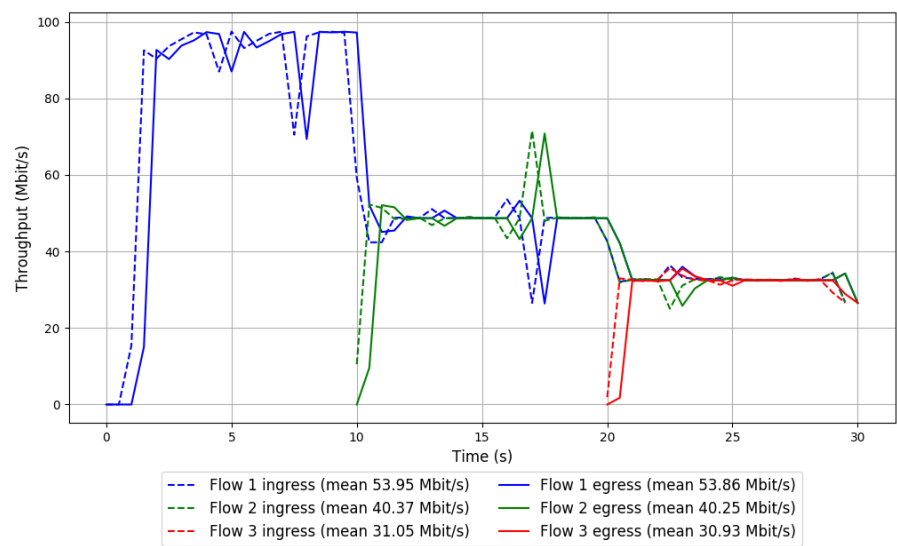


Run 1: Statistics of QUIC Cubic

Start at: 2019-12-11 14:53:54
End at: 2019-12-11 14:54:24
Local clock offset: -7.671 ms
Remote clock offset: -0.174 ms

Below is generated by plot.py at 2019-12-11 17:21:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.86 Mbit/s
95th percentile per-packet one-way delay: 13.270 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 53.86 Mbit/s
95th percentile per-packet one-way delay: 13.235 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 40.25 Mbit/s
95th percentile per-packet one-way delay: 13.328 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 30.93 Mbit/s
95th percentile per-packet one-way delay: 13.296 ms
Loss rate: 0.47%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-12-11 15:21:22

End at: 2019-12-11 15:21:52

Local clock offset: -5.753 ms

Remote clock offset: 0.194 ms

Below is generated by plot.py at 2019-12-11 17:21:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.68 Mbit/s

95th percentile per-packet one-way delay: 13.168 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 53.76 Mbit/s

95th percentile per-packet one-way delay: 12.900 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 40.01 Mbit/s

95th percentile per-packet one-way delay: 13.161 ms

Loss rate: 0.28%

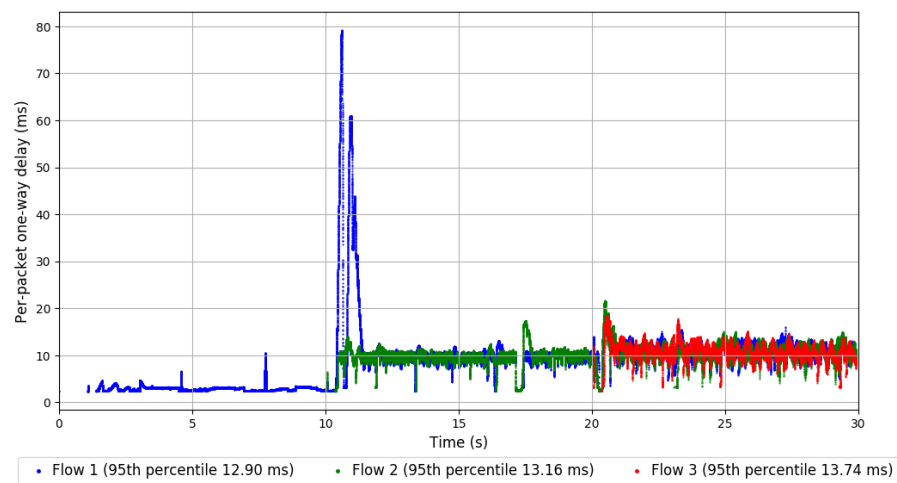
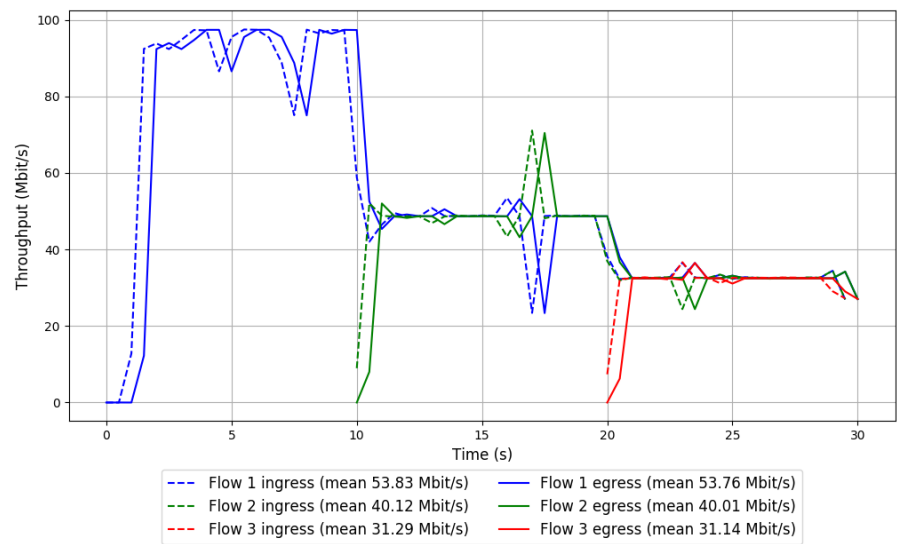
-- Flow 3:

Average throughput: 31.14 Mbit/s

95th percentile per-packet one-way delay: 13.738 ms

Loss rate: 0.51%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-12-11 15:48:50

End at: 2019-12-11 15:49:20

Local clock offset: -5.361 ms

Remote clock offset: 0.483 ms

Below is generated by plot.py at 2019-12-11 17:21:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.55 Mbit/s

95th percentile per-packet one-way delay: 13.701 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 52.60 Mbit/s

95th percentile per-packet one-way delay: 13.718 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 40.12 Mbit/s

95th percentile per-packet one-way delay: 13.503 ms

Loss rate: 0.29%

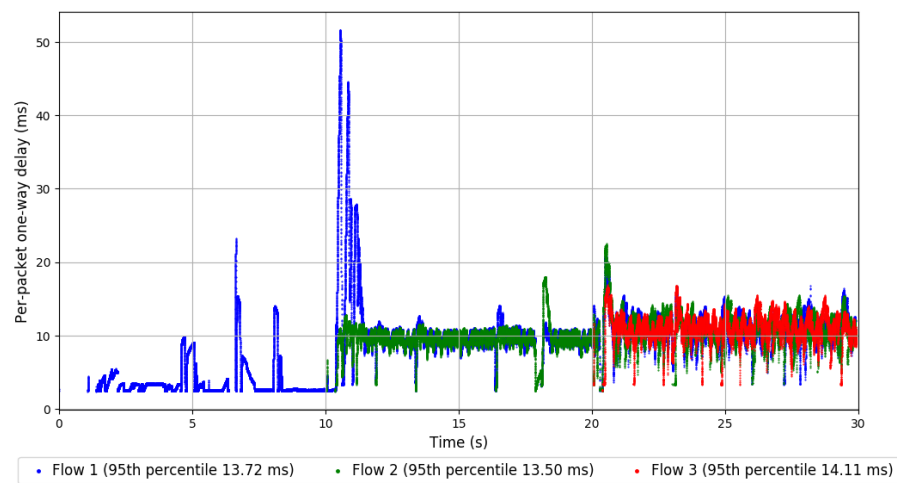
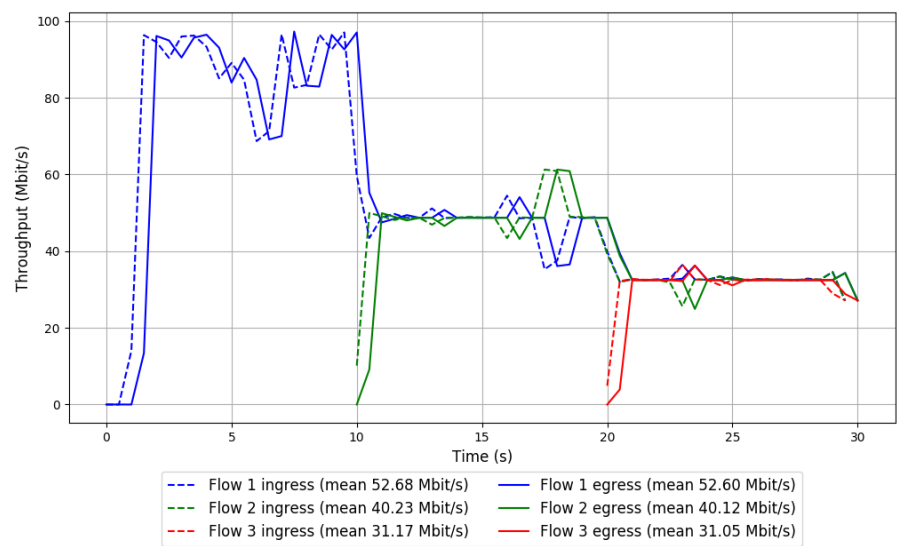
-- Flow 3:

Average throughput: 31.05 Mbit/s

95th percentile per-packet one-way delay: 14.105 ms

Loss rate: 0.44%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-12-11 16:16:21

End at: 2019-12-11 16:16:51

Local clock offset: -6.571 ms

Remote clock offset: 0.78 ms

Below is generated by plot.py at 2019-12-11 17:21:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.09 Mbit/s

95th percentile per-packet one-way delay: 12.806 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 54.13 Mbit/s

95th percentile per-packet one-way delay: 13.025 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 40.15 Mbit/s

95th percentile per-packet one-way delay: 12.624 ms

Loss rate: 0.28%

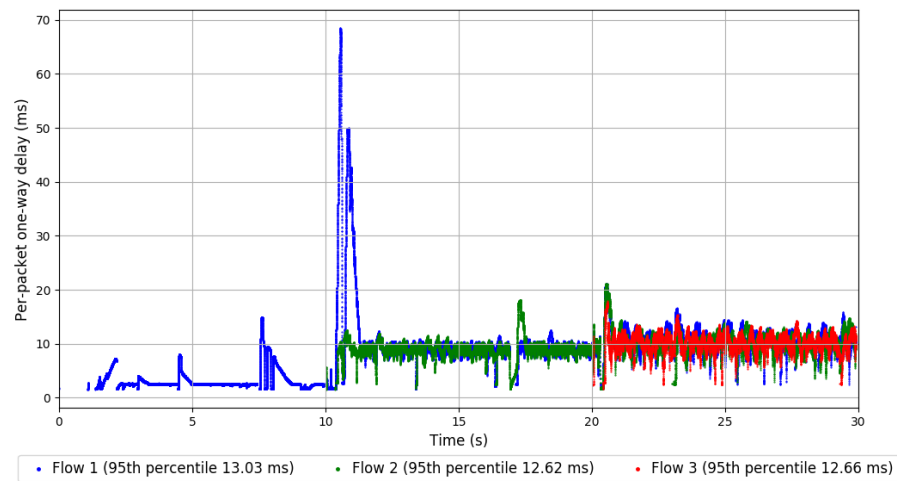
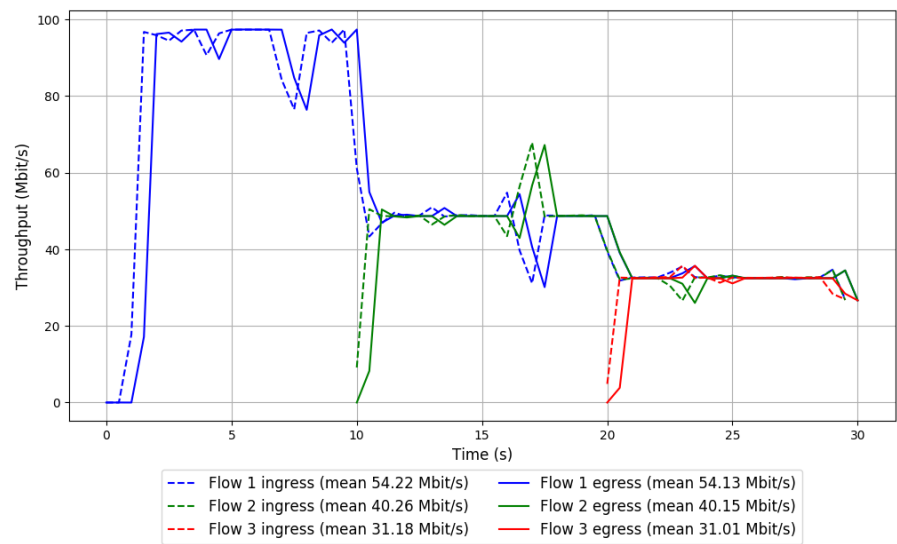
-- Flow 3:

Average throughput: 31.01 Mbit/s

95th percentile per-packet one-way delay: 12.664 ms

Loss rate: 0.58%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-12-11 16:43:53

End at: 2019-12-11 16:44:23

Local clock offset: -6.633 ms

Remote clock offset: 0.669 ms

Below is generated by plot.py at 2019-12-11 17:21:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.49 Mbit/s

95th percentile per-packet one-way delay: 13.001 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 54.54 Mbit/s

95th percentile per-packet one-way delay: 12.725 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 40.12 Mbit/s

95th percentile per-packet one-way delay: 13.280 ms

Loss rate: 0.34%

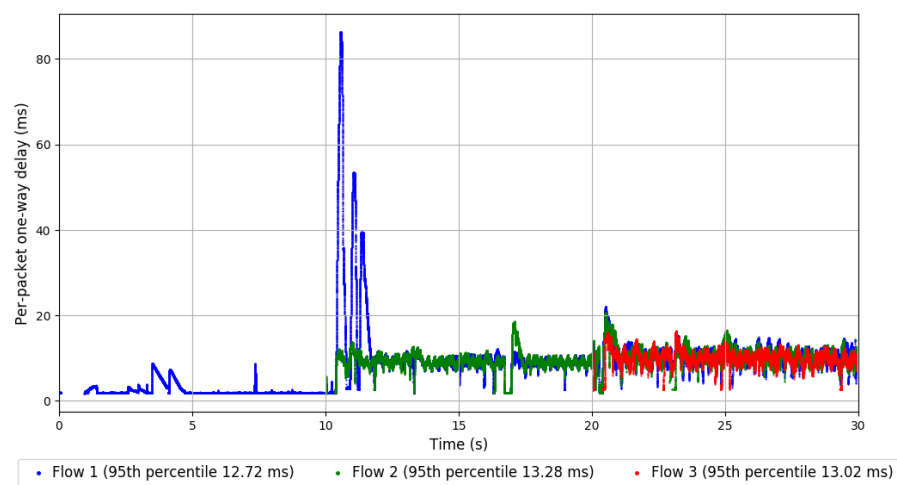
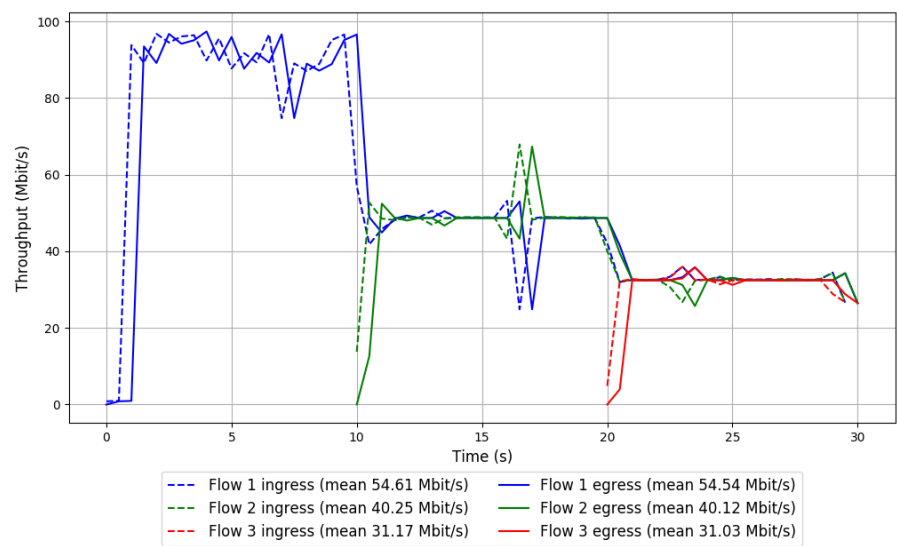
-- Flow 3:

Average throughput: 31.03 Mbit/s

95th percentile per-packet one-way delay: 13.022 ms

Loss rate: 0.46%

Run 5: Report of QUIC Cubic — Data Link

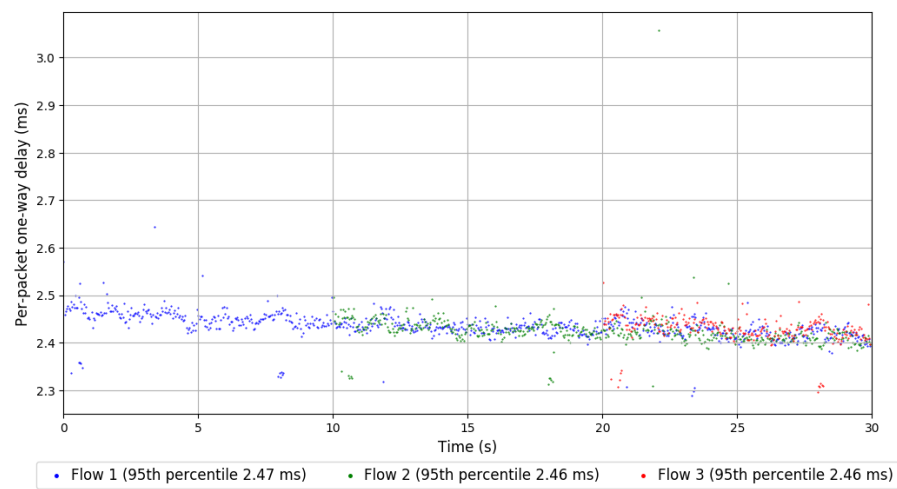
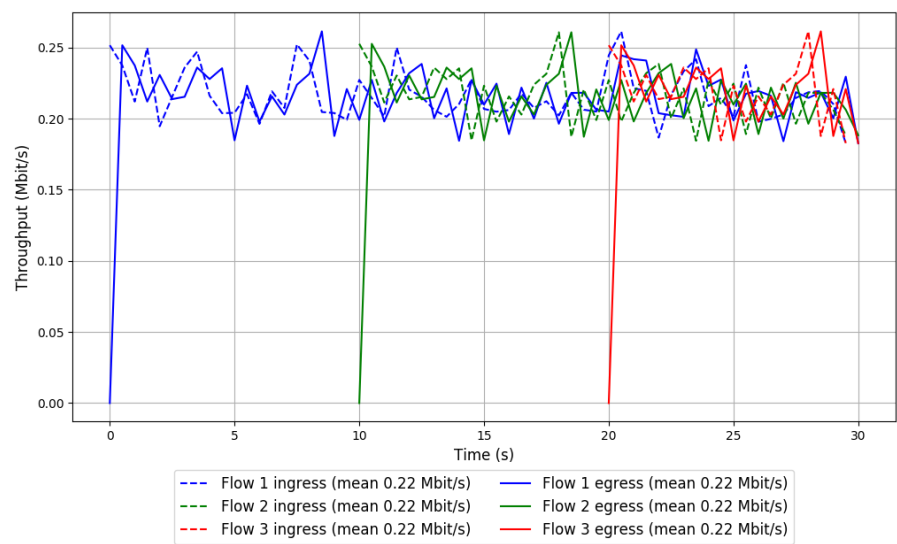


Run 1: Statistics of SReAM

Start at: 2019-12-11 15:13:15
End at: 2019-12-11 15:13:45
Local clock offset: -6.415 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2019-12-11 17:21:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.469 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.474 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.457 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.460 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SReAM

Start at: 2019-12-11 15:40:42

End at: 2019-12-11 15:41:12

Local clock offset: -6.072 ms

Remote clock offset: 0.436 ms

Below is generated by plot.py at 2019-12-11 17:21:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 1.810 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.824 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.800 ms

Loss rate: 0.00%

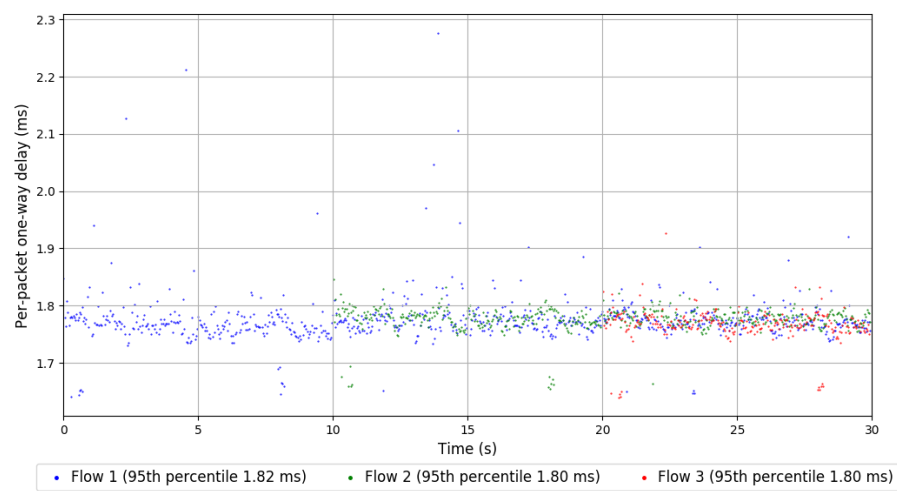
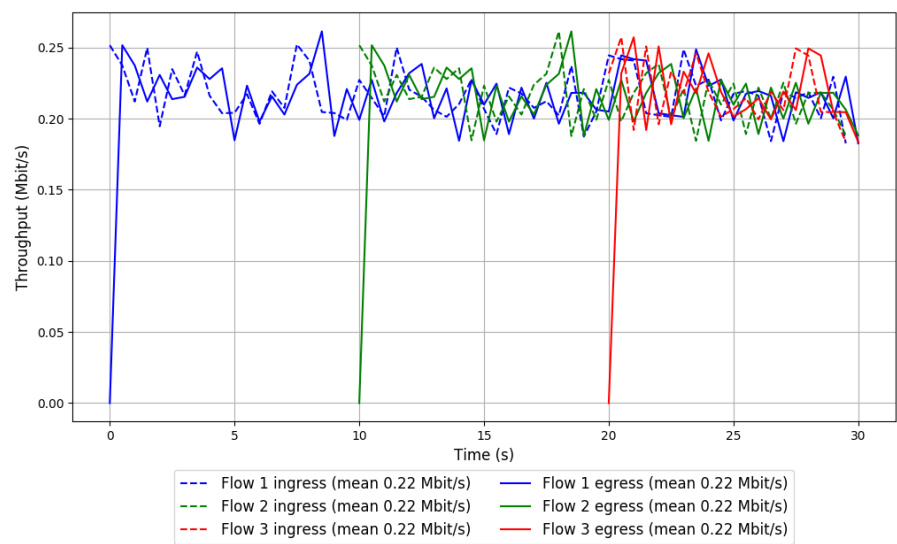
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.797 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

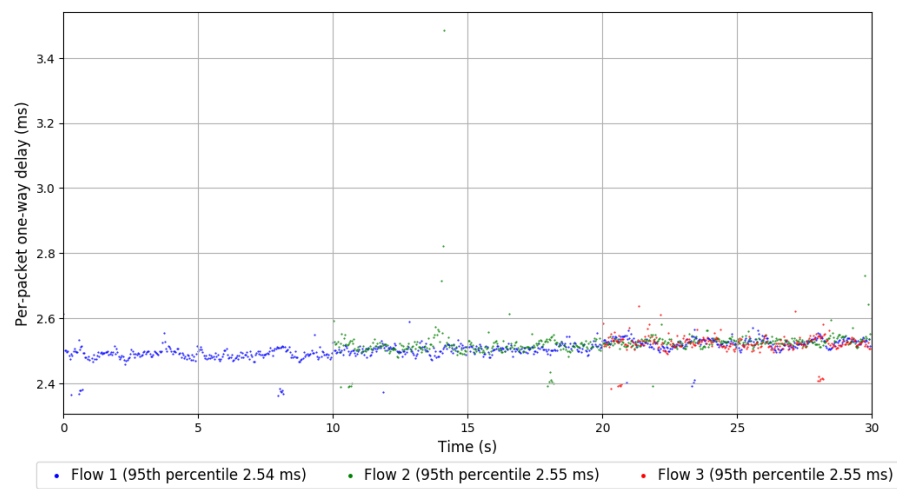
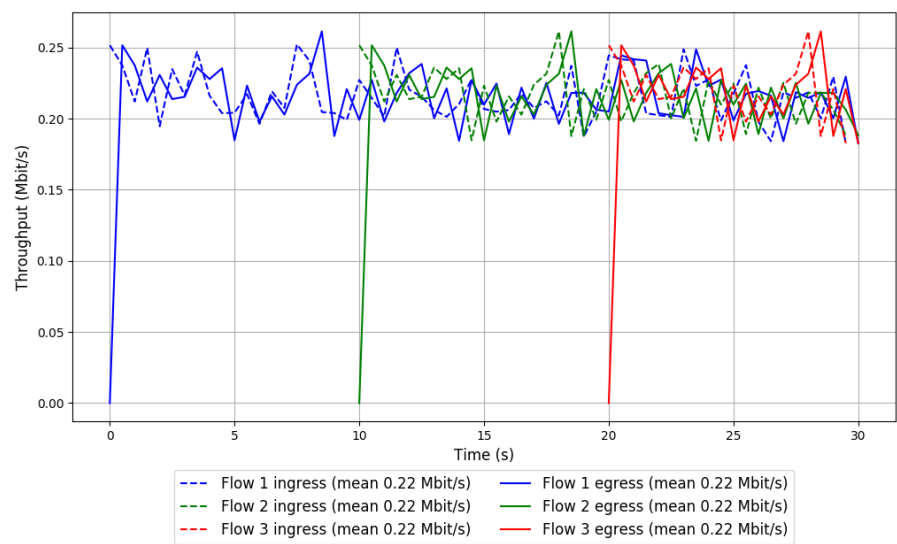


Run 3: Statistics of SReAM

Start at: 2019-12-11 16:08:13
End at: 2019-12-11 16:08:43
Local clock offset: -5.315 ms
Remote clock offset: 0.724 ms

Below is generated by plot.py at 2019-12-11 17:21:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.546 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.540 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.550 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.554 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

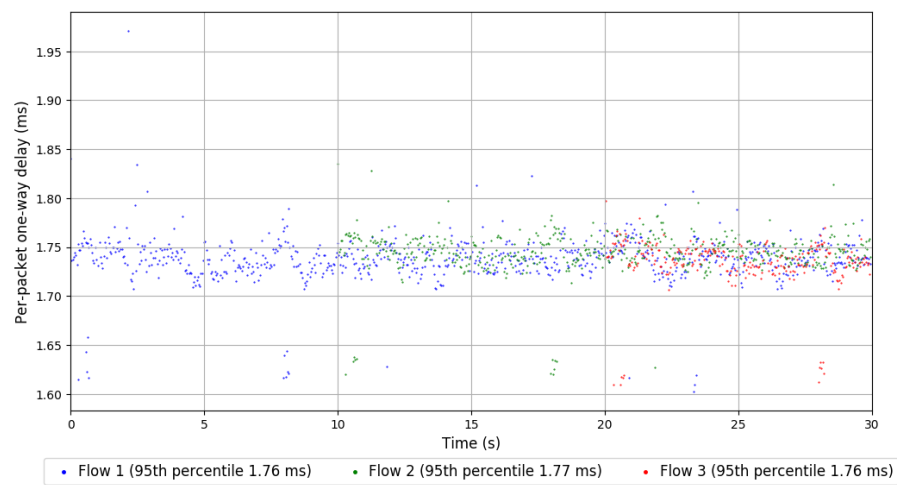
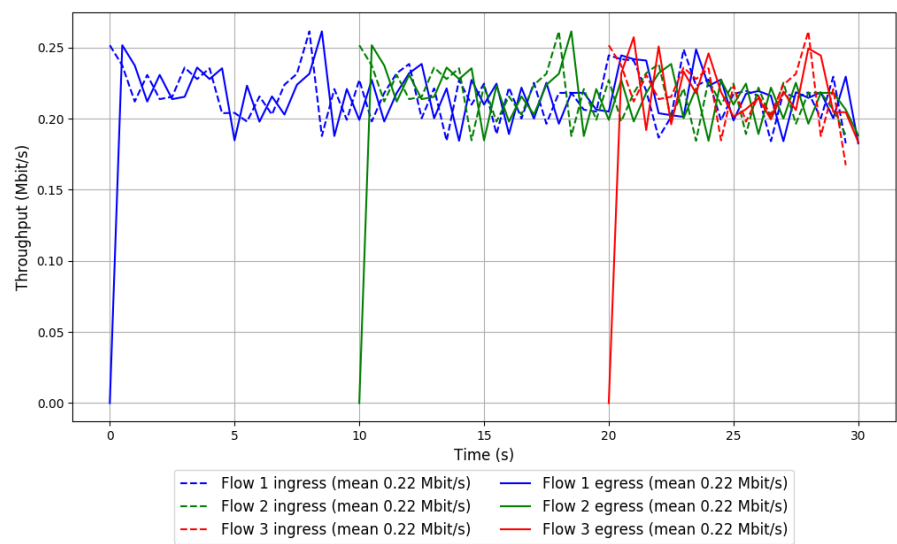


Run 4: Statistics of SReAM

Start at: 2019-12-11 16:35:42
End at: 2019-12-11 16:36:12
Local clock offset: -6.912 ms
Remote clock offset: 0.729 ms

Below is generated by plot.py at 2019-12-11 17:21:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 1.765 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.765 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.768 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.757 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2019-12-11 17:03:18

End at: 2019-12-11 17:03:48

Local clock offset: -6.308 ms

Remote clock offset: 0.708 ms

Below is generated by plot.py at 2019-12-11 17:21:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: 1.759 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.09 Mbit/s

95th percentile per-packet one-way delay: 1.696 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.760 ms

Loss rate: 0.00%

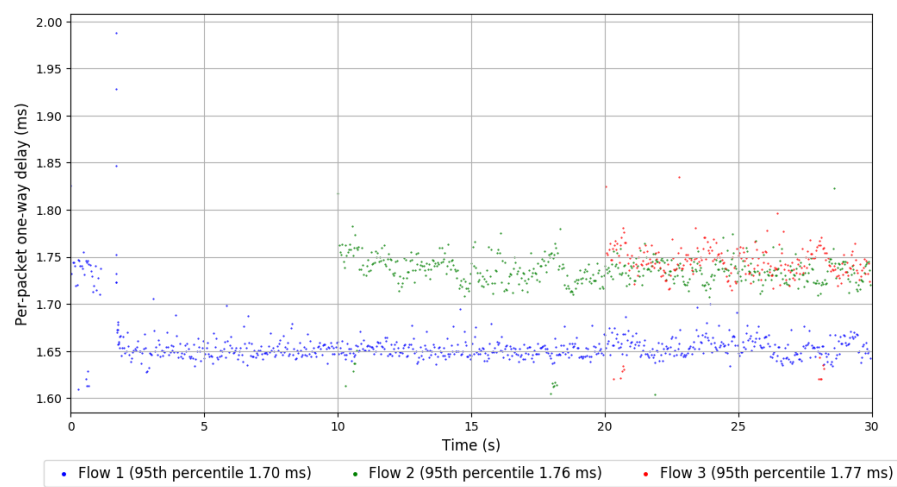
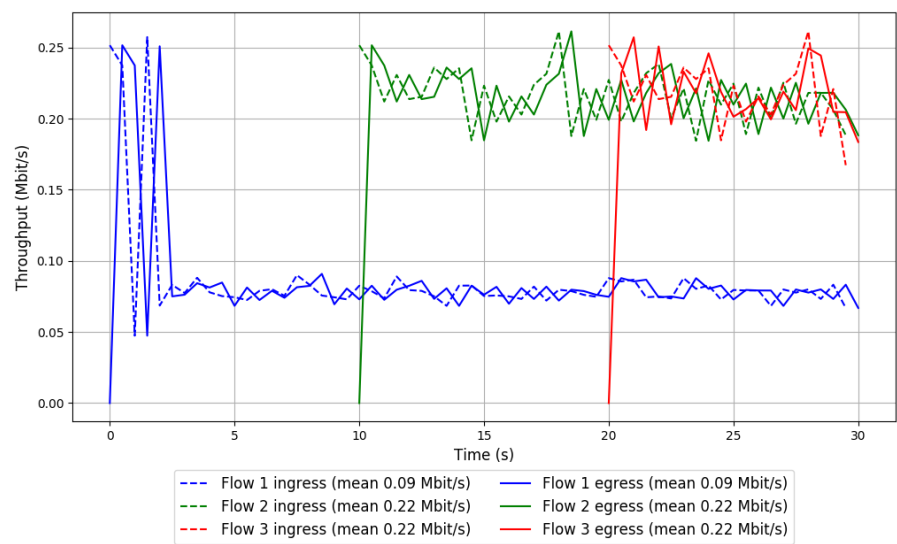
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.769 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2019-12-11 15:00:48

End at: 2019-12-11 15:01:18

Local clock offset: -7.124 ms

Remote clock offset: -0.18 ms

Below is generated by plot.py at 2019-12-11 17:21:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.06 Mbit/s

95th percentile per-packet one-way delay: 24.707 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 43.87 Mbit/s

95th percentile per-packet one-way delay: 23.680 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 39.90 Mbit/s

95th percentile per-packet one-way delay: 23.865 ms

Loss rate: 0.09%

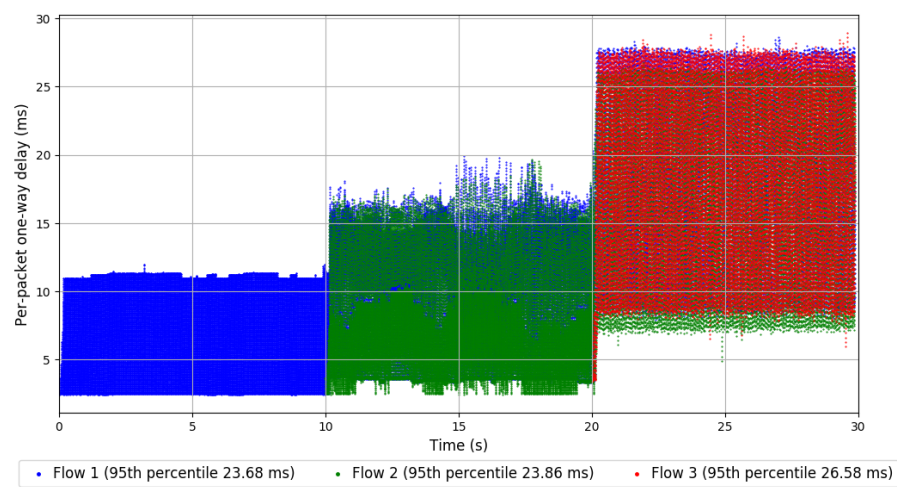
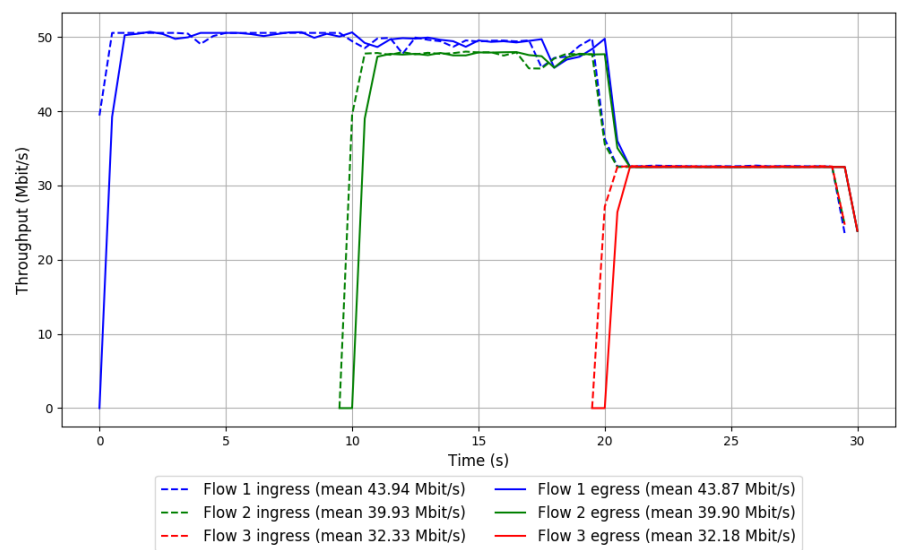
-- Flow 3:

Average throughput: 32.18 Mbit/s

95th percentile per-packet one-way delay: 26.584 ms

Loss rate: 0.45%

Run 1: Report of Sprout — Data Link

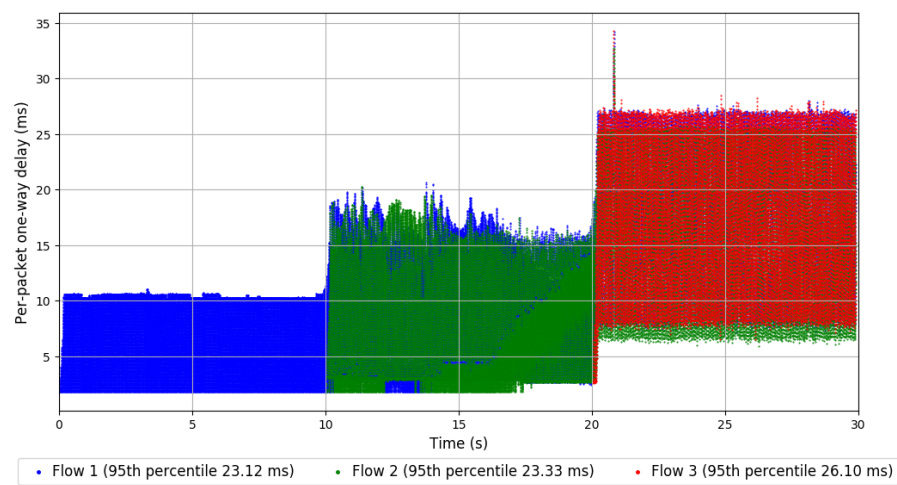
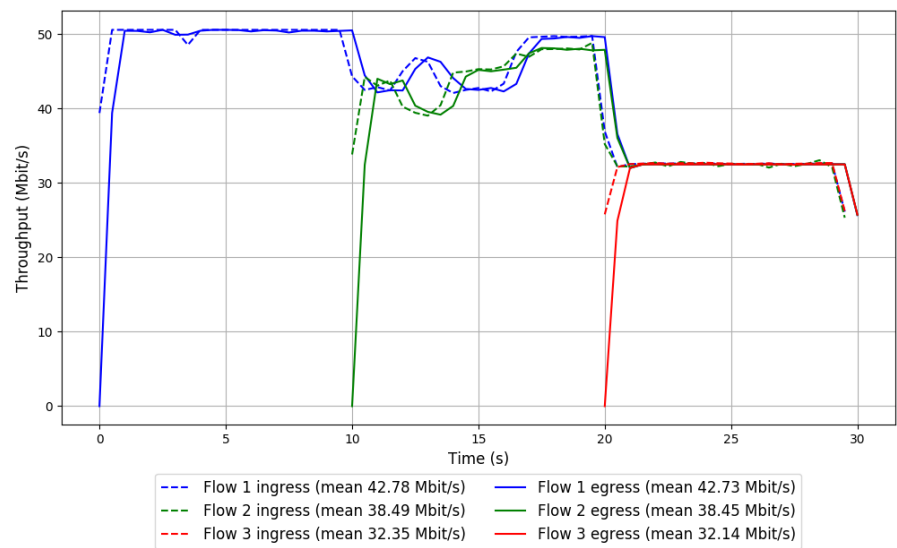


Run 2: Statistics of Sprout

Start at: 2019-12-11 15:28:16
End at: 2019-12-11 15:28:46
Local clock offset: -6.288 ms
Remote clock offset: 0.178 ms

Below is generated by plot.py at 2019-12-11 17:21:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.91 Mbit/s
95th percentile per-packet one-way delay: 24.183 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 42.73 Mbit/s
95th percentile per-packet one-way delay: 23.118 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 38.45 Mbit/s
95th percentile per-packet one-way delay: 23.326 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 32.14 Mbit/s
95th percentile per-packet one-way delay: 26.097 ms
Loss rate: 0.55%

Run 2: Report of Sprout — Data Link

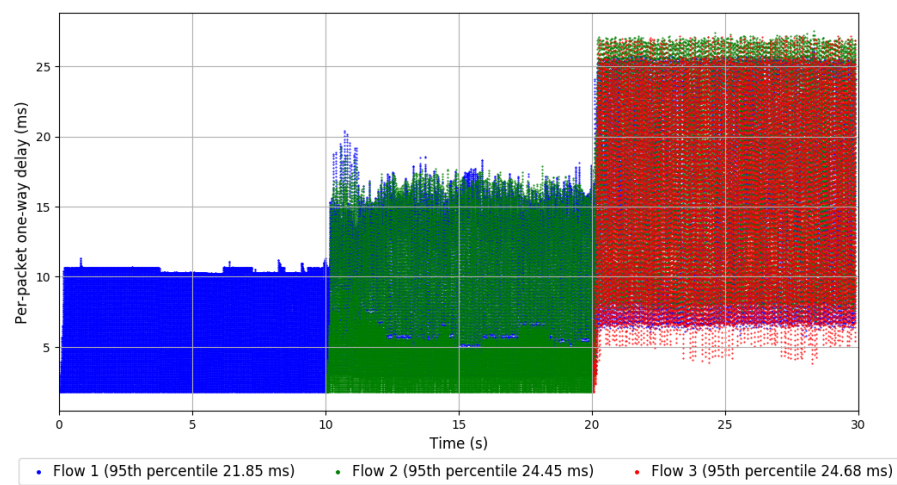
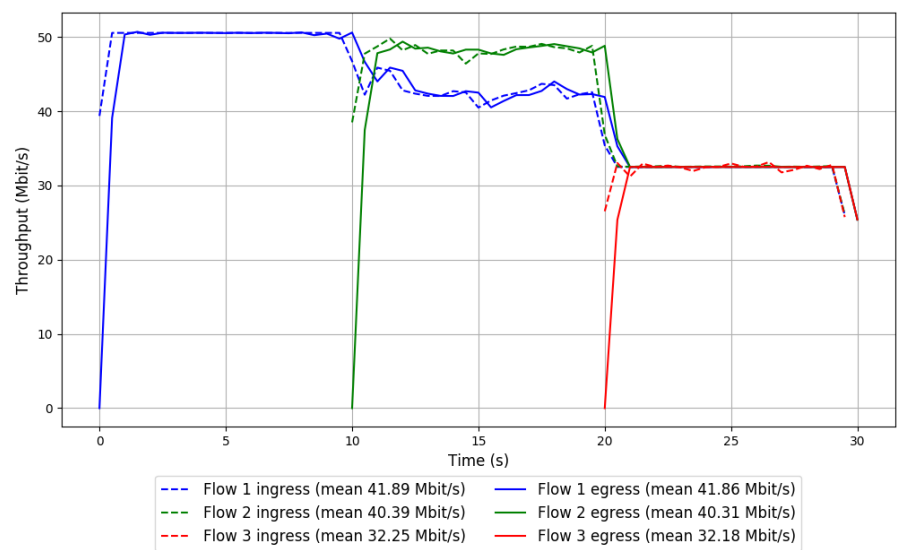


Run 3: Statistics of Sprout

Start at: 2019-12-11 15:55:43
End at: 2019-12-11 15:56:13
Local clock offset: -6.023 ms
Remote clock offset: 0.619 ms

Below is generated by plot.py at 2019-12-11 17:21:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.31 Mbit/s
95th percentile per-packet one-way delay: 23.624 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 41.86 Mbit/s
95th percentile per-packet one-way delay: 21.852 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.31 Mbit/s
95th percentile per-packet one-way delay: 24.455 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 32.18 Mbit/s
95th percentile per-packet one-way delay: 24.680 ms
Loss rate: 0.15%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2019-12-11 16:23:14

End at: 2019-12-11 16:23:44

Local clock offset: -6.014 ms

Remote clock offset: 0.721 ms

Below is generated by plot.py at 2019-12-11 17:21:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.57 Mbit/s

95th percentile per-packet one-way delay: 25.109 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 42.50 Mbit/s

95th percentile per-packet one-way delay: 23.586 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 39.76 Mbit/s

95th percentile per-packet one-way delay: 25.127 ms

Loss rate: 0.14%

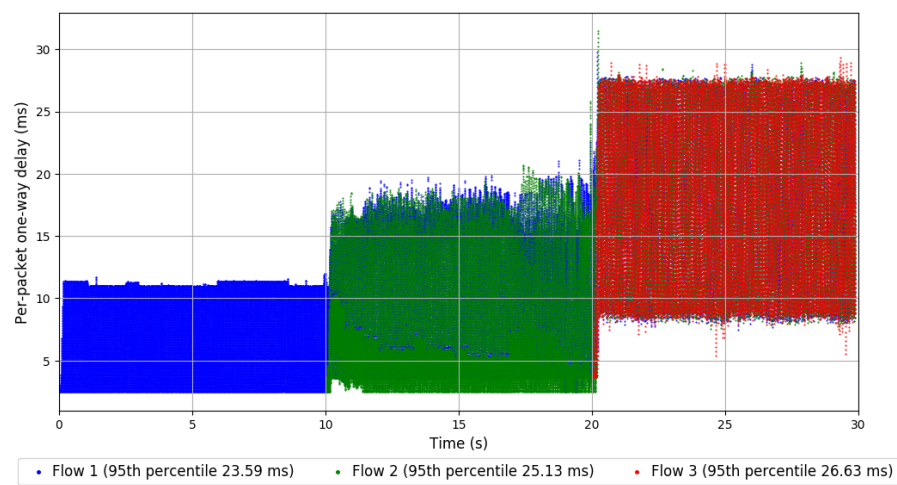
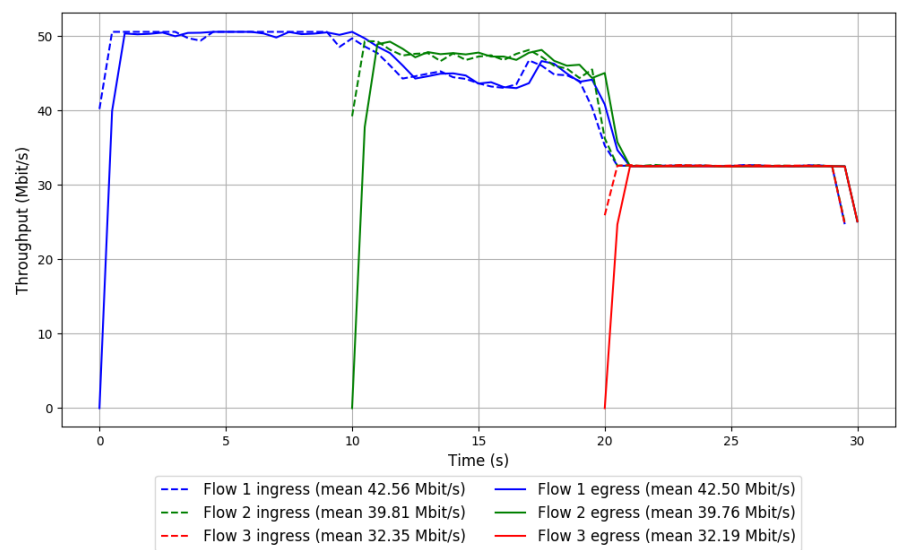
-- Flow 3:

Average throughput: 32.19 Mbit/s

95th percentile per-packet one-way delay: 26.628 ms

Loss rate: 0.40%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-12-11 16:50:47

End at: 2019-12-11 16:51:17

Local clock offset: -6.5 ms

Remote clock offset: 0.674 ms

Below is generated by plot.py at 2019-12-11 17:22:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.66 Mbit/s

95th percentile per-packet one-way delay: 23.691 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 43.00 Mbit/s

95th percentile per-packet one-way delay: 23.098 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 37.66 Mbit/s

95th percentile per-packet one-way delay: 23.339 ms

Loss rate: 0.07%

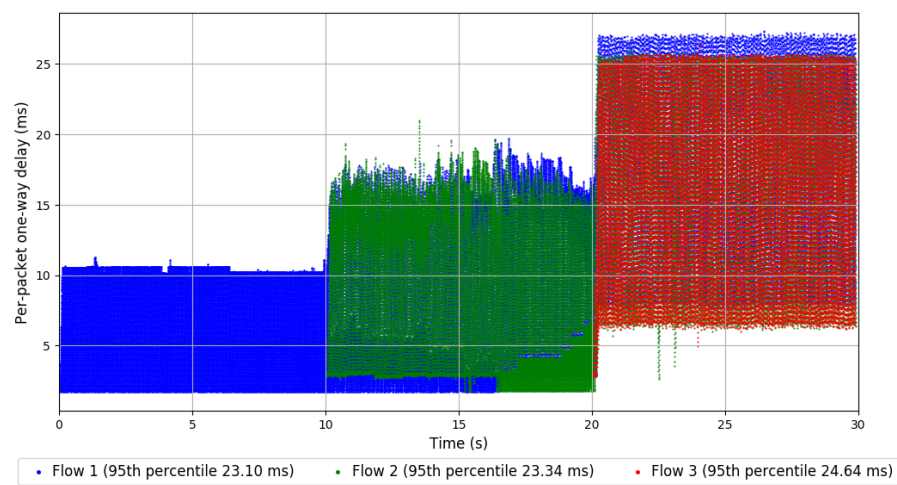
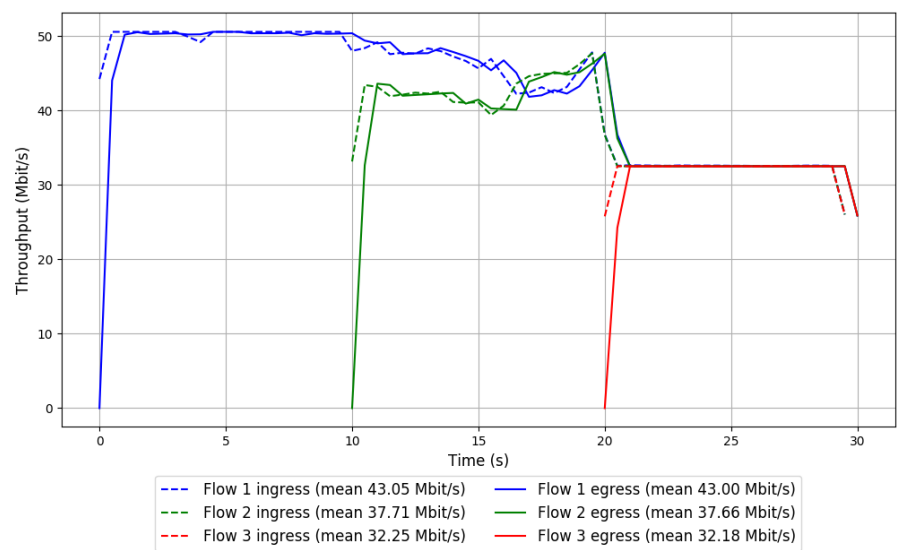
-- Flow 3:

Average throughput: 32.18 Mbit/s

95th percentile per-packet one-way delay: 24.640 ms

Loss rate: 0.26%

Run 5: Report of Sprout — Data Link

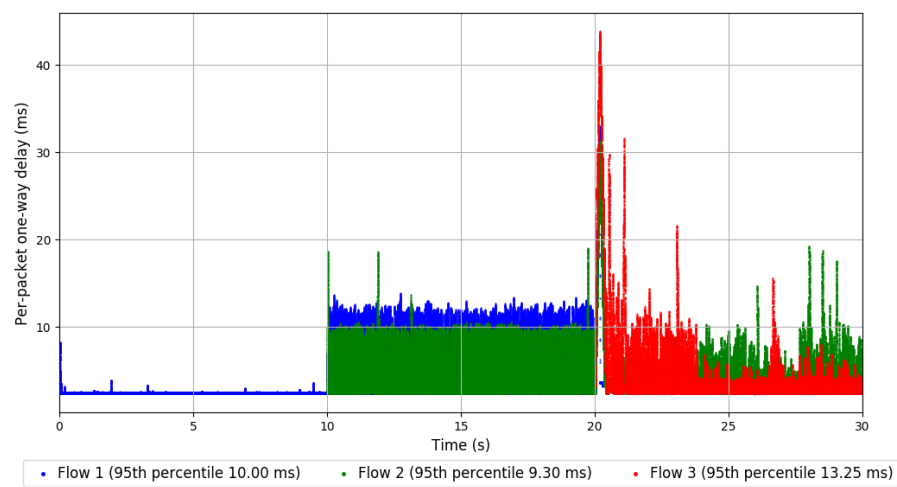
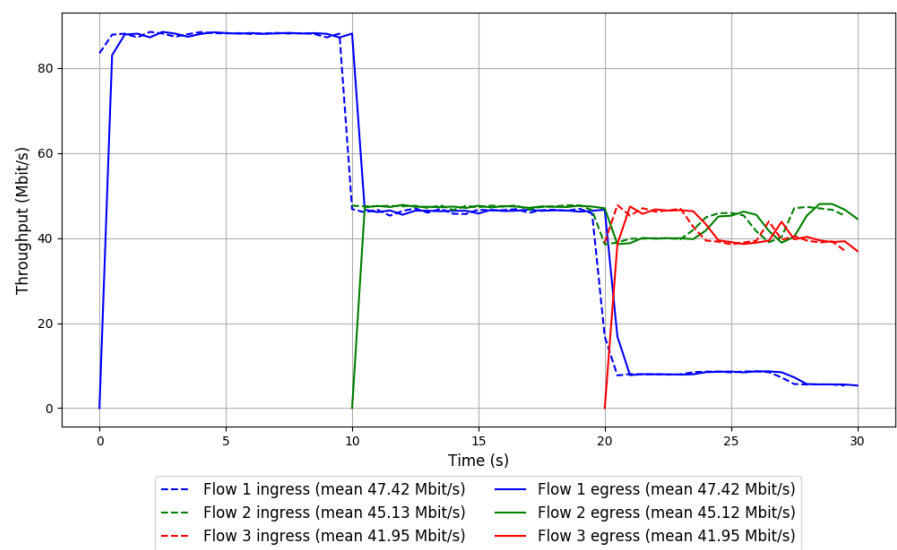


Run 1: Statistics of TaoVA-100x

Start at: 2019-12-11 14:51:33
End at: 2019-12-11 14:52:03
Local clock offset: -6.952 ms
Remote clock offset: -0.191 ms

Below is generated by plot.py at 2019-12-11 17:23:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.41 Mbit/s
95th percentile per-packet one-way delay: 9.782 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 47.42 Mbit/s
95th percentile per-packet one-way delay: 10.002 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.12 Mbit/s
95th percentile per-packet one-way delay: 9.297 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 41.95 Mbit/s
95th percentile per-packet one-way delay: 13.253 ms
Loss rate: 0.03%

Run 1: Report of TaoVA-100x — Data Link



Run 2: Statistics of TaoVA-100x

Start at: 2019-12-11 15:19:04

End at: 2019-12-11 15:19:34

Local clock offset: -5.859 ms

Remote clock offset: 0.095 ms

Below is generated by plot.py at 2019-12-11 17:23:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.10 Mbit/s

95th percentile per-packet one-way delay: 154.151 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 50.04 Mbit/s

95th percentile per-packet one-way delay: 19.032 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 30.33 Mbit/s

95th percentile per-packet one-way delay: 153.399 ms

Loss rate: 0.05%

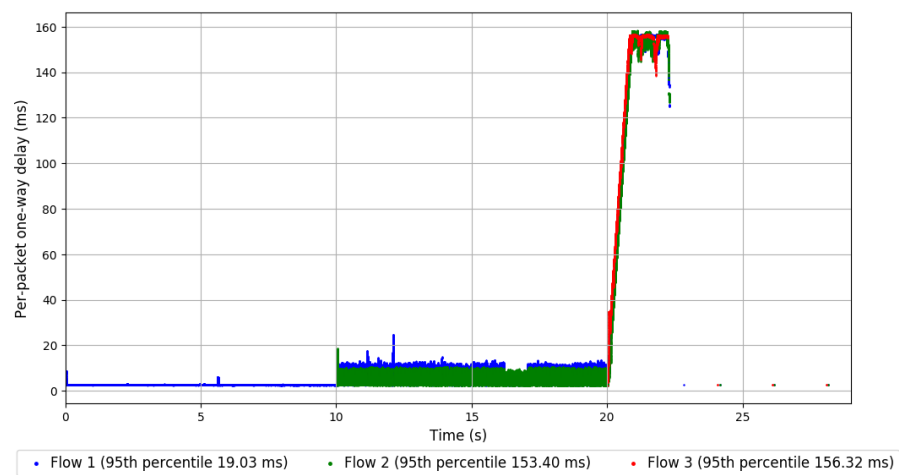
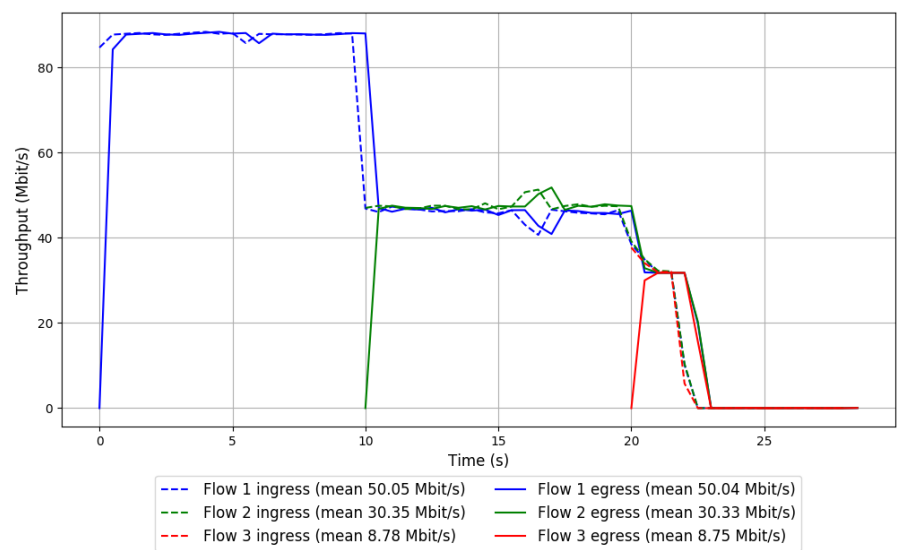
-- Flow 3:

Average throughput: 8.75 Mbit/s

95th percentile per-packet one-way delay: 156.318 ms

Loss rate: 0.35%

Run 2: Report of TaoVA-100x — Data Link



Run 3: Statistics of TaoVA-100x

Start at: 2019-12-11 15:46:31

End at: 2019-12-11 15:47:01

Local clock offset: -5.36 ms

Remote clock offset: 0.502 ms

Below is generated by plot.py at 2019-12-11 17:23:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.66 Mbit/s

95th percentile per-packet one-way delay: 151.765 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 49.89 Mbit/s

95th percentile per-packet one-way delay: 19.043 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 29.87 Mbit/s

95th percentile per-packet one-way delay: 151.890 ms

Loss rate: 0.06%

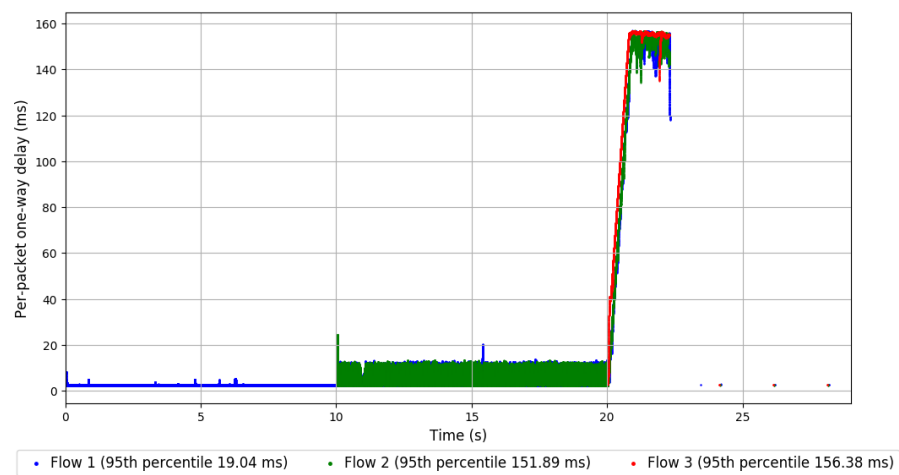
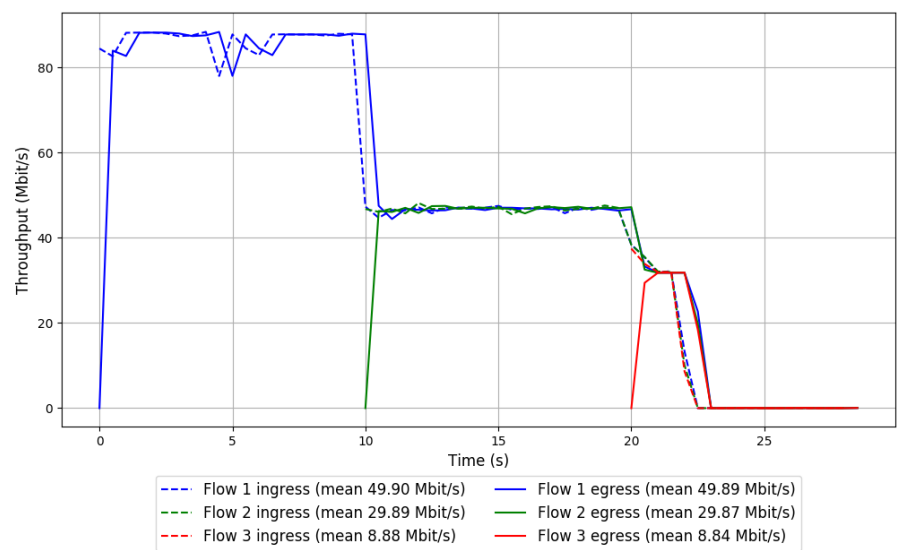
-- Flow 3:

Average throughput: 8.84 Mbit/s

95th percentile per-packet one-way delay: 156.378 ms

Loss rate: 0.46%

Run 3: Report of TaoVA-100x — Data Link



Run 4: Statistics of TaoVA-100x

Start at: 2019-12-11 16:14:02

End at: 2019-12-11 16:14:32

Local clock offset: -5.694 ms

Remote clock offset: 0.798 ms

Below is generated by plot.py at 2019-12-11 17:23:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.25 Mbit/s

95th percentile per-packet one-way delay: 153.390 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 50.24 Mbit/s

95th percentile per-packet one-way delay: 10.159 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 29.64 Mbit/s

95th percentile per-packet one-way delay: 155.328 ms

Loss rate: 0.04%

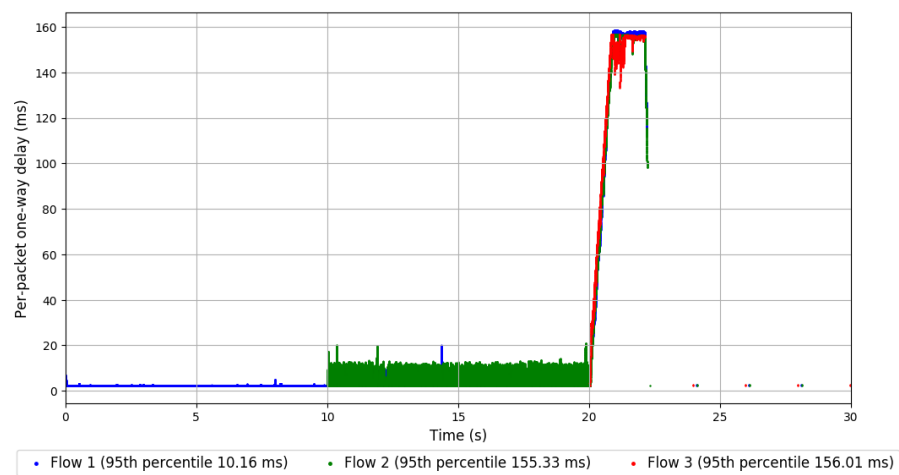
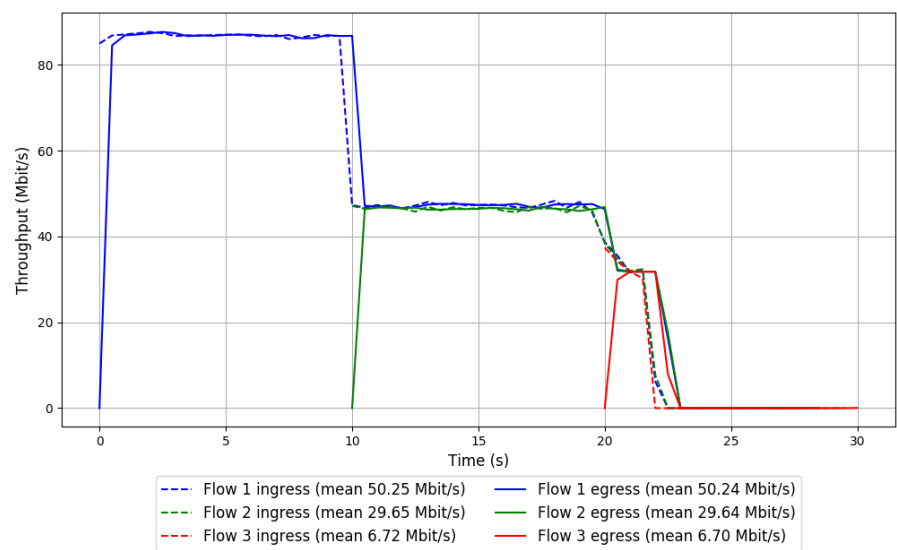
-- Flow 3:

Average throughput: 6.70 Mbit/s

95th percentile per-packet one-way delay: 156.009 ms

Loss rate: 0.34%

Run 4: Report of TaoVA-100x — Data Link



Run 5: Statistics of TaoVA-100x

Start at: 2019-12-11 16:41:32

End at: 2019-12-11 16:42:02

Local clock offset: -6.746 ms

Remote clock offset: 0.686 ms

Below is generated by plot.py at 2019-12-11 17:23:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.98 Mbit/s

95th percentile per-packet one-way delay: 10.398 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 58.74 Mbit/s

95th percentile per-packet one-way delay: 9.046 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 26.60 Mbit/s

95th percentile per-packet one-way delay: 10.887 ms

Loss rate: 0.06%

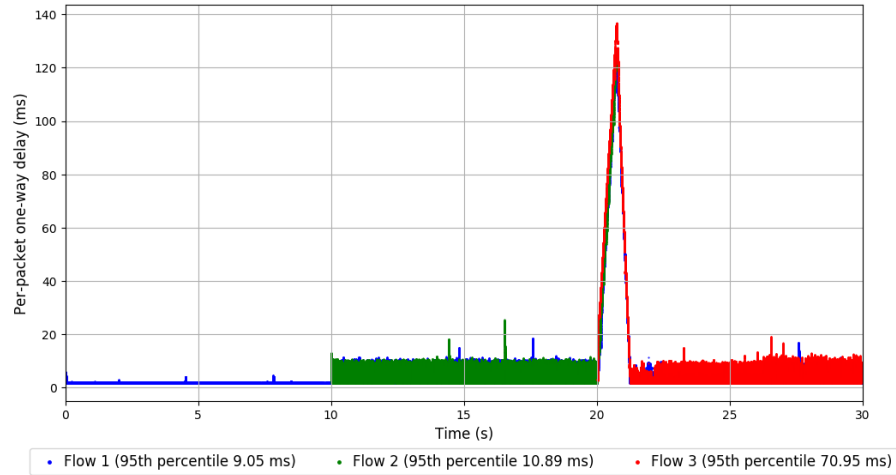
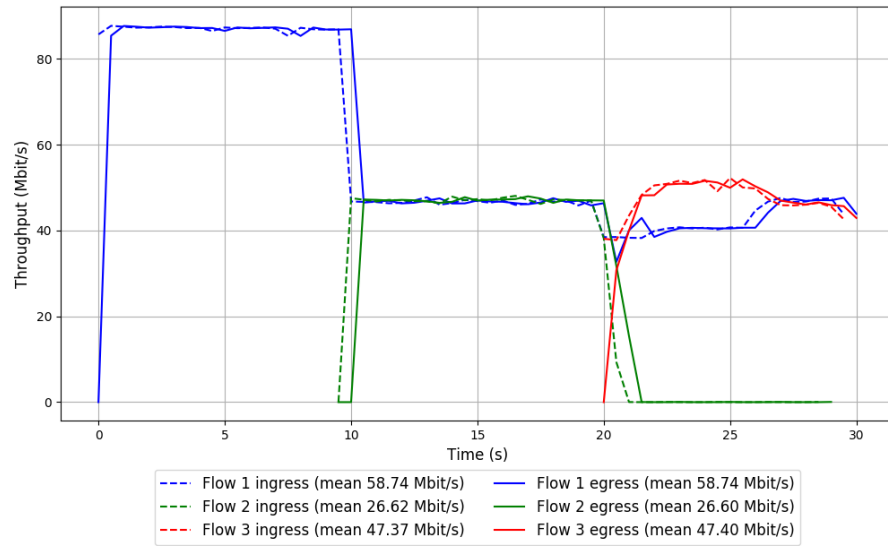
-- Flow 3:

Average throughput: 47.40 Mbit/s

95th percentile per-packet one-way delay: 70.947 ms

Loss rate: 0.04%

Run 5: Report of TaoVA-100x — Data Link

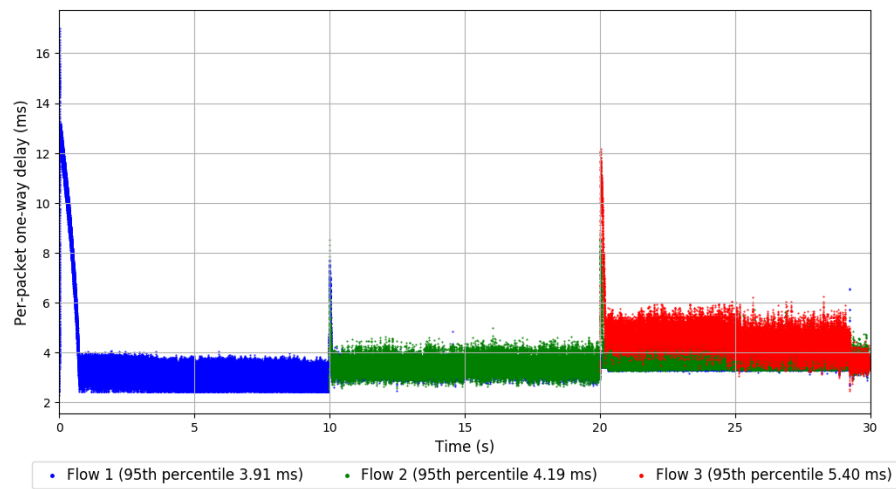
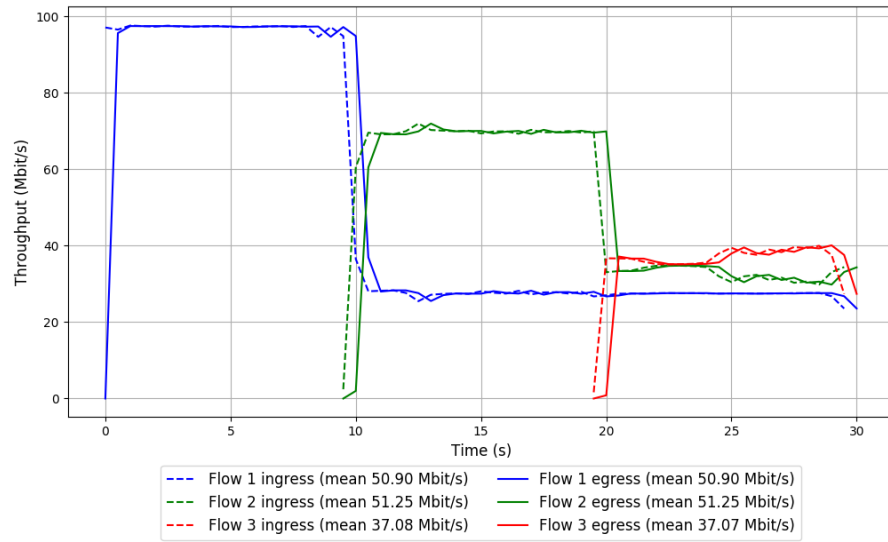


Run 1: Statistics of TCP Vegas

Start at: 2019-12-11 15:05:19
End at: 2019-12-11 15:05:49
Local clock offset: -7.137 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2019-12-11 17:23:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.41 Mbit/s
95th percentile per-packet one-way delay: 4.964 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 50.90 Mbit/s
95th percentile per-packet one-way delay: 3.908 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 51.25 Mbit/s
95th percentile per-packet one-way delay: 4.193 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 37.07 Mbit/s
95th percentile per-packet one-way delay: 5.402 ms
Loss rate: 0.04%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-12-11 15:32:47

End at: 2019-12-11 15:33:17

Local clock offset: -6.144 ms

Remote clock offset: 0.292 ms

Below is generated by plot.py at 2019-12-11 17:23:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.76 Mbit/s

95th percentile per-packet one-way delay: 3.296 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 58.43 Mbit/s

95th percentile per-packet one-way delay: 3.261 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 37.16 Mbit/s

95th percentile per-packet one-way delay: 3.144 ms

Loss rate: 0.02%

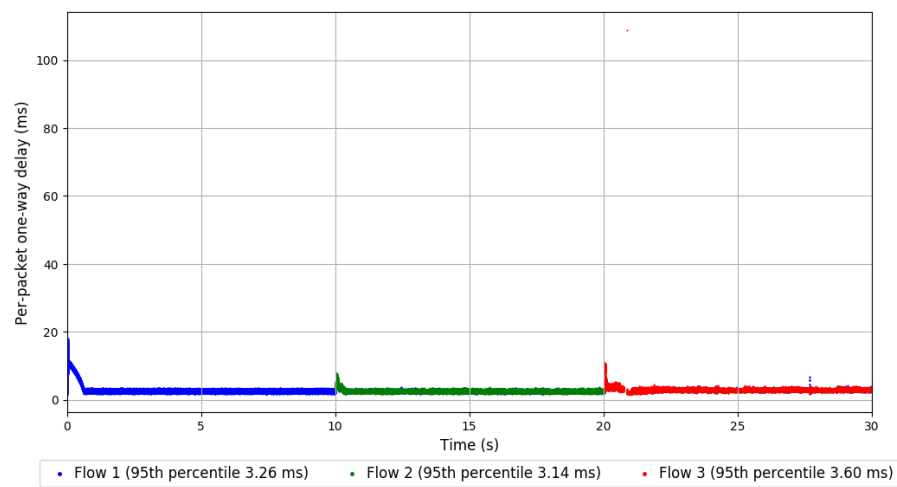
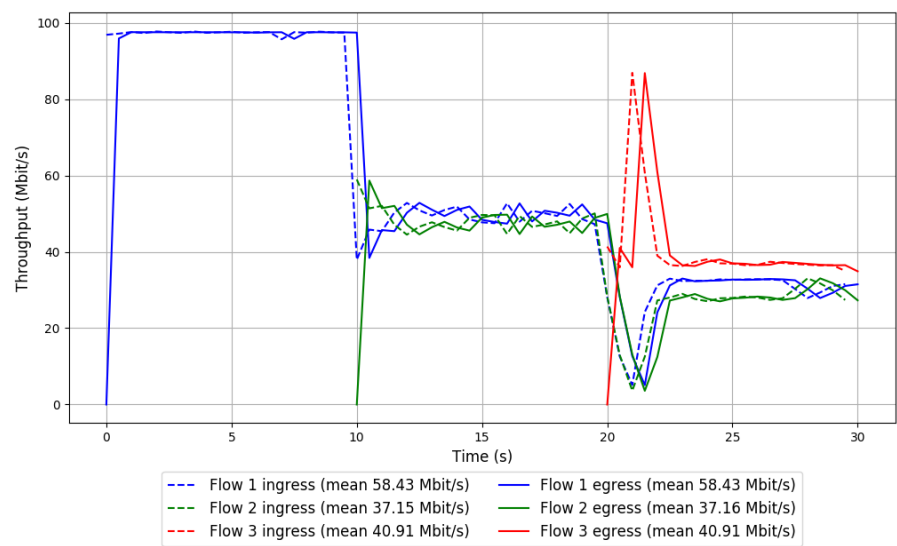
-- Flow 3:

Average throughput: 40.91 Mbit/s

95th percentile per-packet one-way delay: 3.597 ms

Loss rate: 0.04%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-12-11 16:00:15

End at: 2019-12-11 16:00:45

Local clock offset: -6.035 ms

Remote clock offset: 0.71 ms

Below is generated by plot.py at 2019-12-11 17:23:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 4.295 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 50.60 Mbit/s

95th percentile per-packet one-way delay: 4.500 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 49.58 Mbit/s

95th percentile per-packet one-way delay: 3.975 ms

Loss rate: 0.01%

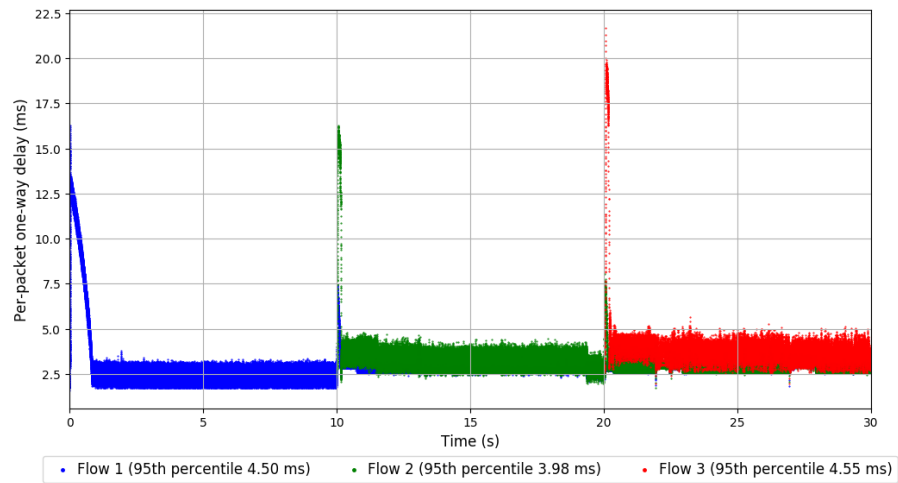
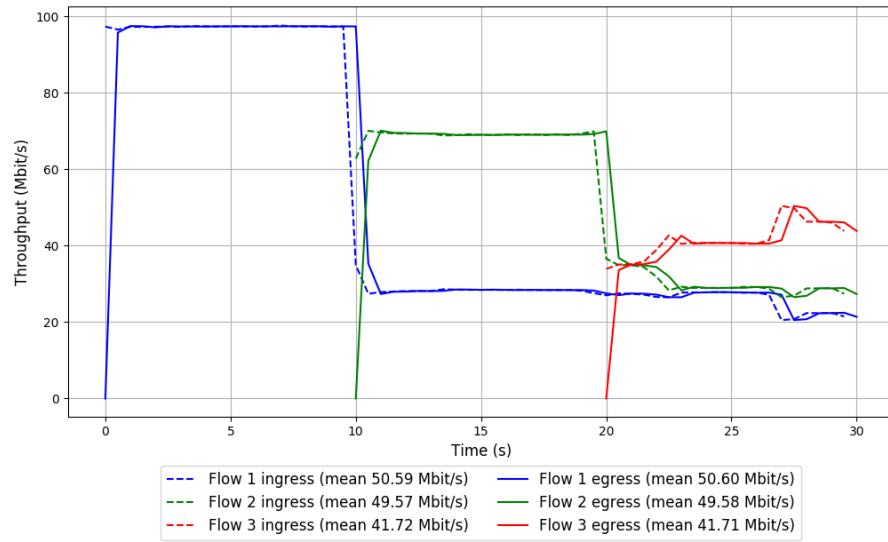
-- Flow 3:

Average throughput: 41.71 Mbit/s

95th percentile per-packet one-way delay: 4.546 ms

Loss rate: 0.05%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-12-11 16:27:45

End at: 2019-12-11 16:28:15

Local clock offset: -6.166 ms

Remote clock offset: 0.777 ms

Below is generated by plot.py at 2019-12-11 17:23:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.45 Mbit/s

95th percentile per-packet one-way delay: 4.640 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 51.65 Mbit/s

95th percentile per-packet one-way delay: 3.844 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 51.68 Mbit/s

95th percentile per-packet one-way delay: 4.621 ms

Loss rate: 0.02%

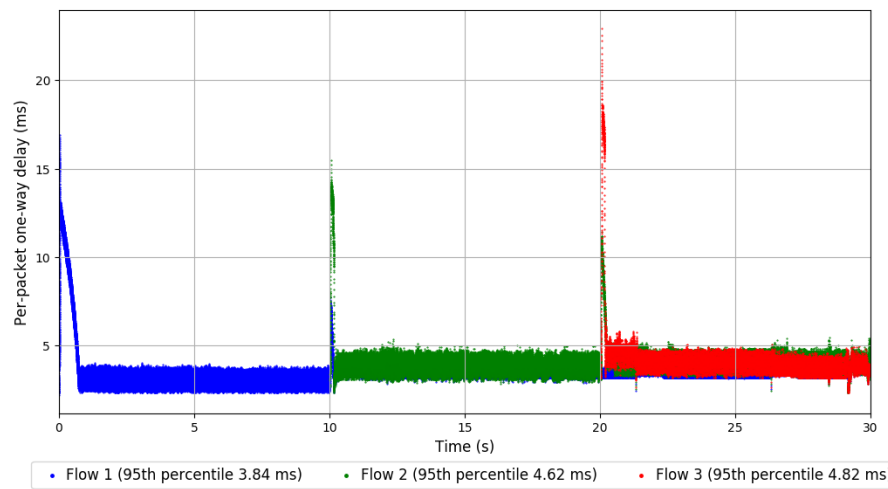
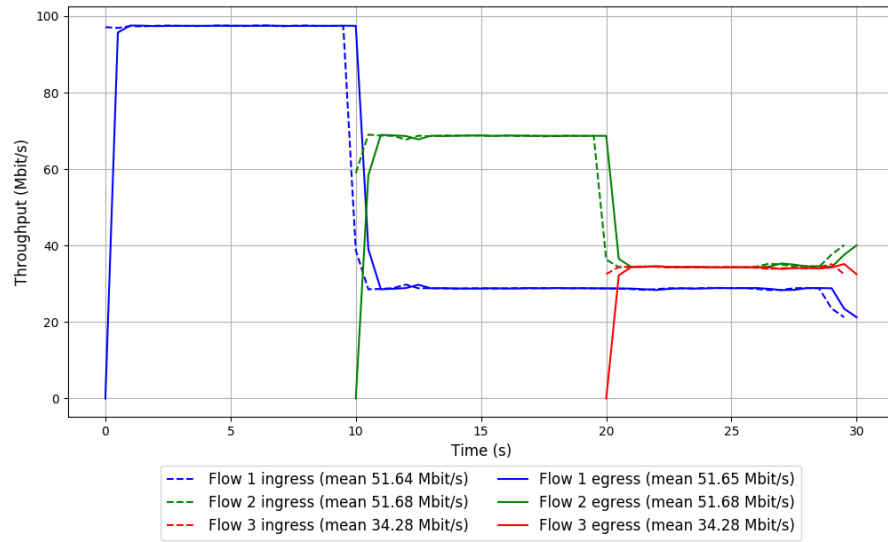
-- Flow 3:

Average throughput: 34.28 Mbit/s

95th percentile per-packet one-way delay: 4.823 ms

Loss rate: 0.04%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-12-11 16:55:20

End at: 2019-12-11 16:55:50

Local clock offset: -5.747 ms

Remote clock offset: 0.706 ms

Below is generated by plot.py at 2019-12-11 17:23:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.44 Mbit/s

95th percentile per-packet one-way delay: 4.674 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 56.57 Mbit/s

95th percentile per-packet one-way delay: 3.837 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 42.06 Mbit/s

95th percentile per-packet one-way delay: 3.983 ms

Loss rate: 0.02%

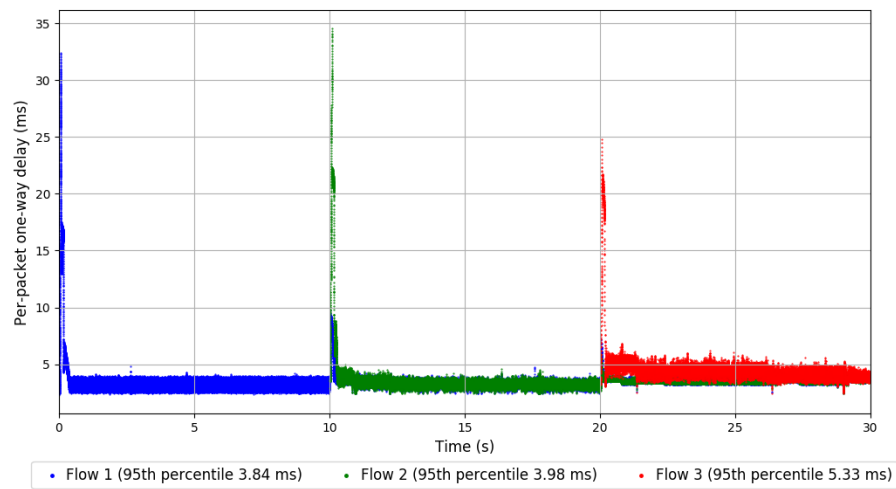
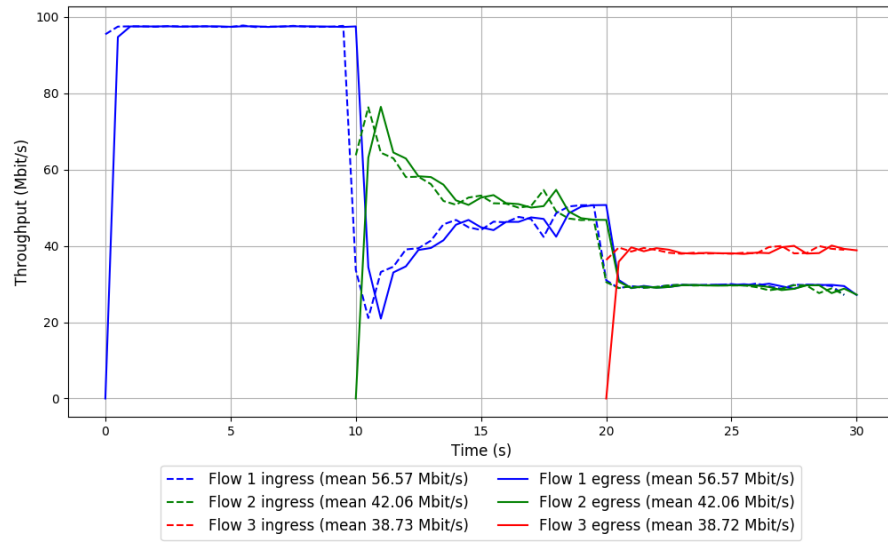
-- Flow 3:

Average throughput: 38.72 Mbit/s

95th percentile per-packet one-way delay: 5.326 ms

Loss rate: 0.05%

Run 5: Report of TCP Vegas — Data Link

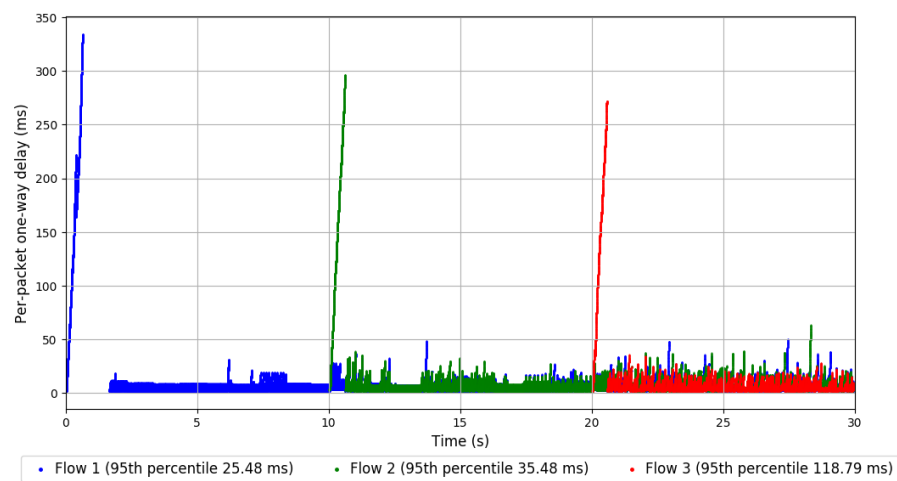
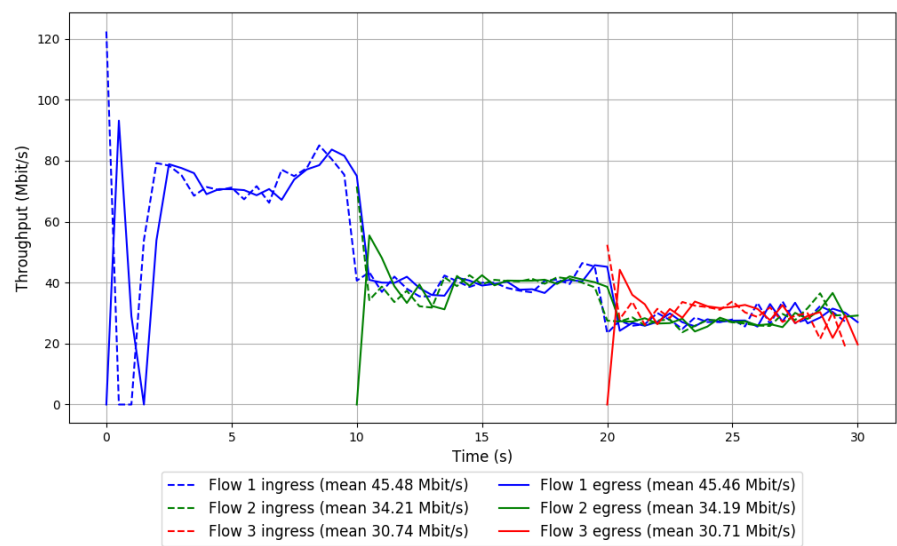


Run 1: Statistics of Verus

Start at: 2019-12-11 14:56:11
End at: 2019-12-11 14:56:41
Local clock offset: -7.674 ms
Remote clock offset: -0.186 ms

Below is generated by plot.py at 2019-12-11 17:23:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.41 Mbit/s
95th percentile per-packet one-way delay: 32.849 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 45.46 Mbit/s
95th percentile per-packet one-way delay: 25.479 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 34.19 Mbit/s
95th percentile per-packet one-way delay: 35.482 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 30.71 Mbit/s
95th percentile per-packet one-way delay: 118.790 ms
Loss rate: 0.11%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-12-11 15:23:39

End at: 2019-12-11 15:24:09

Local clock offset: -5.669 ms

Remote clock offset: 0.247 ms

Below is generated by plot.py at 2019-12-11 17:23:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.68 Mbit/s

95th percentile per-packet one-way delay: 24.223 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 45.53 Mbit/s

95th percentile per-packet one-way delay: 23.321 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 40.12 Mbit/s

95th percentile per-packet one-way delay: 21.423 ms

Loss rate: 0.01%

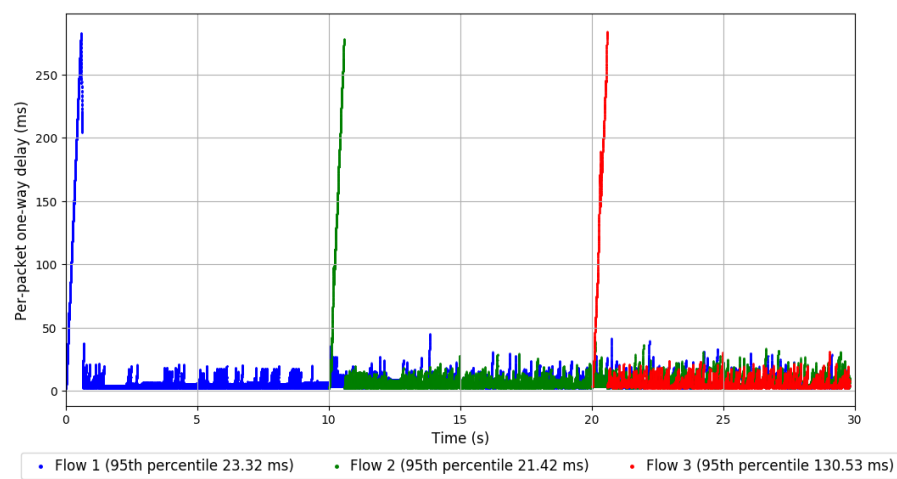
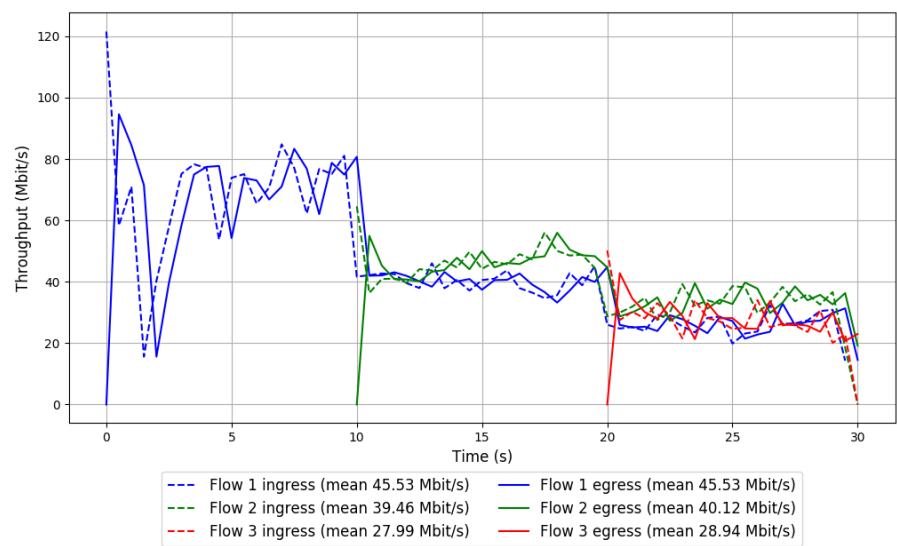
-- Flow 3:

Average throughput: 28.94 Mbit/s

95th percentile per-packet one-way delay: 130.525 ms

Loss rate: 0.04%

Run 2: Report of Verus — Data Link

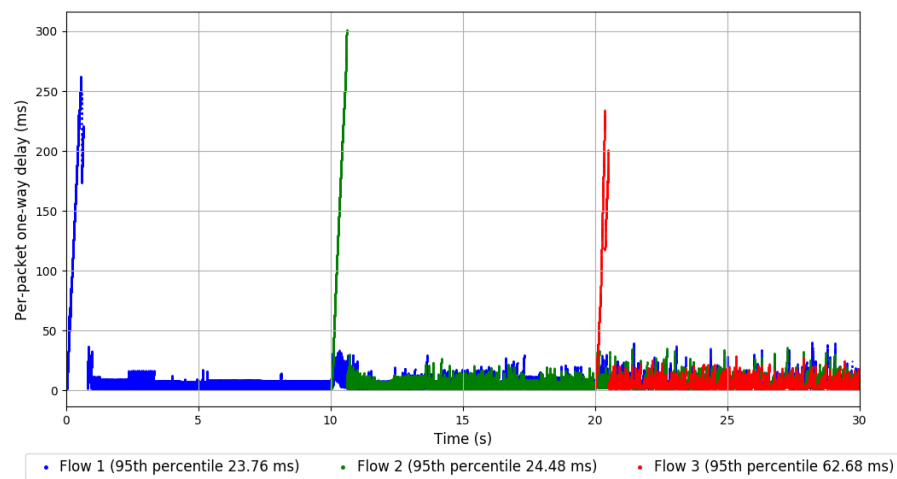
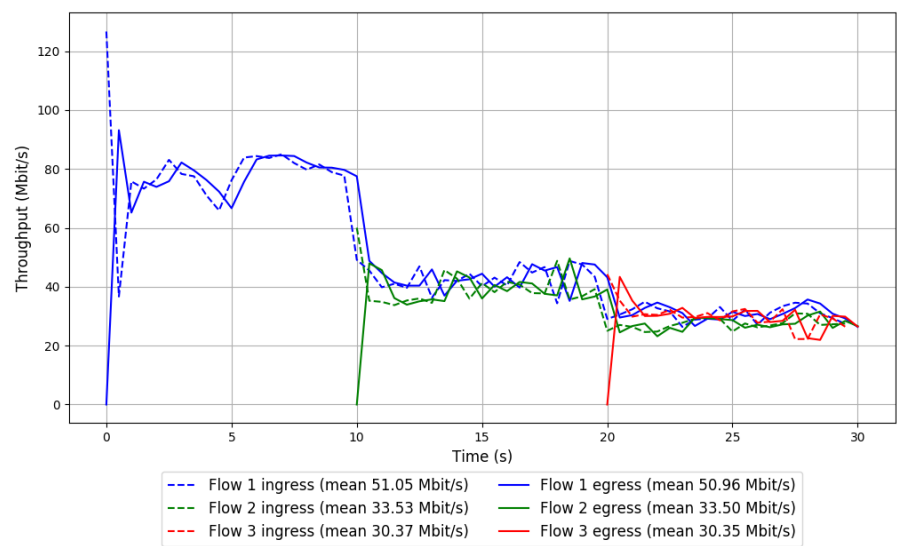


Run 3: Statistics of Verus

Start at: 2019-12-11 15:51:06
End at: 2019-12-11 15:51:36
Local clock offset: -6.031 ms
Remote clock offset: 0.619 ms

Below is generated by plot.py at 2019-12-11 17:23:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.35 Mbit/s
95th percentile per-packet one-way delay: 25.043 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 50.96 Mbit/s
95th percentile per-packet one-way delay: 23.757 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 33.50 Mbit/s
95th percentile per-packet one-way delay: 24.477 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 30.35 Mbit/s
95th percentile per-packet one-way delay: 62.677 ms
Loss rate: 0.06%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-12-11 16:18:37

End at: 2019-12-11 16:19:07

Local clock offset: -5.896 ms

Remote clock offset: 0.787 ms

Below is generated by plot.py at 2019-12-11 17:24:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.07 Mbit/s

95th percentile per-packet one-way delay: 29.234 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 39.76 Mbit/s

95th percentile per-packet one-way delay: 27.876 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 39.63 Mbit/s

95th percentile per-packet one-way delay: 23.311 ms

Loss rate: 0.07%

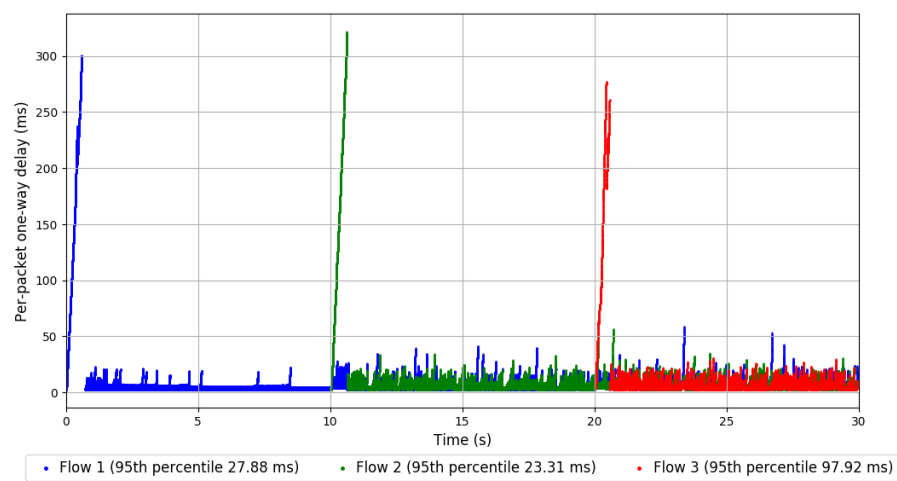
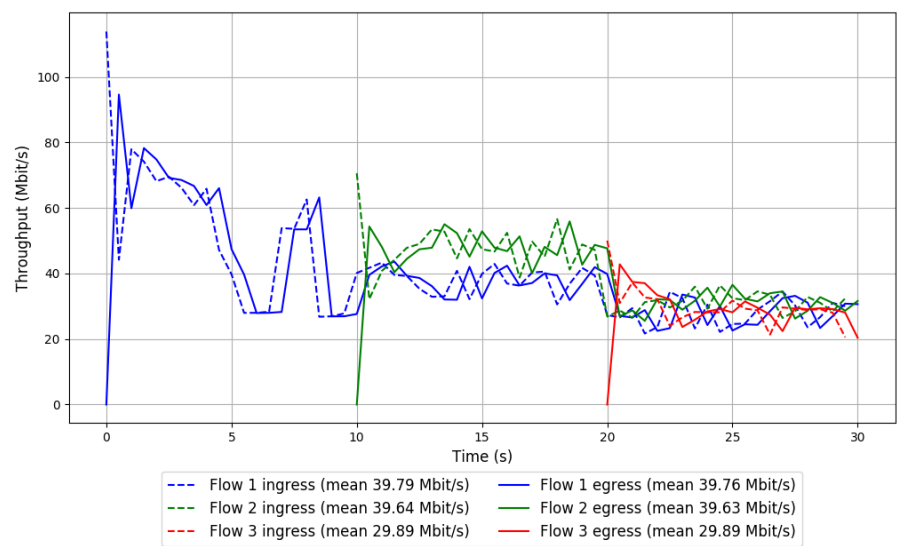
-- Flow 3:

Average throughput: 29.89 Mbit/s

95th percentile per-packet one-way delay: 97.920 ms

Loss rate: 0.07%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-12-11 16:46:10

End at: 2019-12-11 16:46:40

Local clock offset: -5.858 ms

Remote clock offset: 0.614 ms

Below is generated by plot.py at 2019-12-11 17:24:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.06 Mbit/s

95th percentile per-packet one-way delay: 25.990 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 49.04 Mbit/s

95th percentile per-packet one-way delay: 21.777 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 33.56 Mbit/s

95th percentile per-packet one-way delay: 28.051 ms

Loss rate: 0.02%

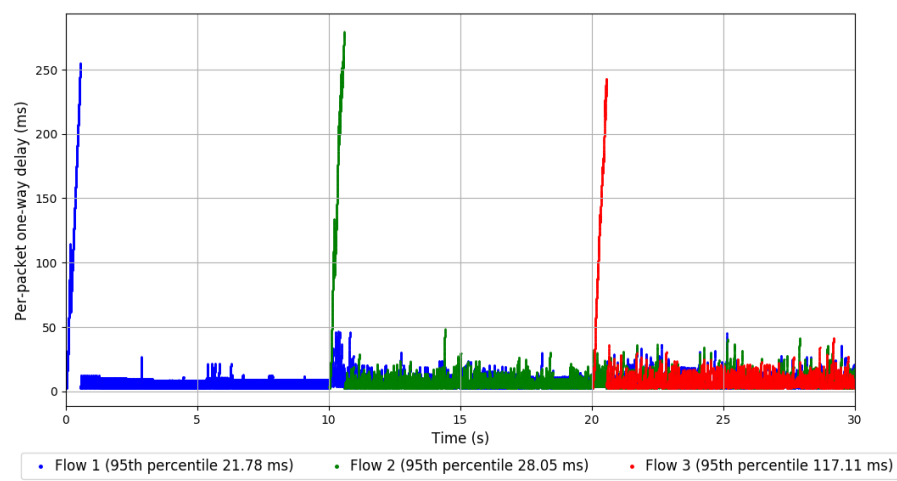
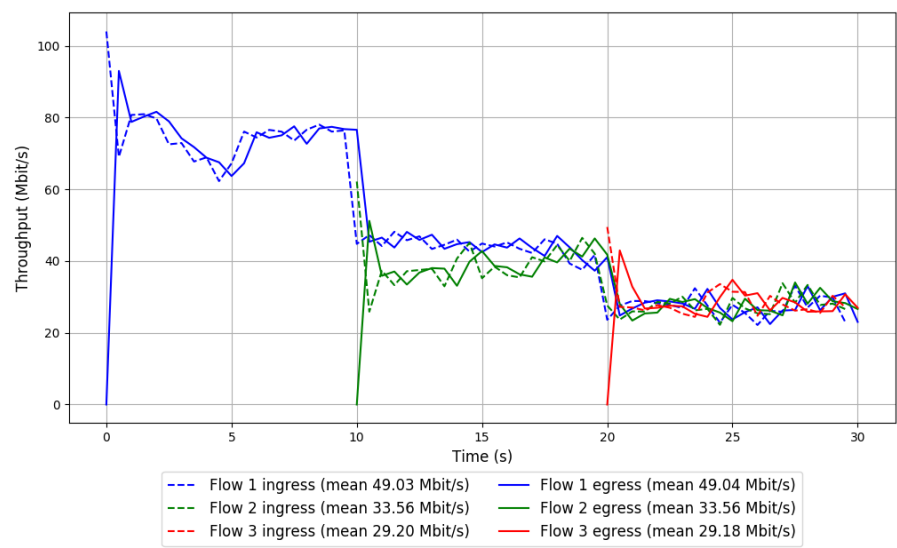
-- Flow 3:

Average throughput: 29.18 Mbit/s

95th percentile per-packet one-way delay: 117.108 ms

Loss rate: 0.06%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-12-11 15:10:59

End at: 2019-12-11 15:11:29

Local clock offset: -6.728 ms

Remote clock offset: 0.071 ms

Below is generated by plot.py at 2019-12-11 17:24:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.10 Mbit/s

95th percentile per-packet one-way delay: 29.678 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 57.00 Mbit/s

95th percentile per-packet one-way delay: 8.090 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 27.56 Mbit/s

95th percentile per-packet one-way delay: 4.056 ms

Loss rate: 0.03%

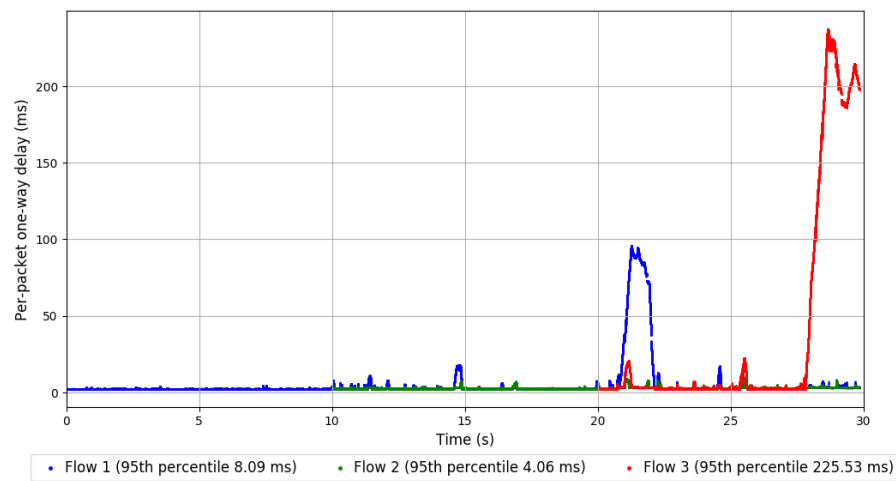
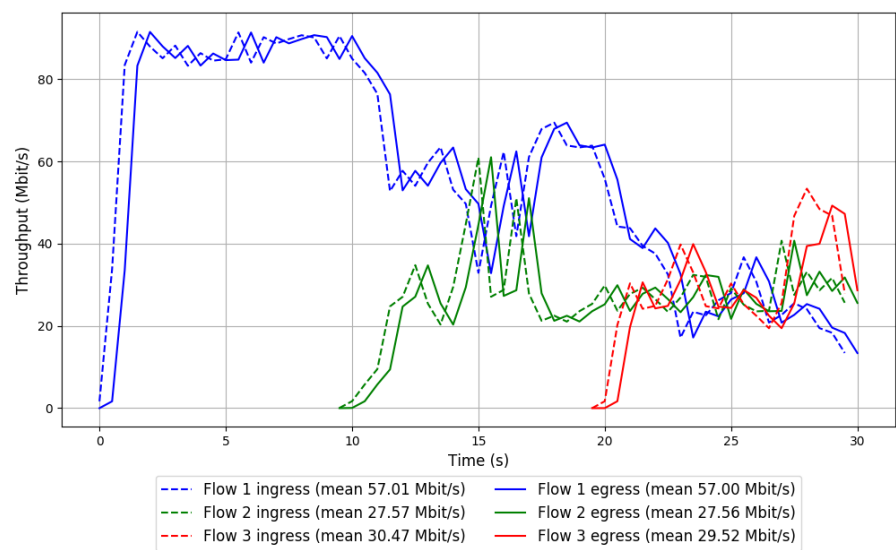
-- Flow 3:

Average throughput: 29.52 Mbit/s

95th percentile per-packet one-way delay: 225.528 ms

Loss rate: 3.15%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-12-11 15:38:26

End at: 2019-12-11 15:38:56

Local clock offset: -5.39 ms

Remote clock offset: 0.426 ms

Below is generated by plot.py at 2019-12-11 17:24:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 58.55 Mbit/s

95th percentile per-packet one-way delay: 8.551 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 27.17 Mbit/s

95th percentile per-packet one-way delay: 7.959 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 33.95 Mbit/s

95th percentile per-packet one-way delay: 17.060 ms

Loss rate: 0.04%

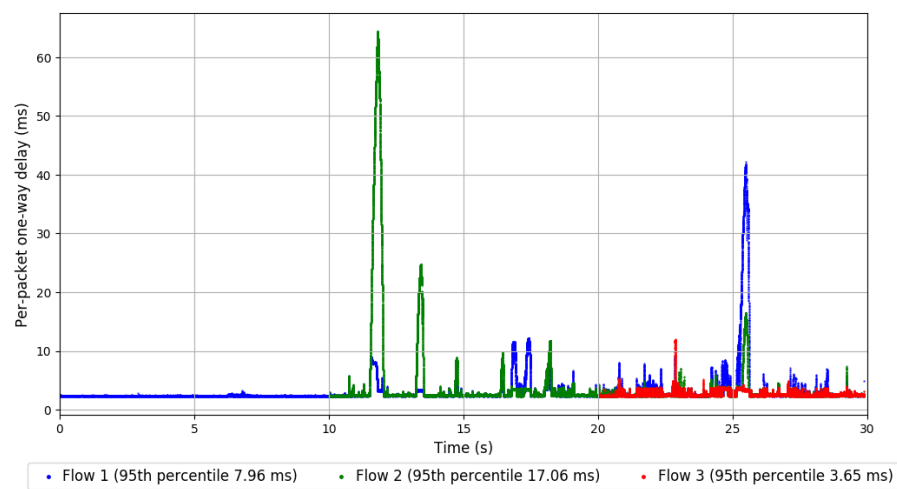
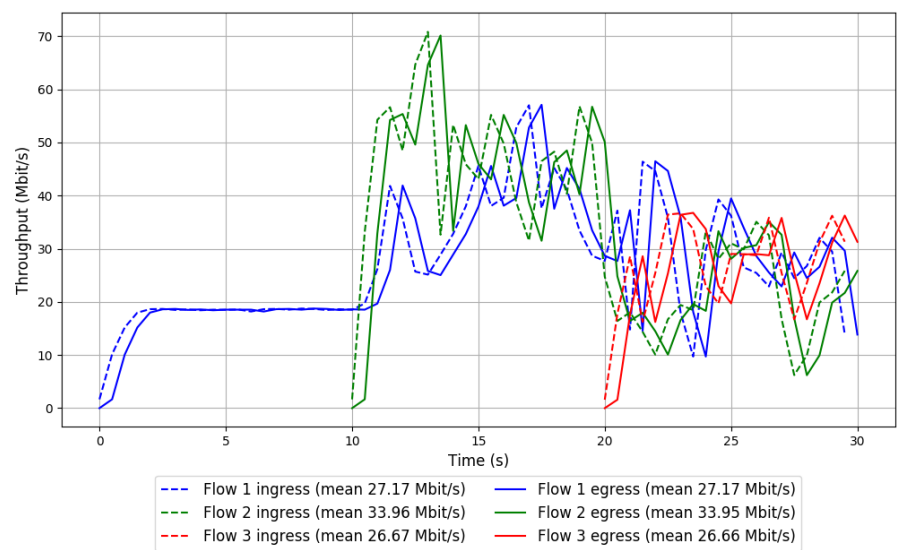
-- Flow 3:

Average throughput: 26.66 Mbit/s

95th percentile per-packet one-way delay: 3.646 ms

Loss rate: 0.05%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-12-11 16:05:57

End at: 2019-12-11 16:06:27

Local clock offset: -6.015 ms

Remote clock offset: 0.733 ms

Below is generated by plot.py at 2019-12-11 17:24:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.19 Mbit/s

95th percentile per-packet one-way delay: 24.840 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 46.76 Mbit/s

95th percentile per-packet one-way delay: 5.906 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 34.89 Mbit/s

95th percentile per-packet one-way delay: 10.951 ms

Loss rate: 0.04%

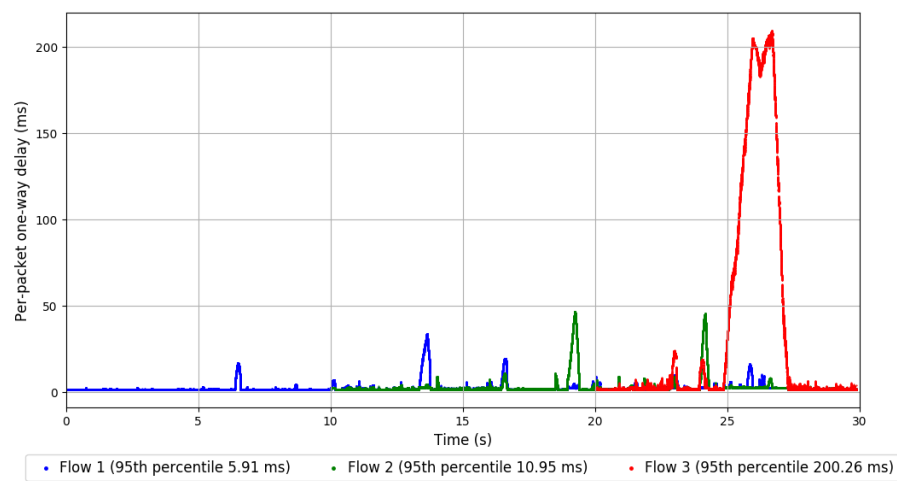
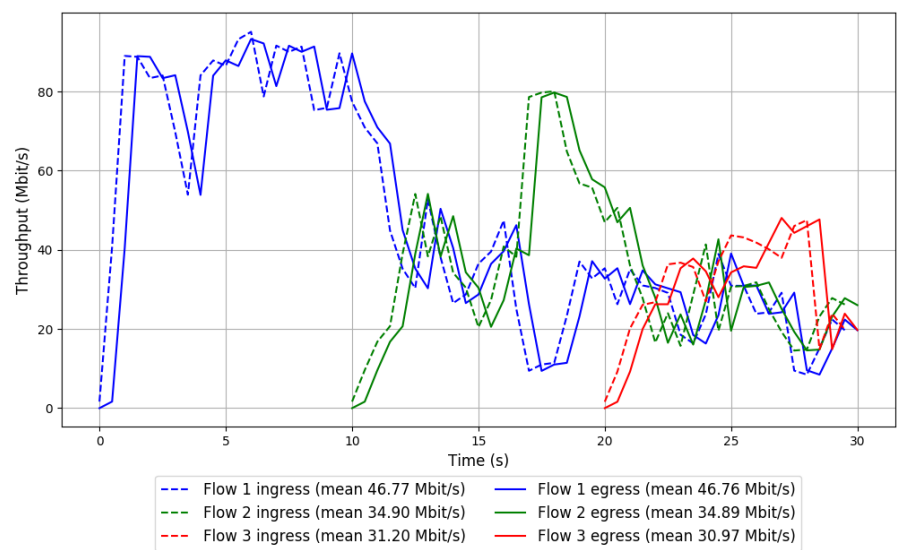
-- Flow 3:

Average throughput: 30.97 Mbit/s

95th percentile per-packet one-way delay: 200.258 ms

Loss rate: 0.74%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-12-11 16:33:27

End at: 2019-12-11 16:33:57

Local clock offset: -6.193 ms

Remote clock offset: 0.713 ms

Below is generated by plot.py at 2019-12-11 17:24:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.46 Mbit/s

95th percentile per-packet one-way delay: 5.715 ms

Loss rate: 0.82%

-- Flow 1:

Average throughput: 27.85 Mbit/s

95th percentile per-packet one-way delay: 3.725 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 32.36 Mbit/s

95th percentile per-packet one-way delay: 3.572 ms

Loss rate: 0.02%

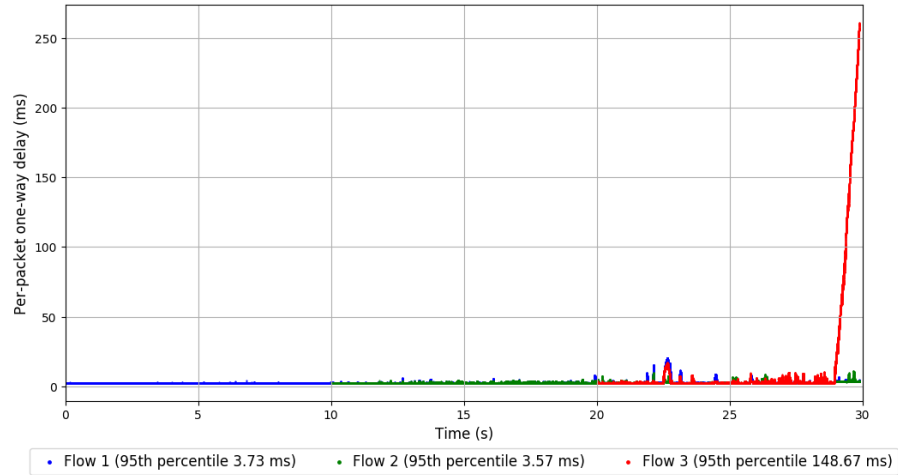
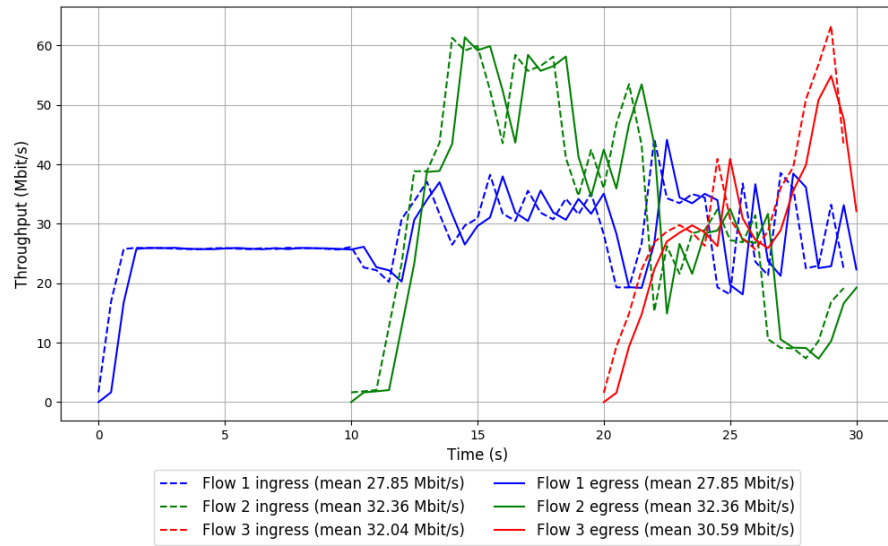
-- Flow 3:

Average throughput: 30.59 Mbit/s

95th percentile per-packet one-way delay: 148.670 ms

Loss rate: 4.56%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-12-11 17:01:01

End at: 2019-12-11 17:01:31

Local clock offset: -5.631 ms

Remote clock offset: 0.711 ms

Below is generated by plot.py at 2019-12-11 17:24:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.90 Mbit/s

95th percentile per-packet one-way delay: 6.242 ms

Loss rate: 0.90%

-- Flow 1:

Average throughput: 50.86 Mbit/s

95th percentile per-packet one-way delay: 4.424 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 31.25 Mbit/s

95th percentile per-packet one-way delay: 3.597 ms

Loss rate: 0.02%

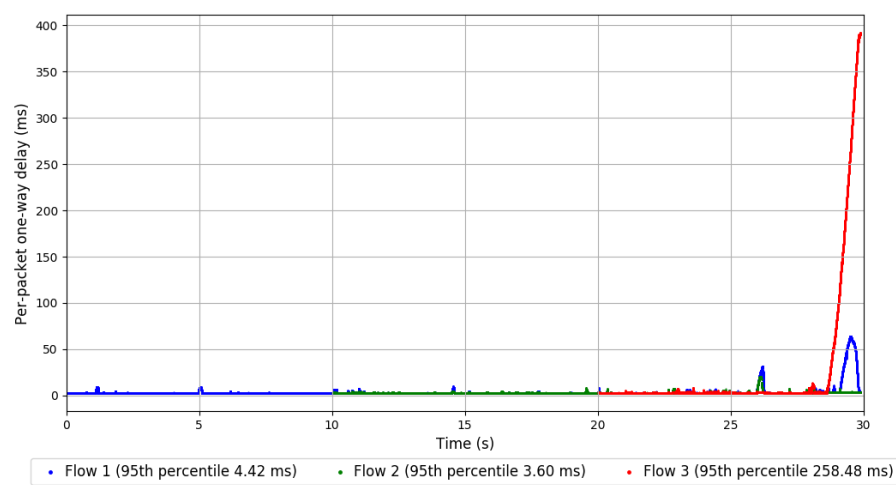
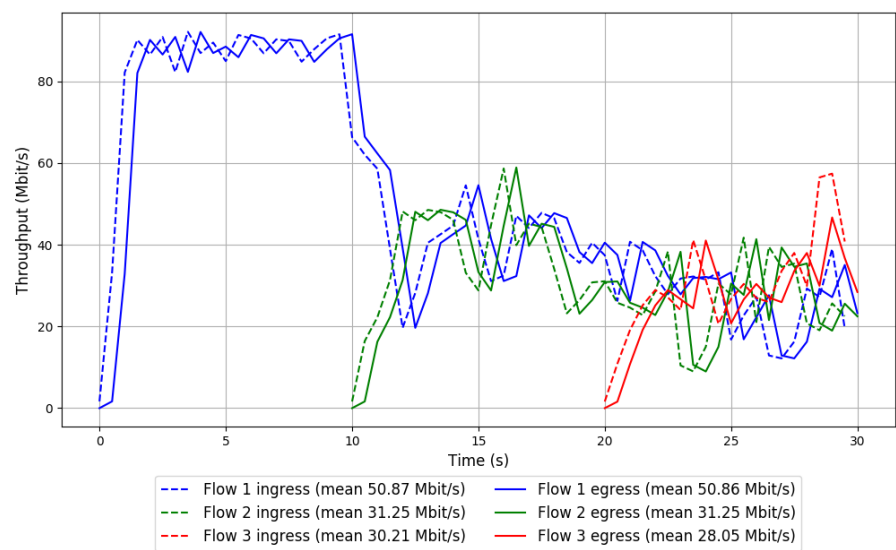
-- Flow 3:

Average throughput: 28.05 Mbit/s

95th percentile per-packet one-way delay: 258.475 ms

Loss rate: 7.21%

Run 5: Report of PCC-Vivace — Data Link

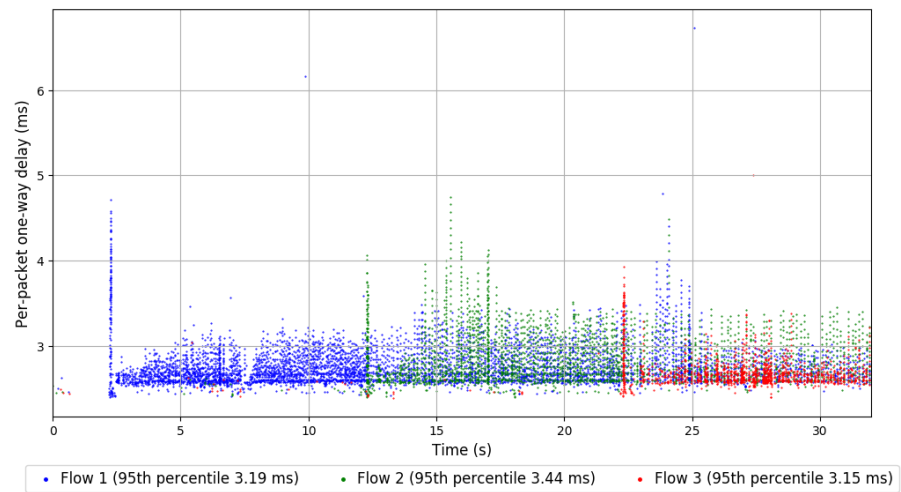
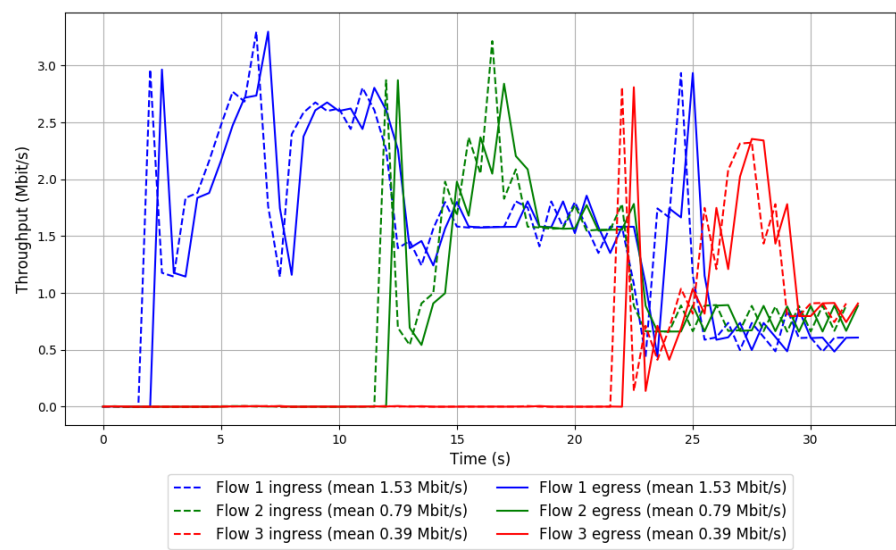


Run 1: Statistics of WebRTC media

Start at: 2019-12-11 15:06:28
End at: 2019-12-11 15:06:58
Local clock offset: -7.177 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2019-12-11 17:24:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.69 Mbit/s
95th percentile per-packet one-way delay: 3.314 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 3.191 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.79 Mbit/s
95th percentile per-packet one-way delay: 3.438 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 3.153 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-12-11 15:33:56

End at: 2019-12-11 15:34:26

Local clock offset: -6.119 ms

Remote clock offset: 0.413 ms

Below is generated by plot.py at 2019-12-11 17:24:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.68 Mbit/s

95th percentile per-packet one-way delay: 2.445 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 1.52 Mbit/s

95th percentile per-packet one-way delay: 2.365 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.85 Mbit/s

95th percentile per-packet one-way delay: 2.517 ms

Loss rate: 0.00%

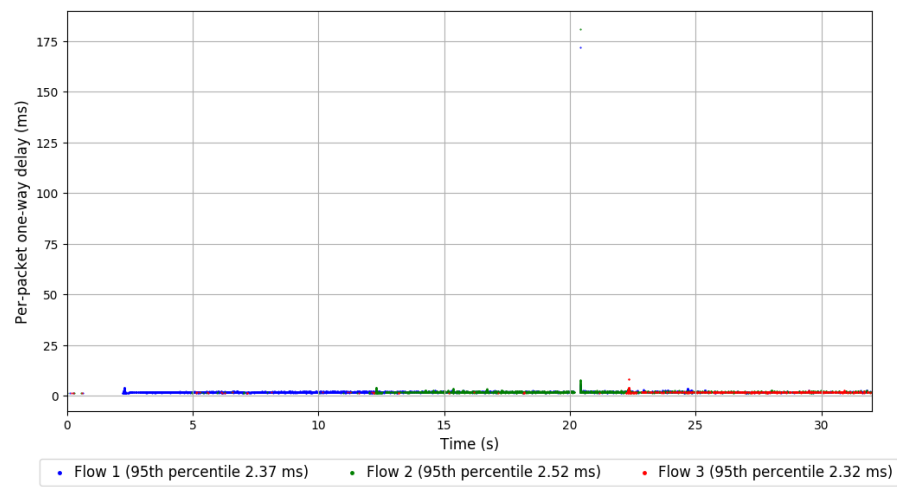
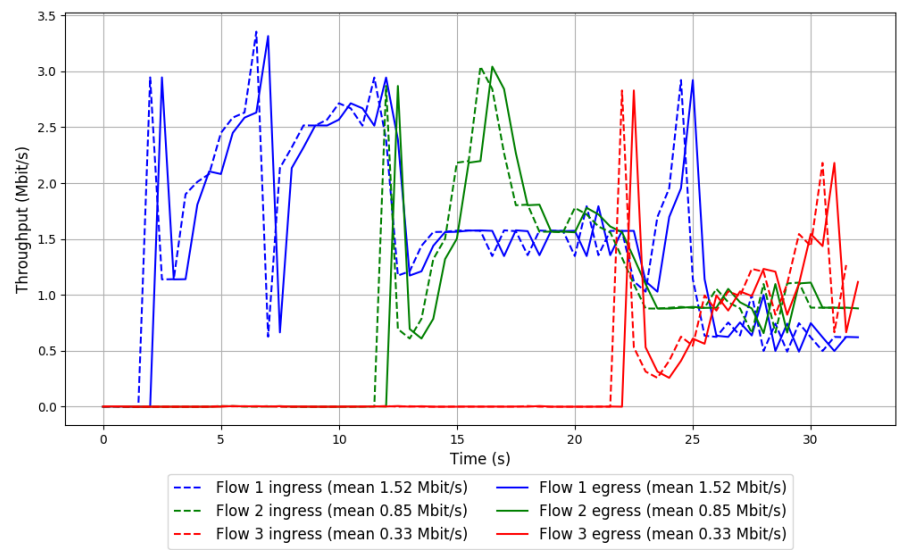
-- Flow 3:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 2.316 ms

Loss rate: 0.72%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-12-11 16:01:25

End at: 2019-12-11 16:01:55

Local clock offset: -6.025 ms

Remote clock offset: 0.753 ms

Below is generated by plot.py at 2019-12-11 17:24:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.75 Mbit/s

95th percentile per-packet one-way delay: 2.536 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 1.56 Mbit/s

95th percentile per-packet one-way delay: 2.453 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 0.79 Mbit/s

95th percentile per-packet one-way delay: 2.446 ms

Loss rate: 0.00%

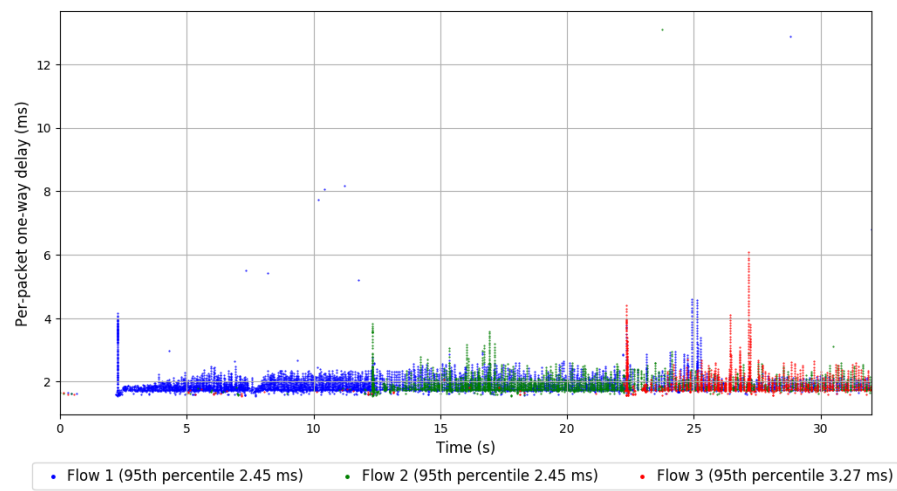
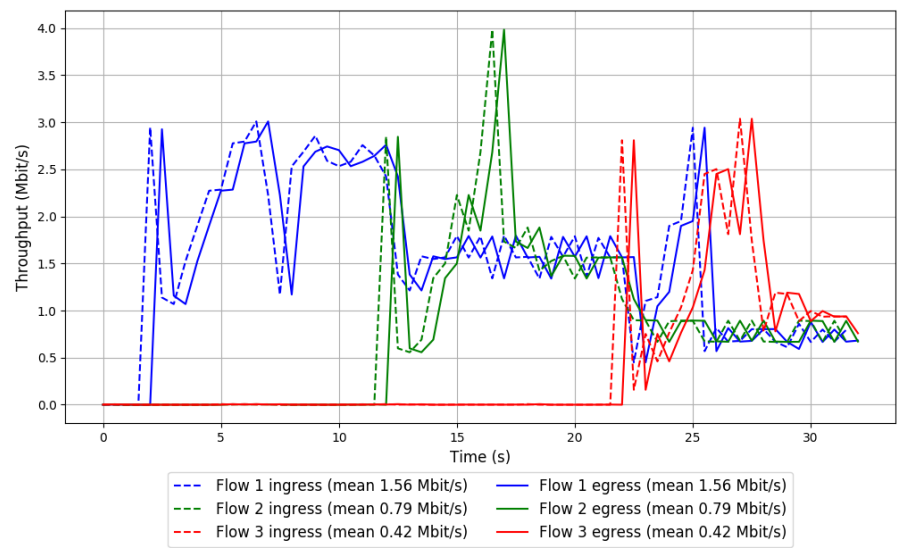
-- Flow 3:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 3.273 ms

Loss rate: 0.65%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-12-11 16:28:55

End at: 2019-12-11 16:29:25

Local clock offset: -6.198 ms

Remote clock offset: 0.69 ms

Below is generated by plot.py at 2019-12-11 17:24:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.81 Mbit/s

95th percentile per-packet one-way delay: 3.059 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.52 Mbit/s

95th percentile per-packet one-way delay: 3.007 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.86 Mbit/s

95th percentile per-packet one-way delay: 3.062 ms

Loss rate: 0.00%

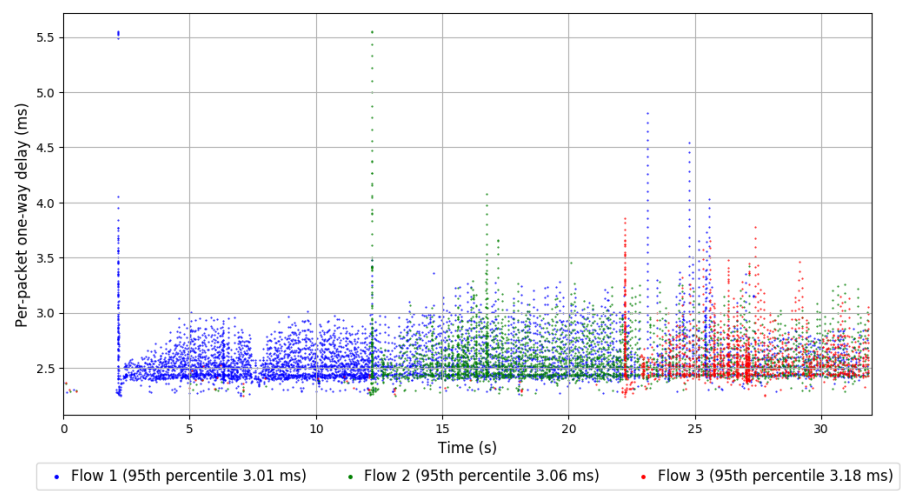
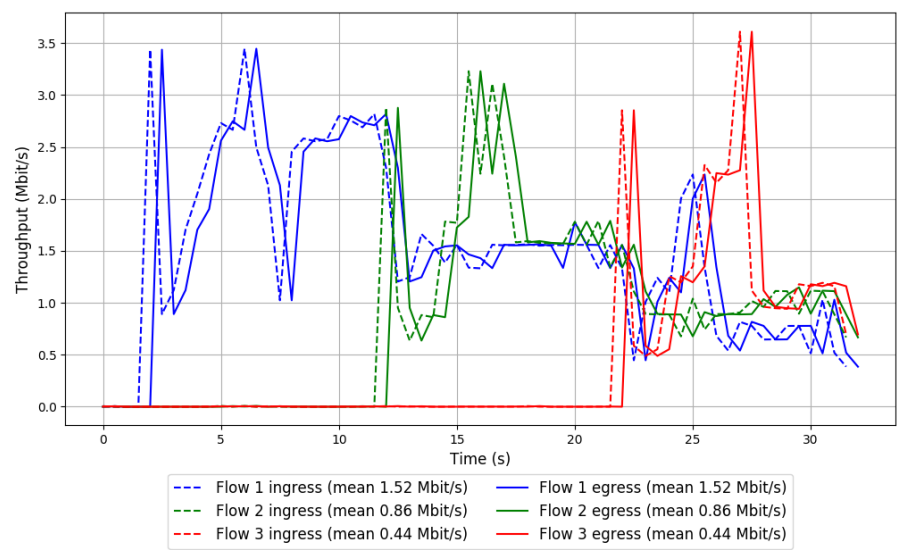
-- Flow 3:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 3.181 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-12-11 16:56:29

End at: 2019-12-11 16:56:59

Local clock offset: -5.741 ms

Remote clock offset: 0.741 ms

Below is generated by plot.py at 2019-12-11 17:24:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.74 Mbit/s

95th percentile per-packet one-way delay: 3.041 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 1.47 Mbit/s

95th percentile per-packet one-way delay: 2.996 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 0.89 Mbit/s

95th percentile per-packet one-way delay: 3.006 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 3.252 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

