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 time.stanford.edu and have been applied to correct the timestamps in logs.

System info:
Linux 4.15.0-1051-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 @ de42328552b3775a932a94dfafed722537b0ec
third_party/fillp @ d6da1459332fcee56963885d7eab1e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbde58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0edbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaabb4a906ce687cf3cf
third_party/muses @ 5ce721187ad823da20955337730c74648eca4966
third_party/muses_dtree @ 387225f7b5f61dbbe92d708a8869f0b94eb300
third_party/pantheon-tunnel @ f8663f58d27af942717625ee3a354cc2e802bd
third_party/pcc @ 1af9c958fa0d66d18b623c091a55fe9724981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8ac08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1b273a86b42f1bc8143ebc978f3ccf42
third_party/scream-reproduce @ f09918d2013f11ff1964974e1da3db2
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 @ d4b447ea74c6c60a261149af262956293f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace  @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc  @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
test from Stanford to AWS California 1, 5 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)

95th percentile one-way delay (ms)

Average throughput (Mbit/s)

TCP BBR
TCP Cubic
PCC-Allegro
FILP
FILP-Sheep
TCP Vegas
LEDBAT
PCC-Expr
Copa
QUIC Cubic
TCP Cubic
PCC-Vivace
TCP Vegas
TaoVA-100x
Muses_DecisionTreeR0
FILP
TCP BBR
Indigo-MusesC5
Muses_DecisionTreeH0
SCReAM
Indigo-MusesC3
<table>
<thead>
<tr>
<th>scheme</th>
<th># runs</th>
<th>mean avg tput (Mbit/s)</th>
<th>mean 95th-%ile delay (ms)</th>
<th>mean loss rate (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCP BBR</td>
<td>5</td>
<td>491.04 401.50 328.50</td>
<td>36.86 34.30 17.97</td>
<td>0.34 0.47 0.22</td>
</tr>
<tr>
<td>Copa</td>
<td>5</td>
<td>219.75 165.30 104.51</td>
<td>8.44 11.99 15.56</td>
<td>0.02 0.03 0.13</td>
</tr>
<tr>
<td>TCP Cubic</td>
<td>5</td>
<td>526.15 367.02 312.58</td>
<td>13.41 21.67 14.90</td>
<td>0.02 0.10 0.16</td>
</tr>
<tr>
<td>FillP</td>
<td>5</td>
<td>517.10 379.88 202.40</td>
<td>34.34 33.16 25.21</td>
<td>0.07 0.12 0.09</td>
</tr>
<tr>
<td>FillP-Sheep</td>
<td>5</td>
<td>421.06 334.22 213.70</td>
<td>13.18 18.40 16.43</td>
<td>0.01 0.06 0.15</td>
</tr>
<tr>
<td>Indigo</td>
<td>5</td>
<td>156.20 139.60 119.43</td>
<td>8.46 12.09 4.91</td>
<td>0.02 0.06 0.05</td>
</tr>
<tr>
<td>Indigo-MusesC3</td>
<td>5</td>
<td>171.64 65.43 28.38</td>
<td>12.03 4.56 11.77</td>
<td>0.01 0.02 0.21</td>
</tr>
<tr>
<td>Indigo-MusesC5</td>
<td>5</td>
<td>139.81 70.45 39.81</td>
<td>8.66 11.98 4.54</td>
<td>0.01 0.05 0.04</td>
</tr>
<tr>
<td>Indigo-MusesD</td>
<td>5</td>
<td>85.21 54.46 59.47</td>
<td>4.77 15.85 8.18</td>
<td>0.01 0.08 0.12</td>
</tr>
<tr>
<td>Indigo-MusesT</td>
<td>5</td>
<td>177.79 66.75 37.89</td>
<td>12.05 4.60 8.40</td>
<td>0.01 0.02 0.16</td>
</tr>
<tr>
<td>LEDBAT</td>
<td>5</td>
<td>286.45 229.03 178.07</td>
<td>12.37 9.01 9.33</td>
<td>0.03 0.03 0.07</td>
</tr>
<tr>
<td>Muses_DecisionTree</td>
<td>5</td>
<td>77.94 22.72 20.76</td>
<td>11.95 8.17 4.44</td>
<td>0.02 0.03 0.06</td>
</tr>
<tr>
<td>Muses_DecisionTreeH0</td>
<td>5</td>
<td>153.74 25.97 28.64</td>
<td>15.50 8.23 4.75</td>
<td>0.02 0.02 0.06</td>
</tr>
<tr>
<td>Muses_DecisionTreeR0</td>
<td>5</td>
<td>102.84 13.03 9.29</td>
<td>15.80 4.60 8.22</td>
<td>0.01 0.03 0.10</td>
</tr>
<tr>
<td>PCC-Allegro</td>
<td>5</td>
<td>571.30 166.52 164.38</td>
<td>79.71 26.16 13.60</td>
<td>0.42 0.04 0.13</td>
</tr>
<tr>
<td>PCC-Expr</td>
<td>5</td>
<td>332.39 121.68 43.27</td>
<td>8.97 4.59 4.78</td>
<td>0.02 0.02 0.10</td>
</tr>
<tr>
<td>QUIC Cubic</td>
<td>5</td>
<td>75.18 67.83 55.94</td>
<td>4.75 12.07 11.99</td>
<td>0.01 0.06 0.16</td>
</tr>
<tr>
<td>SCReAM</td>
<td>5</td>
<td>0.22 0.22 0.22</td>
<td>12.21 4.74 8.17</td>
<td>0.08 0.04 0.21</td>
</tr>
<tr>
<td>Sprout</td>
<td>5</td>
<td>40.04 39.93 34.56</td>
<td>8.12 7.94 11.64</td>
<td>0.03 0.08 0.09</td>
</tr>
<tr>
<td>TaoVA-100x</td>
<td>5</td>
<td>199.82 75.13 61.41</td>
<td>19.19 8.25 8.15</td>
<td>0.03 0.03 0.08</td>
</tr>
<tr>
<td>TCP Vegas</td>
<td>5</td>
<td>331.78 401.86 272.60</td>
<td>12.78 15.92 16.43</td>
<td>0.04 0.06 0.14</td>
</tr>
<tr>
<td>Verus</td>
<td>5</td>
<td>167.70 126.87 130.40</td>
<td>12.06 9.51 13.09</td>
<td>0.01 0.03 0.16</td>
</tr>
<tr>
<td>PCC-Vivace</td>
<td>5</td>
<td>239.47 121.86 74.72</td>
<td>15.60 11.95 15.49</td>
<td>0.03 0.49 0.23</td>
</tr>
<tr>
<td>WebRTC media</td>
<td>5</td>
<td>0.05 0.05 0.05</td>
<td>8.29 19.22 4.54</td>
<td>0.00 0.00 0.00</td>
</tr>
</tbody>
</table>
Run 1: Statistics of TCP BBR

Start at: 2019-11-24 16:07:54
End at: 2019-11-24 16:08:24
Local clock offset: 2.799 ms
Remote clock offset: 0.917 ms

# Below is generated by plot.py at 2019-11-24 18:59:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 880.76 Mbit/s
95th percentile per-packet one-way delay: 44.845 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 505.35 Mbit/s
95th percentile per-packet one-way delay: 41.824 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 399.13 Mbit/s
95th percentile per-packet one-way delay: 62.119 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 329.44 Mbit/s
95th percentile per-packet one-way delay: 7.991 ms
Loss rate: 0.06%
Run 1: Report of TCP BBR — Data Link

![Graph showing network performance metrics over time.](image)

- **Flow 1 ingress (mean 506.91 Mbit/s)**
- **Flow 1 egress (mean 505.35 Mbit/s)**
- **Flow 2 ingress (mean 401.61 Mbit/s)**
- **Flow 2 egress (mean 399.13 Mbit/s)**
- **Flow 3 ingress (mean 329.56 Mbit/s)**
- **Flow 3 egress (mean 329.44 Mbit/s)**

![Graph showing packet delay over time.](image)

- **Flow 1 (95th percentile 41.82 ms)**
- **Flow 2 (95th percentile 62.12 ms)**
- **Flow 3 (95th percentile 7.99 ms)**
Run 2: Statistics of TCP BBR

End at: 2019-11-24 16:43:03
Local clock offset: 2.912 ms
Remote clock offset: -2.273 ms

# Below is generated by plot.py at 2019-11-24 18:59:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 873.67 Mbit/s
95th percentile per-packet one-way delay: 6.269 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 493.93 Mbit/s
95th percentile per-packet one-way delay: 6.385 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 405.46 Mbit/s
95th percentile per-packet one-way delay: 5.564 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 329.14 Mbit/s
95th percentile per-packet one-way delay: 5.933 ms
Loss rate: 0.06%
Run 3: Statistics of TCP BBR

Start at: 2019-11-24 17:16:57
End at: 2019-11-24 17:17:27
Local clock offset: 3.755 ms
Remote clock offset: 0.888 ms

# Below is generated by plot.py at 2019-11-24 18:59:35
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 863.00 Mbit/s
  95th percentile per-packet one-way delay: 48.284 ms
  Loss rate: 0.53%
-- Flow 1:
  Average throughput: 486.79 Mbit/s
  95th percentile per-packet one-way delay: 48.379 ms
  Loss rate: 0.48%
-- Flow 2:
  Average throughput: 400.24 Mbit/s
  95th percentile per-packet one-way delay: 54.816 ms
  Loss rate: 0.79%
-- Flow 3:
  Average throughput: 329.76 Mbit/s
  95th percentile per-packet one-way delay: 7.676 ms
  Loss rate: 0.07%
Run 3: Report of TCP BBR — Data Link

![Graph 1: Throughput](image1)

![Graph 2: Round-trip time](image2)

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Run 4: Statistics of TCP BBR

Start at: 2019-11-24 17:51:42
End at: 2019-11-24 17:52:12
Local clock offset: 4.253 ms
Remote clock offset: -2.172 ms

# Below is generated by plot.py at 2019-11-24 18:59:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 876.52 Mbit/s
95th percentile per-packet one-way delay: 47.234 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 499.45 Mbit/s
95th percentile per-packet one-way delay: 47.583 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 403.82 Mbit/s
95th percentile per-packet one-way delay: 5.740 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 323.92 Mbit/s
95th percentile per-packet one-way delay: 60.151 ms
Loss rate: 0.83%
Run 4: Report of TCP BBR — Data Link
Run 5: Statistics of TCP BBR

Start at: 2019-11-24 18:26:31
End at: 2019-11-24 18:27:01
Local clock offset: 4.258 ms
Remote clock offset: 0.426 ms

# Below is generated by plot.py at 2019-11-24 18:59:35
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 845.05 Mbit/s
  95th percentile per-packet one-way delay: 41.871 ms
  Loss rate: 0.56%
-- Flow 1:
  Average throughput: 469.66 Mbit/s
  95th percentile per-packet one-way delay: 40.131 ms
  Loss rate: 0.54%
-- Flow 2:
  Average throughput: 398.84 Mbit/s
  95th percentile per-packet one-way delay: 43.281 ms
  Loss rate: 0.79%
-- Flow 3:
  Average throughput: 330.25 Mbit/s
  95th percentile per-packet one-way delay: 8.123 ms
  Loss rate: 0.07%
Run 5: Report of TCP BBR — Data Link
Run 1: Statistics of Copa

Start at: 2019-11-24 16:09:40
End at: 2019-11-24 16:10:10
Local clock offset: 2.832 ms
Remote clock offset: 1.097 ms

# Below is generated by plot.py at 2019-11-24 18:59:35
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 383.13 Mbit/s
  95th percentile per-packet one-way delay: 19.146 ms
  Loss rate: 0.02%
-- Flow 1:
  Average throughput: 235.19 Mbit/s
  95th percentile per-packet one-way delay: 1.421 ms
  Loss rate: 0.00%
-- Flow 2:
  Average throughput: 166.88 Mbit/s
  95th percentile per-packet one-way delay: 1.023 ms
  Loss rate: 0.01%
-- Flow 3:
  Average throughput: 111.26 Mbit/s
  95th percentile per-packet one-way delay: 19.395 ms
  Loss rate: 0.16%
Run 1: Report of Copa — Data Link
Run 2: Statistics of Copa

Start at: 2019-11-24 16:44:15
End at: 2019-11-24 16:44:45
Local clock offset: 3.021 ms
Remote clock offset: -2.407 ms

# Below is generated by plot.py at 2019-11-24 18:59:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 395.52 Mbit/s
95th percentile per-packet one-way delay: 19.010 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 238.51 Mbit/s
95th percentile per-packet one-way delay: 0.883 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 181.10 Mbit/s
95th percentile per-packet one-way delay: 0.817 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 110.02 Mbit/s
95th percentile per-packet one-way delay: 19.176 ms
Loss rate: 0.13%
Run 2: Report of Copa — Data Link
Run 3: Statistics of Copa

Start at: 2019-11-24 17:18:44
End at: 2019-11-24 17:19:14
Local clock offset: 3.795 ms
Remote clock offset: 1.106 ms

# Below is generated by plot.py at 2019-11-24 18:59:35
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 360.21 Mbit/s
  95th percentile per-packet one-way delay: 19.464 ms
  Loss rate: 0.06%
-- Flow 1:
  Average throughput: 215.87 Mbit/s
  95th percentile per-packet one-way delay: 19.506 ms
  Loss rate: 0.04%
-- Flow 2:
  Average throughput: 163.91 Mbit/s
  95th percentile per-packet one-way delay: 19.266 ms
  Loss rate: 0.05%
-- Flow 3:
  Average throughput: 106.85 Mbit/s
  95th percentile per-packet one-way delay: 19.428 ms
  Loss rate: 0.22%
Run 3: Report of Copa — Data Link
Run 4: Statistics of Copa

End at: 2019-11-24 17:53:58
Local clock offset: 4.28 ms
Remote clock offset: -2.328 ms

# Below is generated by plot.py at 2019-11-24 19:03:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 340.21 Mbit/s
95th percentile per-packet one-way delay: 19.475 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 199.65 Mbit/s
95th percentile per-packet one-way delay: 19.366 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 167.21 Mbit/s
95th percentile per-packet one-way delay: 19.527 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 88.39 Mbit/s
95th percentile per-packet one-way delay: 0.953 ms
Loss rate: 0.02%
Run 4: Report of Copa — Data Link

![Throughput Graph]

![Delay Graph]
Run 5: Statistics of Copa

Local clock offset: 4.241 ms
Remote clock offset: 0.531 ms

# Below is generated by plot.py at 2019-11-24 19:04:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 342.81 Mbit/s
95th percentile per-packet one-way delay: 19.233 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 209.55 Mbit/s
95th percentile per-packet one-way delay: 1.010 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 147.39 Mbit/s
95th percentile per-packet one-way delay: 19.308 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 106.04 Mbit/s
95th percentile per-packet one-way delay: 18.825 ms
Loss rate: 0.10%
Run 5: Report of Copa — Data Link

![Graph showing throughput and delay over time for different flows.]

- **Throughput**:
  - Flow 1 ingress (mean 209.54 Mbit/s)
  - Flow 1 egress (mean 209.55 Mbit/s)
  - Flow 2 ingress (mean 147.31 Mbit/s)
  - Flow 2 egress (mean 147.39 Mbit/s)
  - Flow 3 ingress (mean 106.00 Mbit/s)
  - Flow 3 egress (mean 106.04 Mbit/s)

- **Delay**:
  - Flow 1 (95th percentile 1.01 ms)
  - Flow 2 (95th percentile 19.31 ms)
  - Flow 3 (95th percentile 18.82 ms)
Run 1: Statistics of TCP Cubic

Local clock offset: 2.955 ms
Remote clock offset: 0.683 ms

# Below is generated by plot.py at 2019-11-24 19:07:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 874.49 Mbit/s
95th percentile per-packet one-way delay: 22.879 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 496.27 Mbit/s
95th percentile per-packet one-way delay: 23.805 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 406.01 Mbit/s
95th percentile per-packet one-way delay: 7.967 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 323.21 Mbit/s
95th percentile per-packet one-way delay: 7.752 ms
Loss rate: 0.08%
Run 1: Report of TCP Cubic — Data Link
Run 2: Statistics of TCP Cubic

End at: 2019-11-24 16:30:11
Local clock offset: 2.746 ms
Remote clock offset: 0.357 ms

# Below is generated by plot.py at 2019-11-24 19:08:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 878.83 Mbit/s
95th percentile per-packet one-way delay: 23.998 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 529.05 Mbit/s
95th percentile per-packet one-way delay: 9.860 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 379.52 Mbit/s
95th percentile per-packet one-way delay: 25.489 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 292.61 Mbit/s
95th percentile per-packet one-way delay: 25.280 ms
Loss rate: 0.27%
Run 2: Report of TCP Cubic — Data Link

![Graph showing TCP performance metrics over time for different flows.](image)

- **Throughput** vs **Time**:
  - Flow 1 ingress: mean 529.09 Mbit/s
  - Flow 1 egress: mean 529.05 Mbit/s
  - Flow 2 ingress: mean 379.55 Mbit/s
  - Flow 2 egress: mean 379.52 Mbit/s
  - Flow 3 ingress: mean 292.81 Mbit/s
  - Flow 3 egress: mean 292.61 Mbit/s

- **Per-packet one-way delay** vs **Time**:
  - Flow 1 (95th percentile: 9.86 ms)
  - Flow 2 (95th percentile: 25.49 ms)
  - Flow 3 (95th percentile: 25.28 ms)
Run 3: Statistics of TCP Cubic

Start at: 2019-11-24 17:03:52
End at: 2019-11-24 17:04:22
Local clock offset: 3.56 ms
Remote clock offset: -1.828 ms

# Below is generated by plot.py at 2019-11-24 19:08:48
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 879.04 Mbit/s
  95th percentile per-packet one-way delay: 24.401 ms
  Loss rate: 0.05%
-- Flow 1:
  Average throughput: 523.21 Mbit/s
  95th percentile per-packet one-way delay: 10.005 ms
  Loss rate: 0.02%
-- Flow 2:
  Average throughput: 372.68 Mbit/s
  95th percentile per-packet one-way delay: 25.883 ms
  Loss rate: 0.11%
-- Flow 3:
  Average throughput: 323.46 Mbit/s
  95th percentile per-packet one-way delay: 7.859 ms
  Loss rate: 0.08%
Run 3: Report of TCP Cubic — Data Link
Run 4: Statistics of TCP Cubic

Start at: 2019-11-24 17:38:42
End at: 2019-11-24 17:39:12
Local clock offset: 4.013 ms
Remote clock offset: 0.642 ms

# Below is generated by plot.py at 2019-11-24 19:08:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 871.18 Mbit/s
95th percentile per-packet one-way delay: 23.444 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 528.55 Mbit/s
95th percentile per-packet one-way delay: 11.177 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 366.43 Mbit/s
95th percentile per-packet one-way delay: 24.139 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 297.59 Mbit/s
95th percentile per-packet one-way delay: 25.284 ms
Loss rate: 0.28%
Run 4: Report of TCP Cubic — Data Link
Run 5: Statistics of TCP Cubic

Local clock offset: 4.358 ms
Remote clock offset: -1.522 ms

# Below is generated by plot.py at 2019-11-24 19:08:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 868.63 Mbit/s
95th percentile per-packet one-way delay: 22.254 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 553.67 Mbit/s
95th percentile per-packet one-way delay: 12.215 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 310.48 Mbit/s
95th percentile per-packet one-way delay: 24.876 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 326.01 Mbit/s
95th percentile per-packet one-way delay: 8.313 ms
Loss rate: 0.09%
Run 5: Report of TCP Cubic — Data Link

![Graph showing throughput and packet delay over time for different flows.]

- **Throughput**:
  - Flow 1 ingress (mean 553.74 Mbit/s)
  - Flow 1 egress (mean 553.67 Mbit/s)
  - Flow 2 ingress (mean 310.54 Mbit/s)
  - Flow 2 egress (mean 310.48 Mbit/s)
  - Flow 3 ingress (mean 326.20 Mbit/s)
  - Flow 3 egress (mean 326.01 Mbit/s)

- **Packet delay**:
  - Flow 1 (95th percentile 12.21 ms)
  - Flow 2 (95th percentile 24.88 ms)
  - Flow 3 (95th percentile 8.31 ms)
Run 1: Statistics of FillP

Start at: 2019-11-24 16:11:18
End at: 2019-11-24 16:11:48
Local clock offset: 2.807 ms
Remote clock offset: 1.135 ms

# Below is generated by plot.py at 2019-11-24 19:11:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 922.21 Mbit/s
95th percentile per-packet one-way delay: 58.997 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 587.24 Mbit/s
95th percentile per-packet one-way delay: 60.848 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 423.75 Mbit/s
95th percentile per-packet one-way delay: 49.968 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 160.51 Mbit/s
95th percentile per-packet one-way delay: 11.831 ms
Loss rate: 0.00%
Run 1: Report of FillP — Data Link

![Graph showing throughput](image)

![Graph showing per-packet one-way delay](image)

- Flow 1 ingress (mean 587.66 Mbps)
- Flow 1 egress (mean 587.24 Mbps)
- Flow 2 ingress (mean 424.82 Mbps)
- Flow 2 egress (mean 423.75 Mbps)
- Flow 3 ingress (mean 160.50 Mbps)
- Flow 3 egress (mean 160.51 Mbps)

- Flow 1 (95th percentile 60.85 ms)
- Flow 2 (95th percentile 49.97 ms)
- Flow 3 (95th percentile 11.83 ms)
Run 2: Statistics of FillP

Start at: 2019-11-24 16:45:53
Local clock offset: 3.11 ms
Remote clock offset: -2.551 ms

# Below is generated by plot.py at 2019-11-24 19:13:52
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 690.69 Mbit/s
  95th percentile per-packet one-way delay: 26.189 ms
  Loss rate: 0.07%
-- Flow 1:
  Average throughput: 418.43 Mbit/s
  95th percentile per-packet one-way delay: 23.087 ms
  Loss rate: 0.04%
-- Flow 2:
  Average throughput: 235.39 Mbit/s
  95th percentile per-packet one-way delay: 12.609 ms
  Loss rate: 0.04%
-- Flow 3:
  Average throughput: 349.55 Mbit/s
  95th percentile per-packet one-way delay: 37.834 ms
  Loss rate: 0.21%
Run 2: Report of FillP — Data Link
Run 3: Statistics of FillP

End at: 2019-11-24 17:20:50
Local clock offset: 3.809 ms
Remote clock offset: 1.191 ms

# Below is generated by plot.py at 2019-11-24 19:16:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 864.80 Mbit/s
95th percentile per-packet one-way delay: 42.017 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 555.50 Mbit/s
95th percentile per-packet one-way delay: 44.579 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 418.75 Mbit/s
95th percentile per-packet one-way delay: 30.625 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 90.25 Mbit/s
95th percentile per-packet one-way delay: 14.821 ms
Loss rate: 0.00%
Run 3: Report of FillP — Data Link

![Graph showing throughput and per-packet one-way delay over time for different flows.]

Legend:
- Flow 1 Ingress (mean 555.51 Mb/s)
- Flow 1 Egress (mean 555.50 Mb/s)
- Flow 2 Ingress (mean 418.88 Mb/s)
- Flow 2 Egress (mean 418.75 Mb/s)
- Flow 3 Ingress (mean 90.26 Mb/s)
- Flow 3 Egress (mean 90.25 Mb/s)

Legend for per-packet one-way delay:
- Flow 1 (95th percentile 44.58 ms)
- Flow 2 (95th percentile 30.62 ms)
- Flow 3 (95th percentile 14.82 ms)
Run 4: Statistics of FillP

Start at: 2019-11-24 17:55:02
Local clock offset: 4.273 ms
Remote clock offset: -2.46 ms

# Below is generated by plot.py at 2019-11-24 19:20:24
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 937.70 Mbit/s
  95th percentile per-packet one-way delay: 39.895 ms
  Loss rate: 0.11%
-- Flow 1:
  Average throughput: 571.51 Mbit/s
  95th percentile per-packet one-way delay: 29.754 ms
  Loss rate: 0.08%
-- Flow 2:
  Average throughput: 397.62 Mbit/s
  95th percentile per-packet one-way delay: 38.302 ms
  Loss rate: 0.11%
-- Flow 3:
  Average throughput: 308.92 Mbit/s
  95th percentile per-packet one-way delay: 51.790 ms
  Loss rate: 0.23%
Run 4: Report of FillP — Data Link

![Graph showing network performance metrics.](image)

**Throughput (Mbps):**
- Flow 1 Ingress (mean 571.97 Mbps)
- Flow 1 Egress (mean 571.51 Mbps)
- Flow 2 Ingress (mean 398.12 Mbps)
- Flow 2 Egress (mean 397.62 Mbps)
- Flow 3 Ingress (mean 309.04 Mbps)
- Flow 3 Egress (mean 308.92 Mbps)

**Packet Error Rate:**
- Flow 1 (95th percentile 29.75 ms)
- Flow 2 (95th percentile 38.30 ms)
- Flow 3 (95th percentile 51.79 ms)
Run 5: Statistics of FillP

Start at: 2019-11-24 18:29:52
End at: 2019-11-24 18:30:22
Local clock offset: 4.255 ms
Remote clock offset: 0.646 ms

# Below is generated by plot.py at 2019-11-24 19:20:24
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 768.88 Mbit/s
  95th percentile per-packet one-way delay: 29.427 ms
  Loss rate: 0.04%
-- Flow 1:
  Average throughput: 452.81 Mbit/s
  95th percentile per-packet one-way delay: 13.417 ms
  Loss rate: 0.02%
-- Flow 2:
  Average throughput: 423.90 Mbit/s
  95th percentile per-packet one-way delay: 34.311 ms
  Loss rate: 0.06%
-- Flow 3:
  Average throughput: 102.78 Mbit/s
  95th percentile per-packet one-way delay: 9.789 ms
  Loss rate: 0.00%
Run 5: Report of FillP — Data Link

![Graph of Throughput vs Time]

- Flow 1 ingress (mean 452.86 Mbit/s)
- Flow 1 egress (mean 452.81 Mbit/s)
- Flow 2 ingress (mean 423.70 Mbit/s)
- Flow 2 egress (mean 423.96 Mbit/s)
- Flow 3 ingress (mean 102.78 Mbit/s)
- Flow 3 egress (mean 102.79 Mbit/s)

![Graph of Packet Loss vs Time]

- Flow 1 (95th percentile 13.42 ms)
- Flow 2 (95th percentile 34.31 ms)
- Flow 3 (95th percentile 9.79 ms)
Run 1: Statistics of FillP-Sheep

Start at: 2019-11-24 16:06:19
End at: 2019-11-24 16:06:49
Local clock offset: 2.832 ms
Remote clock offset: 0.863 ms

# Below is generated by plot.py at 2019-11-24 19:20:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 783.89 Mbit/s
95th percentile per-packet one-way delay: 24.714 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 379.66 Mbit/s
95th percentile per-packet one-way delay: 8.669 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 438.14 Mbit/s
95th percentile per-packet one-way delay: 28.475 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 342.36 Mbit/s
95th percentile per-packet one-way delay: 24.393 ms
Loss rate: 0.15%
Run 1: Report of FillP-Sheep — Data Link

![Graph 1: Throughput (Mb/s) over time](image1)

- **Flow 1 ingress (mean 379.66 Mbit/s)**
- **Flow 1 egress (mean 379.66 Mbit/s)**
- **Flow 2 ingress (mean 438.22 Mbit/s)**
- **Flow 2 egress (mean 438.14 Mbit/s)**
- **Flow 3 ingress (mean 342.06 Mbit/s)**
- **Flow 3 egress (mean 342.36 Mbit/s)**

![Graph 2: Per-packet one-way delay (ms) over time](image2)

- **Flow 1 (95th percentile 8.67 ms)**
- **Flow 2 (95th percentile 28.48 ms)**
- **Flow 3 (95th percentile 24.39 ms)**
Run 2: Statistics of FillP-Sheep

Start at: 2019-11-24 16:41:05
End at: 2019-11-24 16:41:35
Local clock offset: 2.837 ms
Remote clock offset: -2.111 ms

# Below is generated by plot.py at 2019-11-24 19:20:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 531.58 Mbit/s
95th percentile per-packet one-way delay: 6.729 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 361.58 Mbit/s
95th percentile per-packet one-way delay: 7.210 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 240.39 Mbit/s
95th percentile per-packet one-way delay: 5.347 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.59 Mbit/s
95th percentile per-packet one-way delay: 2.457 ms
Loss rate: 0.00%
Run 2: Report of FillP-Sheep — Data Link

![Graph showing throughput and round-trip time for different flows.]

- **Flow 1 Ingress** (mean 361.58 Mbit/s)
- **Flow 1 Egress** (mean 361.58 Mbit/s)
- **Flow 2 Ingress** (mean 240.40 Mbit/s)
- **Flow 2 Egress** (mean 240.39 Mbit/s)
- **Flow 3 Ingress** (mean 30.59 Mbit/s)
- **Flow 3 Egress** (mean 30.59 Mbit/s)

![Graph showing round-trip time for different flows.]

- **Flow 1** (99th percentile 7.21 ms)
- **Flow 2** (99th percentile 5.33 ms)
- **Flow 3** (99th percentile 2.46 ms)
Run 3: Statistics of FillP-Sheep

Start at: 2019-11-24 17:15:22
End at: 2019-11-24 17:15:52
Local clock offset: 3.718 ms
Remote clock offset: 0.64 ms

# Below is generated by plot.py at 2019-11-24 19:20:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 788.26 Mbit/s
95th percentile per-packet one-way delay: 31.773 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 564.97 Mbit/s
95th percentile per-packet one-way delay: 33.584 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 169.34 Mbit/s
95th percentile per-packet one-way delay: 5.959 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 334.68 Mbit/s
95th percentile per-packet one-way delay: 23.609 ms
Loss rate: 0.34%
Run 3: Report of FillP-Sheep — Data Link
Run 4: Statistics of FillP-Sheep

Start at: 2019-11-24 17:50:08
End at: 2019-11-24 17:50:38
Local clock offset: 4.208 ms
Remote clock offset: -1.951 ms

# Below is generated by plot.py at 2019-11-24 19:23:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 778.46 Mbit/s
95th percentile per-packet one-way delay: 23.287 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 400.84 Mbit/s
95th percentile per-packet one-way delay: 7.690 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 408.48 Mbit/s
95th percentile per-packet one-way delay: 26.114 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 321.82 Mbit/s
95th percentile per-packet one-way delay: 24.668 ms
Loss rate: 0.27%
Run 4: Report of FillP-Sheep — Data Link
Run 5: Statistics of FillP-Sheep

Local clock offset: 4.254 ms
Remote clock offset: 0.163 ms

# Below is generated by plot.py at 2019-11-24 19:24:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 686.43 Mbit/s
95th percentile per-packet one-way delay: 22.662 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 398.24 Mbit/s
95th percentile per-packet one-way delay: 8.735 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 414.73 Mbit/s
95th percentile per-packet one-way delay: 26.113 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 39.07 Mbit/s
95th percentile per-packet one-way delay: 7.043 ms
Loss rate: 0.00%
Run 5: Report of FillP-Sheep — Data Link

Throughput (Mbit/s)

Time (s)

Flow 1 ingress (mean 398.24 Mbit/s)
Flow 1 egress (mean 398.24 Mbit/s)
Flow 2 ingress (mean 414.29 Mbit/s)
Flow 2 egress (mean 414.73 Mbit/s)
Flow 3 ingress (mean 39.07 Mbit/s)
Flow 3 egress (mean 39.07 Mbit/s)

Per packet one way delay (ms)

Time (s)

Flow 1 (95th percentile 8.73 ms)
Flow 2 (95th percentile 26.11 ms)
Flow 3 (95th percentile 7.04 ms)
Run 1: Statistics of Indigo

Start at: 2019-11-24 16:03:18
End at: 2019-11-24 16:03:48
Local clock offset: 2.864 ms
Remote clock offset: 0.825 ms

# Below is generated by plot.py at 2019-11-24 19:24:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 290.75 Mbit/s
95th percentile per-packet one-way delay: 19.075 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 153.22 Mbit/s
95th percentile per-packet one-way delay: 19.064 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 143.78 Mbit/s
95th percentile per-packet one-way delay: 19.128 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 126.66 Mbit/s
95th percentile per-packet one-way delay: 1.455 ms
Loss rate: 0.04%
Run 1: Report of Indigo — Data Link

![Graph of Throughput and Delay](image-url)
Run 2: Statistics of Indigo

Start at: 2019-11-24 16:38:03
End at: 2019-11-24 16:38:33
Local clock offset: 2.716 ms
Remote clock offset: -1.725 ms

# Below is generated by plot.py at 2019-11-24 19:24:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 287.08 Mbit/s
95th percentile per-packet one-way delay: 19.854 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 158.59 Mbit/s
95th percentile per-packet one-way delay: 19.890 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 127.86 Mbit/s
95th percentile per-packet one-way delay: 18.758 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 132.57 Mbit/s
95th percentile per-packet one-way delay: 1.168 ms
Loss rate: 0.03%
Run 2: Report of Indigo — Data Link
Run 3: Statistics of Indigo

Start at: 2019-11-24 17:12:22
End at: 2019-11-24 17:12:52
Local clock offset: 3.68 ms
Remote clock offset: 0.091 ms

# Below is generated by plot.py at 2019-11-24 19:24:03
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 295.60 Mbit/s
  95th percentile per-packet one-way delay: 1.252 ms
  Loss rate: 0.01%
-- Flow 1:
  Average throughput: 156.90 Mbit/s
  95th percentile per-packet one-way delay: 1.219 ms
  Loss rate: 0.00%
-- Flow 2:
  Average throughput: 146.65 Mbit/s
  95th percentile per-packet one-way delay: 1.337 ms
  Loss rate: 0.01%
-- Flow 3:
  Average throughput: 125.34 Mbit/s
  95th percentile per-packet one-way delay: 1.202 ms
  Loss rate: 0.02%
Run 3: Report of Indigo — Data Link

![Graph 1: Throughput (Mbps)]

![Graph 2: Per-packet one-way delay (ms)]
Run 4: Statistics of Indigo

Start at: 2019-11-24 17:47:05
End at: 2019-11-24 17:47:35
Local clock offset: 4.158 ms
Remote clock offset: -1.563 ms

# Below is generated by plot.py at 2019-11-24 19:24:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 285.27 Mbit/s
95th percentile per-packet one-way delay: 19.229 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 157.34 Mbit/s
95th percentile per-packet one-way delay: 0.963 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 144.91 Mbit/s
95th percentile per-packet one-way delay: 1.115 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 97.23 Mbit/s
95th percentile per-packet one-way delay: 19.414 ms
Loss rate: 0.13%
Run 4: Report of Indigo — Data Link

![Graph of Throughput (Mbps) over Time (s)]

![Graph of Per-packet one-way delay (ms) over Time (s)]
Run 5: Statistics of Indigo

Local clock offset: 4.268 ms
Remote clock offset: -0.121 ms

# Below is generated by plot.py at 2019-11-24 19:24:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 282.27 Mbit/s
95th percentile per-packet one-way delay: 20.031 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 154.97 Mbit/s
95th percentile per-packet one-way delay: 1.144 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 134.82 Mbit/s
95th percentile per-packet one-way delay: 20.116 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 115.37 Mbit/s
95th percentile per-packet one-way delay: 1.311 ms
Loss rate: 0.01%
Run 5: Report of Indigo — Data Link
Run 1: Statistics of Indigo-MusesC3

Start at: 2019-11-24 16:15:39
End at: 2019-11-24 16:16:09
Local clock offset: 2.782 ms
Remote clock offset: 1.274 ms

# Below is generated by plot.py at 2019-11-24 19:24:03
# Datalink statistics
-- Total of 3 flows:
 Average throughput: 240.43 Mbit/s
 95th percentile per-packet one-way delay: 19.326 ms
 Loss rate: 0.02%
-- Flow 1:
 Average throughput: 200.56 Mbit/s
 95th percentile per-packet one-way delay: 19.335 ms
 Loss rate: 0.00%
-- Flow 2:
 Average throughput: 55.01 Mbit/s
 95th percentile per-packet one-way delay: 1.044 ms
 Loss rate: 0.05%
-- Flow 3:
 Average throughput: 24.36 Mbit/s
 95th percentile per-packet one-way delay: 19.070 ms
 Loss rate: 0.33%
Run 1: Report of Indigo-MusesC3 — Data Link

![Graph showing throughput and packet loss over time for different flows.]

- **Flow 1 ingress (mean 200.41 Mbit/s)**
- **Flow 1 egress (mean 200.56 Mbit/s)**
- **Flow 2 ingress (mean 55.03 Mbit/s)**
- **Flow 2 egress (mean 55.01 Mbit/s)**
- **Flow 3 ingress (mean 24.38 Mbit/s)**
- **Flow 3 egress (mean 24.36 Mbit/s)**

![Graph showing packet loss over time for different flows.]

- **Flow 1 (95th percentile 19.34 ms)**
- **Flow 2 (95th percentile 1.04 ms)**
- **Flow 3 (95th percentile 19.07 ms)**
Run 2: Statistics of Indigo-MusesC3

Start at: 2019-11-24 16:50:09
End at: 2019-11-24 16:50:39
Local clock offset: 3.259 ms
Remote clock offset: -2.812 ms

# Below is generated by plot.py at 2019-11-24 19:24:03
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 228.09 Mbit/s
  95th percentile per-packet one-way delay: 18.809 ms
  Loss rate: 0.01%
-- Flow 1:
  Average throughput: 168.27 Mbit/s
  95th percentile per-packet one-way delay: 18.811 ms
  Loss rate: 0.01%
-- Flow 2:
  Average throughput: 83.63 Mbit/s
  95th percentile per-packet one-way delay: 18.816 ms
  Loss rate: 0.02%
-- Flow 3:
  Average throughput: 34.38 Mbit/s
  95th percentile per-packet one-way delay: 0.912 ms
  Loss rate: 0.00%
Run 2: Report of Indigo-MusesC3 — Data Link

![Graph of network throughput and packet delay over time]

- Flow 1 ingress (mean 168.13 Mbit/s)
- Flow 1 egress (mean 168.27 Mbit/s)
- Flow 2 ingress (mean 83.53 Mbit/s)
- Flow 2 egress (mean 83.65 Mbit/s)
- Flow 3 ingress (mean 34.38 Mbit/s)
- Flow 3 egress (mean 34.38 Mbit/s)

![Graph of packet delay over time]

- Flow 1 (95th percentile 18.81 ms)
- Flow 2 (95th percentile 18.82 ms)
- Flow 3 (95th percentile 0.91 ms)
Run 3: Statistics of Indigo-MusesC3

End at: 2019-11-24 17:25:11
Local clock offset: 3.856 ms
Remote clock offset: 1.723 ms

# Below is generated by plot.py at 2019-11-24 19:24:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 240.74 Mbit/s
95th percentile per-packet one-way delay: 19.944 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 191.47 Mbit/s
95th percentile per-packet one-way delay: 19.958 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 64.37 Mbit/s
95th percentile per-packet one-way delay: 0.922 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 38.62 Mbit/s
95th percentile per-packet one-way delay: 0.919 ms
Loss rate: 0.00%
Run 3: Report of Indigo-MusesC3 — Data Link

[Graphs showing data link performance metrics for different flows over time]
Run 4: Statistics of Indigo-MusesC3

Start at: 2019-11-24 17:59:24
End at: 2019-11-24 17:59:54
Local clock offset: 4.377 ms
Remote clock offset: -2.61 ms

# Below is generated by plot.py at 2019-11-24 19:24:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 194.41 Mbit/s
95th percentile per-packet one-way delay: 0.984 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 154.12 Mbit/s
95th percentile per-packet one-way delay: 0.951 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 55.95 Mbit/s
95th percentile per-packet one-way delay: 0.938 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 22.06 Mbit/s
95th percentile per-packet one-way delay: 18.777 ms
Loss rate: 0.24%
Run 4: Report of Indigo-MusesC3 — Data Link

![Graph of throughput over time for different flows](image1)

![Graph of per-packet round-trip delay over time for different flows](image2)

- Flow 1 ingress (mean 154.08 Mbit/s) vs. Flow 1 egress (mean 154.12 Mbit/s)
- Flow 2 ingress (mean 55.95 Mbit/s) vs. Flow 2 egress (mean 55.95 Mbit/s)
- Flow 3 ingress (mean 22.07 Mbit/s) vs. Flow 3 egress (mean 22.06 Mbit/s)

- Flow 1 (95th percentile 0.95 ms)
- Flow 2 (95th percentile 0.94 ms)
- Flow 3 (95th percentile 18.78 ms)
Run 5: Statistics of Indigo-MusesC3

Start at: 2019-11-24 18:34:10
End at: 2019-11-24 18:34:40
Local clock offset: 4.287 ms
Remote clock offset: 0.815 ms

# Below is generated by plot.py at 2019-11-24 19:24:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 191.90 Mbit/s
95th percentile per-packet one-way delay: 1.124 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 143.79 Mbit/s
95th percentile per-packet one-way delay: 1.085 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 68.18 Mbit/s
95th percentile per-packet one-way delay: 1.101 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 22.49 Mbit/s
95th percentile per-packet one-way delay: 19.170 ms
Loss rate: 0.48%
Run 5: Report of Indigo-MusesC3 — Data Link
Run 1: Statistics of Indigo-MusesC5

Start at: 2019-11-24 16:19:45
End at: 2019-11-24 16:20:15
Local clock offset: 2.797 ms
Remote clock offset: 1.528 ms

# Below is generated by plot.py at 2019-11-24 19:24:45
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 210.67 Mbit/s
  95th percentile per-packet one-way delay: 1.248 ms
  Loss rate: 0.01%
-- Flow 1:
  Average throughput: 129.27 Mbit/s
  95th percentile per-packet one-way delay: 1.277 ms
  Loss rate: 0.01%
-- Flow 2:
  Average throughput: 115.71 Mbit/s
  95th percentile per-packet one-way delay: 1.226 ms
  Loss rate: 0.00%
-- Flow 3:
  Average throughput: 36.71 Mbit/s
  95th percentile per-packet one-way delay: 0.982 ms
  Loss rate: 0.07%
Run 1: Report of Indigo-MusesC5 — Data Link

![Graph showing throughput and packet loss over time for different data flows.]

Legend:
- Flow 1 ingress (mean 129.27 Mbps)
- Flow 1 egress (mean 129.27 Mbps)
- Flow 2 ingress (mean 115.71 Mbps)
- Flow 2 egress (mean 115.71 Mbps)
- Flow 3 ingress (mean 36.73 Mbps)
- Flow 3 egress (mean 36.71 Mbps)
Run 2: Statistics of Indigo-MusesC5

Start at: 2019-11-24 16:54:14
End at: 2019-11-24 16:54:44
Local clock offset: 3.392 ms
Remote clock offset: -2.947 ms

# Below is generated by plot.py at 2019-11-24 19:24:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 159.34 Mbit/s
95th percentile per-packet one-way delay: 18.973 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 107.47 Mbit/s
95th percentile per-packet one-way delay: 0.970 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.30 Mbit/s
95th percentile per-packet one-way delay: 19.047 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 51.88 Mbit/s
95th percentile per-packet one-way delay: 18.770 ms
Loss rate: 0.15%
Run 2: Report of Indigo-MusesC5 — Data Link

Throughput (Mbps)

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</tbody>
</table>

Flow 1 ingress (mean 107.47 Mbps)  Flow 1 egress (mean 107.47 Mbps)
Flow 2 ingress (mean 62.30 Mbps)  Flow 2 egress (mean 62.30 Mbps)
Flow 3 ingress (mean 51.96 Mbps)  Flow 3 egress (mean 51.96 Mbps)

Per-packet one-way delay (ms)

<table>
<thead>
<tr>
<th>Time (s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
</tr>
<tr>
<td>5</td>
</tr>
<tr>
<td>10</td>
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<tr>
<td>15</td>
</tr>
<tr>
<td>20</td>
</tr>
<tr>
<td>25</td>
</tr>
</tbody>
</table>

Flow 1 (95th percentile 0.97 ms)  Flow 2 (95th percentile 19.05 ms)  Flow 3 (95th percentile 18.77 ms)
Run 3: Statistics of Indigo-MusesC5

End at: 2019-11-24 17:29:19  
Local clock offset: 3.934 ms  
Remote clock offset: 1.992 ms

# Below is generated by plot.py at 2019-11-24 19:25:55  
# Datalink statistics
  -- Total of 3 flows:
  Average throughput: 264.05 Mbit/s
  95th percentile per-packet one-way delay: 20.288 ms
  Loss rate: 0.01%
  -- Flow 1:
  Average throughput: 218.80 Mbit/s
  95th percentile per-packet one-way delay: 20.350 ms
  Loss rate: 0.00%
  -- Flow 2:
  Average throughput: 58.92 Mbit/s
  95th percentile per-packet one-way delay: 19.132 ms
  Loss rate: 0.02%
  -- Flow 3:
  Average throughput: 35.27 Mbit/s
  95th percentile per-packet one-way delay: 1.064 ms
  Loss rate: 0.00%
Run 3: Report of Indigo-MusesC5 — Data Link
Run 4: Statistics of Indigo-MusesC5

Start at: 2019-11-24 18:03:31
End at: 2019-11-24 18:04:01
Local clock offset: 4.426 ms
Remote clock offset: -2.717 ms

# Below is generated by plot.py at 2019-11-24 19:25:55
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 143.52 Mbit/s
  95th percentile per-packet one-way delay: 0.919 ms
  Loss rate: 0.00%
-- Flow 1:
  Average throughput: 107.79 Mbit/s
  95th percentile per-packet one-way delay: 0.923 ms
  Loss rate: 0.00%
-- Flow 2:
  Average throughput: 43.23 Mbit/s
  95th percentile per-packet one-way delay: 0.910 ms
  Loss rate: 0.02%
-- Flow 3:
  Average throughput: 34.73 Mbit/s
  95th percentile per-packet one-way delay: 0.870 ms
  Loss rate: 0.00%
Run 4: Report of Indigo-MusesC5 — Data Link

![Graph of Throughput and Per-packet One-Way Delay](image-url)
Run 5: Statistics of Indigo-MusesC5

End at: 2019-11-24 18:38:44
Local clock offset: 4.282 ms
Remote clock offset: 1.039 ms

# Below is generated by plot.py at 2019-11-24 19:25:55
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 190.85 Mbit/s
  95th percentile per-packet one-way delay: 19.614 ms
  Loss rate: 0.06%
-- Flow 1:
  Average throughput: 135.70 Mbit/s
  95th percentile per-packet one-way delay: 19.756 ms
  Loss rate: 0.04%
-- Flow 2:
  Average throughput: 72.07 Mbit/s
  95th percentile per-packet one-way delay: 19.570 ms
  Loss rate: 0.12%
-- Flow 3:
  Average throughput: 40.45 Mbit/s
  95th percentile per-packet one-way delay: 0.994 ms
  Loss rate: 0.00%
Run 5: Report of Indigo-MusesC5 — Data Link

Throughput (Mbit/s)

Time (s)

Flow 1 ingress (mean 135.62 Mbit/s)
Flow 1 egress (mean 135.70 Mbit/s)
Flow 2 ingress (mean 72.06 Mbit/s)
Flow 2 egress (mean 72.07 Mbit/s)
Flow 3 ingress (mean 40.45 Mbit/s)
Flow 3 egress (mean 40.45 Mbit/s)

Percentile one-way delay (ms)

Time (s)

Flow 1 (95th percentile 19.76 ms)
Flow 2 (95th percentile 19.57 ms)
Flow 3 (95th percentile 0.99 ms)
Run 1: Statistics of Indigo-MusesD

End at: 2019-11-24 15:59:50
Local clock offset: 2.916 ms
Remote clock offset: 0.678 ms

# Below is generated by plot.py at 2019-11-24 19:25:55
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 119.62 Mbit/s
  95th percentile per-packet one-way delay: 19.946 ms
  Loss rate: 0.03%
-- Flow 1:
  Average throughput: 63.87 Mbit/s
  95th percentile per-packet one-way delay: 0.964 ms
  Loss rate: 0.00%
-- Flow 2:
  Average throughput: 68.77 Mbit/s
  95th percentile per-packet one-way delay: 20.004 ms
  Loss rate: 0.05%
-- Flow 3:
  Average throughput: 50.02 Mbit/s
  95th percentile per-packet one-way delay: 0.980 ms
  Loss rate: 0.06%
Run 2: Statistics of Indigo-MusesD

Start at: 2019-11-24 16:34:06
End at: 2019-11-24 16:34:36
Local clock offset: 2.724 ms
Remote clock offset: -1.024 ms

# Below is generated by plot.py at 2019-11-24 19:25:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 123.42 Mbit/s
95th percentile per-packet one-way delay: 19.172 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 70.04 Mbit/s
95th percentile per-packet one-way delay: 0.870 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 69.26 Mbit/s
95th percentile per-packet one-way delay: 19.133 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 37.66 Mbit/s
95th percentile per-packet one-way delay: 19.307 ms
Loss rate: 0.22%
Run 2: Report of Indigo-MusesD — Data Link

Graph 1: Throughput (Mbps)

Graph 2: Per-packet one-way delay (ms)
Run 3: Statistics of Indigo-MusesD

Start at: 2019-11-24 17:08:23
End at: 2019-11-24 17:08:53
Local clock offset: 3.634 ms
Remote clock offset: -0.71 ms

# Below is generated by plot.py at 2019-11-24 19:25:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 101.86 Mbit/s
95th percentile per-packet one-way delay: 19.201 ms
Loss rate: 0.04%

-- Flow 1:
Average throughput: 59.91 Mbit/s
95th percentile per-packet one-way delay: 1.133 ms
Loss rate: 0.02%

-- Flow 2:
Average throughput: 33.95 Mbit/s
95th percentile per-packet one-way delay: 19.291 ms
Loss rate: 0.00%

-- Flow 3:
Average throughput: 80.83 Mbit/s
95th percentile per-packet one-way delay: 18.626 ms
Loss rate: 0.13%
Run 3: Report of Indigo-MusesD — Data Link

![Graph 1: Throughput vs. Time](image1)

![Graph 2: Per-packet one-way delay vs. Time](image2)
Run 4: Statistics of Indigo-MusesD

Start at: 2019-11-24 17:43:09
End at: 2019-11-24 17:43:39
Local clock offset: 4.061 ms
Remote clock offset: -0.9 ms

# Below is generated by plot.py at 2019-11-24 19:26:57
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 225.67 Mbit/s
  95th percentile per-packet one-way delay: 19.891 ms
  Loss rate: 0.06%
-- Flow 1:
  Average throughput: 167.81 Mbit/s
  95th percentile per-packet one-way delay: 19.911 ms
  Loss rate: 0.02%
-- Flow 2:
  Average throughput: 57.76 Mbit/s
  95th percentile per-packet one-way delay: 19.819 ms
  Loss rate: 0.14%
-- Flow 3:
  Average throughput: 91.70 Mbit/s
  95th percentile per-packet one-way delay: 0.987 ms
  Loss rate: 0.20%
Run 4: Report of Indigo-MusesD — Data Link

Throughput (Mbps)

Time (s)

Flow 1 ingress (mean 167.68 Mbps)  Flow 1 egress (mean 167.81 Mbps)
Flow 2 ingress (mean 57.77 Mbps)  Flow 2 egress (mean 57.76 Mbps)
Flow 3 ingress (mean 91.87 Mbps)  Flow 3 egress (mean 91.70 Mbps)

Packet loss rate (ms)

Time (s)

Flow 1 (95th percentile 19.91 ms)  Flow 2 (95th percentile 19.82 ms)  Flow 3 (95th percentile 0.99 ms)
Run 5: Statistics of Indigo-MusesD

Start at: 2019-11-24 18:18:02
End at: 2019-11-24 18:18:32
Local clock offset: 4.266 ms
Remote clock offset: -0.616 ms

# Below is generated by plot.py at 2019-11-24 19:26:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 100.47 Mbit/s
95th percentile per-packet one-way delay: 1.000 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 64.41 Mbit/s
95th percentile per-packet one-way delay: 0.993 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 42.55 Mbit/s
95th percentile per-packet one-way delay: 1.014 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 37.13 Mbit/s
95th percentile per-packet one-way delay: 0.996 ms
Loss rate: 0.00%
Run 5: Report of Indigo-MusesD — Data Link
Run 1: Statistics of Indigo-MusesT

Local clock offset: 2.962 ms
Remote clock offset: 0.627 ms

# Below is generated by plot.py at 2019-11-24 19:28:00
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 271.02 Mbit/s
  95th percentile per-packet one-way delay: 19.978 ms
  Loss rate: 0.03%
-- Flow 1:
  Average throughput: 227.13 Mbit/s
  95th percentile per-packet one-way delay: 19.986 ms
  Loss rate: 0.03%
-- Flow 2:
  Average throughput: 53.66 Mbit/s
  95th percentile per-packet one-way delay: 1.016 ms
  Loss rate: 0.00%
-- Flow 3:
  Average throughput: 43.81 Mbit/s
  95th percentile per-packet one-way delay: 19.332 ms
  Loss rate: 0.14%
Run 1: Report of Indigo-MusesT — Data Link

![Graph 1: Throughput vs Time](image1)

![Graph 2: Packet Delay vs Time](image2)

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Run 2: Statistics of Indigo-MusesT

End at: 2019-11-24 16:28:50
Local clock offset: 2.753 ms
Remote clock offset: 0.811 ms

# Below is generated by plot.py at 2019-11-24 19:28:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 189.31 Mbit/s
95th percentile per-packet one-way delay: 0.880 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 135.66 Mbit/s
95th percentile per-packet one-way delay: 0.885 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 71.12 Mbit/s
95th percentile per-packet one-way delay: 0.856 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 37.78 Mbit/s
95th percentile per-packet one-way delay: 0.725 ms
Loss rate: 0.00%
Run 2: Report of Indigo-MusesT — Data Link

---

**Throughput (Mbps)**

- Flow 1 ingress (mean 135.65 Mbps)
- Flow 1 egress (mean 135.66 Mbps)
- Flow 2 ingress (mean 71.12 Mbps)
- Flow 2 egress (mean 71.12 Mbps)
- Flow 3 ingress (mean 37.78 Mbps)
- Flow 3 egress (mean 37.78 Mbps)

---

**Per-packet one-way delay (ms)**

- Flow 1 (95th percentile 0.89 ms)
- Flow 2 (95th percentile 0.86 ms)
- Flow 3 (95th percentile 0.72 ms)
Run 3: Statistics of Indigo-MusesT

Start at: 2019-11-24 17:02:32
End at: 2019-11-24 17:03:02
Local clock offset: 3.564 ms
Remote clock offset: -2.199 ms

# Below is generated by plot.py at 2019-11-24 19:28:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 172.90 Mbit/s
95th percentile per-packet one-way delay: 1.066 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 121.87 Mbit/s
95th percentile per-packet one-way delay: 1.058 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 67.14 Mbit/s
95th percentile per-packet one-way delay: 1.083 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.63 Mbit/s
95th percentile per-packet one-way delay: 1.069 ms
Loss rate: 0.00%
Run 3: Report of Indigo-MusesT — Data Link
Run 4: Statistics of Indigo-MusesT

Start at: 2019-11-24 17:37:20
End at: 2019-11-24 17:37:50
Local clock offset: 3.97 ms
Remote clock offset: 1.035 ms

# Below is generated by plot.py at 2019-11-24 19:28:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 253.65 Mbit/s
95th percentile per-packet one-way delay: 19.510 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 189.55 Mbit/s
95th percentile per-packet one-way delay: 19.365 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 89.24 Mbit/s
95th percentile per-packet one-way delay: 18.903 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 37.96 Mbit/s
95th percentile per-packet one-way delay: 19.719 ms
Loss rate: 0.68%
Run 4: Report of Indigo-MusesT — Data Link

![Graph showing throughput and per-packet end-to-end delay over time for different flows.]

- Flow 1 ingress (mean 189.40 Mbit/s) — Flow 1 egress (mean 189.55 Mbit/s)
- Flow 2 ingress (mean 89.20 Mbit/s) — Flow 2 egress (mean 89.24 Mbit/s)
- Flow 3 ingress (mean 38.03 Mbit/s) — Flow 3 egress (mean 37.96 Mbit/s)
Run 5: Statistics of Indigo-MusesT

Start at: 2019-11-24 18:12:06
End at: 2019-11-24 18:12:36
Local clock offset: 4.411 ms
Remote clock offset: -1.87 ms

# Below is generated by plot.py at 2019-11-24 19:28:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 255.56 Mbit/s
95th percentile per-packet one-way delay: 18.963 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 214.73 Mbit/s
95th percentile per-packet one-way delay: 18.974 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 52.57 Mbit/s
95th percentile per-packet one-way delay: 1.152 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 33.29 Mbit/s
95th percentile per-packet one-way delay: 1.142 ms
Loss rate: 0.00%
Run 5: Report of Indigo-MusesT — Data Link

![Graph showing throughput and delay over time for different flows.]

- Flow 1 ingress (mean 214.61 Mbit/s)
- Flow 1 egress (mean 214.73 Mbit/s)
- Flow 2 ingress (mean 52.58 Mbit/s)
- Flow 2 egress (mean 52.57 Mbit/s)
- Flow 3 ingress (mean 33.29 Mbit/s)
- Flow 3 egress (mean 33.29 Mbit/s)

![Graph showing packet delay over time for different flows.]

- Flow 1 (95th percentile 18.97 ms)
- Flow 2 (95th percentile 1.15 ms)
- Flow 3 (95th percentile 1.14 ms)
Run 1: Statistics of LEDBAT

Start at: 2019-11-24 16:04:45
End at: 2019-11-24 16:05:15
Local clock offset: 2.83 ms
Remote clock offset: 0.876 ms

# Below is generated by plot.py at 2019-11-24 19:31:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 491.89 Mbit/s
95th percentile per-packet one-way delay: 19.905 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 244.26 Mbit/s
95th percentile per-packet one-way delay: 19.496 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 295.90 Mbit/s
95th percentile per-packet one-way delay: 1.820 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 160.44 Mbit/s
95th percentile per-packet one-way delay: 20.873 ms
Loss rate: 0.00%
Run 1: Report of LEDBAT — Data Link
Run 2: Statistics of LEDBAT

Local clock offset: 2.708 ms
Remote clock offset: -2.035 ms

# Below is generated by plot.py at 2019-11-24 19:32:05
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 533.01 Mbit/s
  95th percentile per-packet one-way delay: 1.594 ms
  Loss rate: 0.03%
  -- Flow 1:
     Average throughput: 323.24 Mbit/s
     95th percentile per-packet one-way delay: 1.670 ms
     Loss rate: 0.01%
  -- Flow 2:
     Average throughput: 228.33 Mbit/s
     95th percentile per-packet one-way delay: 1.599 ms
     Loss rate: 0.00%
  -- Flow 3:
     Average throughput: 178.06 Mbit/s
     95th percentile per-packet one-way delay: 1.310 ms
     Loss rate: 0.21%
Run 2: Report of LEDBAT — Data Link

![Graph showing throughput and packet loss over time for different flows.]

- **Throughput (Mbps):**
  - Flow 1 ingress (mean 323.23 Mbps)
  - Flow 1 egress (mean 323.24 Mbps)
  - Flow 2 ingress (mean 228.23 Mbps)
  - Flow 2 egress (mean 228.33 Mbps)
  - Flow 3 ingress (mean 180.87 Mbps)
  - Flow 3 egress (mean 178.06 Mbps)

- **Packet Loss (ms):**
  - Flow 1 (99th percentile 1.67 ms)
  - Flow 2 (99th percentile 1.60 ms)
  - Flow 3 (99th percentile 1.31 ms)
Run 3: Statistics of LEDBAT

End at: 2019-11-24 17:14:18
Local clock offset: 3.698 ms
Remote clock offset: 0.4 ms

# Below is generated by plot.py at 2019-11-24 19:32:20
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 461.53 Mbit/s
  95th percentile per-packet one-way delay: 20.192 ms
  Loss rate: 0.05%
  -- Flow 1:
     Average throughput: 278.06 Mbit/s
     95th percentile per-packet one-way delay: 19.019 ms
     Loss rate: 0.07%
  -- Flow 2:
     Average throughput: 180.01 Mbit/s
     95th percentile per-packet one-way delay: 20.773 ms
     Loss rate: 0.04%
  -- Flow 3:
     Average throughput: 191.76 Mbit/s
     95th percentile per-packet one-way delay: 2.257 ms
     Loss rate: 0.00%
Run 3: Report of LEDBAT — Data Link
Run 4: Statistics of LEDBAT

End at: 2019-11-24 17:49:02
Local clock offset: 4.18 ms
Remote clock offset: -1.717 ms

# Below is generated by plot.py at 2019-11-24 19:33:27
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 521.28 Mbit/s
  95th percentile per-packet one-way delay: 19.247 ms
  Loss rate: 0.04%
-- Flow 1:
  Average throughput: 348.92 Mbit/s
  95th percentile per-packet one-way delay: 2.658 ms
  Loss rate: 0.00%
-- Flow 2:
  Average throughput: 188.01 Mbit/s
  95th percentile per-packet one-way delay: 18.812 ms
  Loss rate: 0.10%
-- Flow 3:
  Average throughput: 142.98 Mbit/s
  95th percentile per-packet one-way delay: 20.214 ms
  Loss rate: 0.13%
Run 5: Statistics of LEDBAT

Local clock offset: 4.257 ms
Remote clock offset: 0.083 ms

# Below is generated by plot.py at 2019-11-24 19:33:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 478.18 Mbit/s
95th percentile per-packet one-way delay: 18.668 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 237.79 Mbit/s
95th percentile per-packet one-way delay: 19.004 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 252.89 Mbit/s
95th percentile per-packet one-way delay: 2.040 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 217.09 Mbit/s
95th percentile per-packet one-way delay: 1.972 ms
Loss rate: 0.00%
Run 5: Report of LEDBAT — Data Link
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-11-24 15:52:08
End at: 2019-11-24 15:52:38
Local clock offset: 2.961 ms
Remote clock offset: 0.751 ms

# Below is generated by plot.py at 2019-11-24 19:33:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 71.40 Mbit/s
95th percentile per-packet one-way delay: 19.324 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 49.46 Mbit/s
95th percentile per-packet one-way delay: 19.237 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 28.04 Mbit/s
95th percentile per-packet one-way delay: 19.388 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 10.93 Mbit/s
95th percentile per-packet one-way delay: 0.887 ms
Loss rate: 0.02%
Run 1: Report of Muses_DecisionTree — Data Link

![Graph showing network throughput and packet loss](image-url)

- **Throughput** (Mbps):
  - Flow 1 ingress (mean 49.43 Mbps)
  - Flow 1 egress (mean 49.46 Mbps)
  - Flow 2 ingress (mean 28.04 Mbps)
  - Flow 2 egress (mean 28.04 Mbps)
  - Flow 3 ingress (mean 10.93 Mbps)
  - Flow 3 egress (mean 10.93 Mbps)

- **Packet loss one-way delay (ms)**:
  - Flow 1 (95th percentile 19.24 ms)
  - Flow 2 (95th percentile 19.39 ms)
  - Flow 3 (95th percentile 0.89 ms)
Run 2: Statistics of Muses\_DecisionTree

Start at: 2019-11-24 16:27:01
Local clock offset: 2.768 ms
Remote clock offset: 1.539 ms

# Below is generated by plot.py at 2019-11-24 19:33:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 155.64 Mbit/s
95th percentile per-packet one-way delay: 19.757 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 144.12 Mbit/s
95th percentile per-packet one-way delay: 19.761 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 11.96 Mbit/s
95th percentile per-packet one-way delay: 0.711 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 11.54 Mbit/s
95th percentile per-packet one-way delay: 0.639 ms
Loss rate: 0.02%
Run 2: Report of Muses_Document Tree — Data Link

![Graph 1: Throughput vs Time](image1)

- **Flow 1 ingress (mean 144.09 Mbit/s)**
- **Flow 1 egress (mean 144.12 Mbit/s)**
- **Flow 2 ingress (mean 11.96 Mbit/s)**
- **Flow 2 egress (mean 11.96 Mbit/s)**
- **Flow 3 ingress (mean 11.54 Mbit/s)**
- **Flow 3 egress (mean 11.54 Mbit/s)**

![Graph 2: Per-packet one-way delay vs Time](image2)

- **Flow 1 (95th percentile 19.76 ms)**
- **Flow 2 (95th percentile 0.71 ms)**
- **Flow 3 (95th percentile 0.64 ms)**

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Run 3: Statistics of Muses\_DecisionTree

Start at: 2019-11-24 17:01:17
End at: 2019-11-24 17:01:47
Local clock offset: 3.522 ms
Remote clock offset: -2.689 ms

# Below is generated by plot.py at 2019-11-24 19:33:27
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 24.07 Mbit/s
  95th percentile per-packet one-way delay: 1.070 ms
  Loss rate: 0.01%
-- Flow 1:
  Average throughput: 12.31 Mbit/s
  95th percentile per-packet one-way delay: 1.064 ms
  Loss rate: 0.01%
-- Flow 2:
  Average throughput: 12.13 Mbit/s
  95th percentile per-packet one-way delay: 1.070 ms
  Loss rate: 0.00%
-- Flow 3:
  Average throughput: 11.85 Mbit/s
  95th percentile per-packet one-way delay: 1.078 ms
  Loss rate: 0.02%
Run 3: Report of Muses
DecisionTree — Data Link

![Graph 1: Throughput vs Time](image1.png)

![Graph 2: Packet One-Way Delay vs Time](image2.png)
Run 4: Statistics of Muses\_DecisionTree

Start at: 2019-11-24 17:36:04
End at: 2019-11-24 17:36:34
Local clock offset: 3.982 ms
Remote clock offset: 1.713 ms

# Below is generated by plot.py at 2019-11-24 19:33:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 38.71 Mbit/s
95th percentile per-packet one-way delay: 18.446 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 12.05 Mbit/s
95th percentile per-packet one-way delay: 0.817 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.99 Mbit/s
95th percentile per-packet one-way delay: 0.733 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 58.72 Mbit/s
95th percentile per-packet one-way delay: 18.485 ms
Loss rate: 0.20%
Run 4: Report of Muses_DocumentTree — Data Link
Run 5: Statistics of Muses\_DecisionTree

Start at: 2019-11-24 18:10:45
End at: 2019-11-24 18:11:15
Local clock offset: 4.46 ms
Remote clock offset: -2.217 ms

# Below is generated by plot.py at 2019-11-24 19:33:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 207.73 Mbit/s
95th percentile per-packet one-way delay: 18.892 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 171.76 Mbit/s
95th percentile per-packet one-way delay: 18.878 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 49.50 Mbit/s
95th percentile per-packet one-way delay: 18.938 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 10.77 Mbit/s
95th percentile per-packet one-way delay: 1.132 ms
Loss rate: 0.02%
Run 5: Report of Muses_DecisionTree — Data Link

![Graph showing throughput and packet delay over time for different flows.]

**Throughput (Mbps):**
- Flow 1 ingress (mean 171.64 Mbps)
- Flow 1 egress (mean 171.76 Mbps)
- Flow 2 ingress (mean 49.47 Mbps)
- Flow 2 egress (mean 49.50 Mbps)
- Flow 3 ingress (mean 10.77 Mbps)
- Flow 3 egress (mean 10.77 Mbps)

**Packet Delay (ms):**
- Flow 1 (95th percentile 18.88 ms)
- Flow 2 (95th percentile 18.94 ms)
- Flow 3 (95th percentile 1.13 ms)
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-11-24 16:01:57
End at: 2019-11-24 16:02:27
Local clock offset: 2.879 ms
Remote clock offset: 0.67 ms

# Below is generated by plot.py at 2019-11-24 19:33:27
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 224.60 Mbit/s
  95th percentile per-packet one-way delay: 20.049 ms
  Loss rate: 0.04%
-- Flow 1:
  Average throughput: 212.97 Mbit/s
  95th percentile per-packet one-way delay: 20.051 ms
  Loss rate: 0.04%
-- Flow 2:
  Average throughput: 11.88 Mbit/s
  95th percentile per-packet one-way delay: 1.033 ms
  Loss rate: 0.01%
-- Flow 3:
  Average throughput: 12.04 Mbit/s
  95th percentile per-packet one-way delay: 1.040 ms
  Loss rate: 0.02%
Run 1: Report of Muses_DecisionTreeH0 — Data Link
Run 2: Statistics of Muses\_DecisionTreeH0

Start at: 2019-11-24 16:36:42
End at: 2019-11-24 16:37:12
Local clock offset: 2.702 ms
Remote clock offset: -1.526 ms

# Below is generated by plot.py at 2019-11-24 19:33:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 193.46 Mbit/s
95th percentile per-packet one-way delay: 18.230 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 182.05 Mbit/s
95th percentile per-packet one-way delay: 18.233 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 11.68 Mbit/s
95th percentile per-packet one-way delay: 0.799 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 11.89 Mbit/s
95th percentile per-packet one-way delay: 0.796 ms
Loss rate: 0.01%
Run 2: Report of Muses_DecimalTreeH0 — Data Link
Run 3: Statistics of Muses\_DecisionTreeH0

Start at: 2019-11-24 17:11:00
End at: 2019-11-24 17:11:30
Local clock offset: 3.644 ms
Remote clock offset: -0.135 ms

# Below is generated by plot.py at 2019-11-24 19:34:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 242.65 Mbit/s
95th percentile per-packet one-way delay: 19.968 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 196.40 Mbit/s
95th percentile per-packet one-way delay: 19.533 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 65.08 Mbit/s
95th percentile per-packet one-way delay: 20.066 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 11.73 Mbit/s
95th percentile per-packet one-way delay: 1.066 ms
Loss rate: 0.01%
Run 3: Report of Muses_DecisionTreeH0 — Data Link
Run 4: Statistics of Muses\_DecisionTreeH0

Start at: 2019-11-24 17:45:50  
End at: 2019-11-24 17:46:20  
Local clock offset: 4.123 ms  
Remote clock offset: -1.382 ms

# Below is generated by plot.py at 2019-11-24 19:34:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 50.67 Mbit/s  
95th percentile per-packet one-way delay: 19.791 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 12.07 Mbit/s  
95th percentile per-packet one-way delay: 0.845 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 12.04 Mbit/s  
95th percentile per-packet one-way delay: 0.825 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 96.03 Mbit/s  
95th percentile per-packet one-way delay: 19.817 ms  
Loss rate: 0.22%
Run 4: Report of Muses_DecimalTreeH0 — Data Link
Run 5: Statistics of Muses\_DecisionTreeH0

End at: 2019-11-24 18:21:09
Local clock offset: 4.285 ms
Remote clock offset: -0.239 ms

# Below is generated by plot.py at 2019-11-24 19:34:09
# Datalink statistics
-- Total of 3 flows:
   Average throughput: 187.94 Mbit/s
   95th percentile per-packet one-way delay: 18.816 ms
   Loss rate: 0.02%
-- Flow 1:
   Average throughput: 165.22 Mbit/s
   95th percentile per-packet one-way delay: 18.822 ms
   Loss rate: 0.01%
-- Flow 2:
   Average throughput: 29.17 Mbit/s
   95th percentile per-packet one-way delay: 18.420 ms
   Loss rate: 0.06%
-- Flow 3:
   Average throughput: 11.51 Mbit/s
   95th percentile per-packet one-way delay: 1.012 ms
   Loss rate: 0.02%
Run 5: Report of Muses_DecisionTreeH0 — Data Link
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-24 15:58:03  
End at: 2019-11-24 15:58:33  
Local clock offset: 2.89 ms  
Remote clock offset: 0.609 ms

# Below is generated by plot.py at 2019-11-24 19:34:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 85.44 Mbit/s  
95th percentile per-packet one-way delay: 19.337 ms  
Loss rate: 0.01%

-- Flow 1:  
Average throughput: 74.00 Mbit/s  
95th percentile per-packet one-way delay: 19.345 ms  
Loss rate: 0.01%

-- Flow 2:  
Average throughput: 11.80 Mbit/s  
95th percentile per-packet one-way delay: 0.981 ms  
Loss rate: 0.01%

-- Flow 3:  
Average throughput: 11.68 Mbit/s  
95th percentile per-packet one-way delay: 0.966 ms  
Loss rate: 0.00%
Run 1: Report of Muses_DecisionTreeR0 — Data Link
Run 2: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-24 16:32:51
End at: 2019-11-24 16:33:21
Local clock offset: 2.715 ms
Remote clock offset: -0.71 ms

# Below is generated by plot.py at 2019-11-24 19:34:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.89 Mbit/s
95th percentile per-packet one-way delay: 0.823 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 11.98 Mbit/s
95th percentile per-packet one-way delay: 0.829 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 12.56 Mbit/s
95th percentile per-packet one-way delay: 0.792 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 11.46 Mbit/s
95th percentile per-packet one-way delay: 0.753 ms
Loss rate: 0.01%
Run 2: Report of Muses_DecisionTreeR0 — Data Link
Run 3: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-24 17:07:03  
End at: 2019-11-24 17:07:33  
Local clock offset: 3.615 ms  
Remote clock offset: -0.925 ms 

# Below is generated by plot.py at 2019-11-24 19:34:19  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 179.57 Mbit/s  
95th percentile per-packet one-way delay: 20.039 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 171.15 Mbit/s  
95th percentile per-packet one-way delay: 20.041 ms  
Loss rate: 0.04%  
-- Flow 2:  
Average throughput: 12.13 Mbit/s  
95th percentile per-packet one-way delay: 1.051 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 1.51 Mbit/s  
95th percentile per-packet one-way delay: 20.099 ms  
Loss rate: 0.17%
Run 3: Report of Muses_DecisionTreeR0 — Data Link
Run 4: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-24 17:41:52
End at: 2019-11-24 17:42:22
Local clock offset: 4.038 ms
Remote clock offset: -0.54 ms

# Below is generated by plot.py at 2019-11-24 19:34:19
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 103.43 Mbit/s
  95th percentile per-packet one-way delay: 19.161 ms
  Loss rate: 0.02%
-- Flow 1:
  Average throughput: 92.27 Mbit/s
  95th percentile per-packet one-way delay: 19.167 ms
  Loss rate: 0.01%
-- Flow 2:
  Average throughput: 11.63 Mbit/s
  95th percentile per-packet one-way delay: 0.784 ms
  Loss rate: 0.01%
-- Flow 3:
  Average throughput: 11.05 Mbit/s
  95th percentile per-packet one-way delay: 18.200 ms
  Loss rate: 0.32%
Run 4: Report of Muses_DecisionTreeR0 — Data Link
Run 5: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-24 18:16:42
End at: 2019-11-24 18:17:12
Local clock offset: 4.31 ms
Remote clock offset: -0.877 ms

# Below is generated by plot.py at 2019-11-24 19:34:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 179.16 Mbit/s
95th percentile per-packet one-way delay: 19.615 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 164.78 Mbit/s
95th percentile per-packet one-way delay: 19.623 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 17.01 Mbit/s
95th percentile per-packet one-way delay: 19.394 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 10.74 Mbit/s
95th percentile per-packet one-way delay: 1.069 ms
Loss rate: 0.02%
Run 5: Report of Muses_DecisionTreeR0 — Data Link
Run 1: Statistics of PCC-Allegro

End at: 2019-11-24 16:18:44
Local clock offset: 2.792 ms
Remote clock offset: 1.468 ms

# Below is generated by plot.py at 2019-11-24 19:40:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 728.62 Mbit/s
95th percentile per-packet one-way delay: 31.041 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 600.30 Mbit/s
95th percentile per-packet one-way delay: 31.946 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 122.49 Mbit/s
95th percentile per-packet one-way delay: 1.609 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 142.79 Mbit/s
95th percentile per-packet one-way delay: 1.661 ms
Loss rate: 0.01%
Run 1: Report of PCC-Allegro — Data Link
Run 2: Statistics of PCC-Allegro

End at: 2019-11-24 16:53:14
Local clock offset: 3.358 ms
Remote clock offset: -2.933 ms

# Below is generated by plot.py at 2019-11-24 19:40:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 690.01 Mbit/s
95th percentile per-packet one-way delay: 121.893 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 441.25 Mbit/s
95th percentile per-packet one-way delay: 122.217 ms
Loss rate: 1.90%
-- Flow 2:
Average throughput: 298.69 Mbit/s
95th percentile per-packet one-way delay: 123.270 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 154.15 Mbit/s
95th percentile per-packet one-way delay: 19.783 ms
Loss rate: 0.26%
Run 2: Report of PCC-Allegro — Data Link

![Graph 1: Throughput vs Time](image1)

- Flow 1 ingress (mean 449.73 Mbit/s)
- Flow 1 egress (mean 441.25 Mbit/s)
- Flow 2 ingress (mean 298.80 Mbit/s)
- Flow 2 egress (mean 298.69 Mbit/s)
- Flow 3 ingress (mean 154.23 Mbit/s)
- Flow 3 egress (mean 154.15 Mbit/s)

![Graph 2: Per-packet one-way delay vs Time](image2)

- Flow 1 (95th percentile 122.22 ms)
- Flow 2 (95th percentile 123.27 ms)
- Flow 3 (95th percentile 19.78 ms)
Run 3: Statistics of PCC-Allegro

Local clock offset: 3.883 ms
Remote clock offset: 1.802 ms

# Below is generated by plot.py at 2019-11-24 19:42:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 781.81 Mbit/s
95th percentile per-packet one-way delay: 131.663 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 622.24 Mbit/s
95th percentile per-packet one-way delay: 132.522 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 175.05 Mbit/s
95th percentile per-packet one-way delay: 2.827 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 131.54 Mbit/s
95th percentile per-packet one-way delay: 19.962 ms
Loss rate: 0.23%
Run 3: Report of PCC-Allegro — Data Link

![Graph showing throughput and delay over time for different flows.](image_url)
Run 4: Statistics of PCC-Allegro

Start at: 2019-11-24 18:01:58
End at: 2019-11-24 18:02:28
Local clock offset: 4.409 ms
Remote clock offset: -2.692 ms

# Below is generated by plot.py at 2019-11-24 19:42:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 805.08 Mbit/s
95th percentile per-packet one-way delay: 105.746 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 684.92 Mbit/s
95th percentile per-packet one-way delay: 107.423 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 64.23 Mbit/s
95th percentile per-packet one-way delay: 1.736 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 235.77 Mbit/s
95th percentile per-packet one-way delay: 24.941 ms
Loss rate: 0.15%
Run 4: Report of PCC-Allegro — Data Link

![Graph showing network performance metrics over time]

- **Flow 1 Ingress** (mean 684.67 Mbit/s)
- **Flow 1 Egress** (mean 684.92 Mbit/s)
- **Flow 2 Ingress** (mean 64.19 Mbit/s)
- **Flow 2 Egress** (mean 64.23 Mbit/s)
- **Flow 3 Ingress** (mean 235.54 Mbit/s)
- **Flow 3 Egress** (mean 235.77 Mbit/s)

![Graph showing per-packet delay over time]

- **Flow 1 (95th percentile 107.42 ms)**
- **Flow 2 (95th percentile 1.74 ms)**
- **Flow 3 (95th percentile 24.94 ms)**

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Run 5: Statistics of PCC-Allegro

Start at: 2019-11-24 18:36:44
End at: 2019-11-24 18:37:14
Local clock offset: 4.279 ms
Remote clock offset: 1.032 ms

# Below is generated by plot.py at 2019-11-24 19:42:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 673.96 Mbit/s
95th percentile per-packet one-way delay: 2.812 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 507.80 Mbit/s
95th percentile per-packet one-way delay: 4.419 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 172.14 Mbit/s
95th percentile per-packet one-way delay: 1.372 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 157.64 Mbit/s
95th percentile per-packet one-way delay: 1.639 ms
Loss rate: 0.00%
Run 5: Report of PCC-Allegro — Data Link
Run 1: Statistics of PCC-Expr

Local clock offset: 2.784 ms
Remote clock offset: 1.611 ms

# Below is generated by plot.py at 2019-11-24 19:42:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 396.13 Mbit/s
95th percentile per-packet one-way delay: 20.760 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 283.28 Mbit/s
95th percentile per-packet one-way delay: 21.716 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 123.41 Mbit/s
95th percentile per-packet one-way delay: 1.058 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 93.33 Mbit/s
95th percentile per-packet one-way delay: 19.525 ms
Loss rate: 0.36%
Run 1: Report of PCC-Expr — Data Link
Run 2: Statistics of PCC-Expr

End at: 2019-11-24 16:56:03
Local clock offset: 3.435 ms
Remote clock offset: -2.969 ms

# Below is generated by plot.py at 2019-11-24 19:44:16
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 464.89 Mbit/s
  95th percentile per-packet one-way delay: 18.342 ms
  Loss rate: 0.02%
-- Flow 1:
  Average throughput: 321.29 Mbit/s
  95th percentile per-packet one-way delay: 1.019 ms
  Loss rate: 0.00%
-- Flow 2:
  Average throughput: 213.45 Mbit/s
  95th percentile per-packet one-way delay: 18.479 ms
  Loss rate: 0.06%
-- Flow 3:
  Average throughput: 5.58 Mbit/s
  95th percentile per-packet one-way delay: 0.930 ms
  Loss rate: 0.00%
Run 2: Report of PCC-Expr — Data Link
Run 3: Statistics of PCC-Expr

Start at: 2019-11-24 17:30:11
End at: 2019-11-24 17:30:41
Local clock offset: 3.933 ms
Remote clock offset: 2.168 ms

# Below is generated by plot.py at 2019-11-24 19:44:16
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 336.42 Mbit/s
  95th percentile per-packet one-way delay: 1.019 ms
  Loss rate: 0.01%
-- Flow 1:
  Average throughput: 324.20 Mbit/s
  95th percentile per-packet one-way delay: 1.016 ms
  Loss rate: 0.01%
-- Flow 2:
  Average throughput: 5.57 Mbit/s
  95th percentile per-packet one-way delay: 0.943 ms
  Loss rate: 0.01%
-- Flow 3:
  Average throughput: 25.88 Mbit/s
  95th percentile per-packet one-way delay: 1.193 ms
  Loss rate: 0.10%
Run 3: Report of PCC-Expr — Data Link
Run 4: Statistics of PCC-Expr

Start at: 2019-11-24 18:04:49
End at: 2019-11-24 18:05:19
Local clock offset: 4.421 ms
Remote clock offset: -2.767 ms

# Below is generated by plot.py at 2019-11-24 19:50:44
# Datalink statistics
-- Total of 3 flows:
   Average throughput: 479.53 Mbit/s
   95th percentile per-packet one-way delay: 0.980 ms
   Loss rate: 0.01%
-- Flow 1:
   Average throughput: 383.06 Mbit/s
   95th percentile per-packet one-way delay: 0.934 ms
   Loss rate: 0.01%
-- Flow 2:
   Average throughput: 143.07 Mbit/s
   95th percentile per-packet one-way delay: 1.107 ms
   Loss rate: 0.00%
-- Flow 3:
   Average throughput: 4.23 Mbit/s
   95th percentile per-packet one-way delay: 0.853 ms
   Loss rate: 0.00%
Run 4: Report of PCC-Expr — Data Link

[Graph showing throughput and latency over time with legends for different flows and their mean rates.]

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Run 5: Statistics of PCC-Expr

Start at: 2019-11-24 18:39:34
End at: 2019-11-24 18:40:04
Local clock offset: 4.28 ms
Remote clock offset: 1.093 ms

# Below is generated by plot.py at 2019-11-24 19:50:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 460.81 Mbit/s
95th percentile per-packet one-way delay: 19.862 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 350.14 Mbit/s
95th percentile per-packet one-way delay: 20.141 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 122.88 Mbit/s
95th percentile per-packet one-way delay: 1.344 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 87.32 Mbit/s
95th percentile per-packet one-way delay: 1.388 ms
Loss rate: 0.02%
Run 5: Report of PCC-Expr — Data Link

![Graph showing throughput over time for different flows.]

*Legend:*
- Flow 1 ingress (mean 350.09 Mbit/s)
- Flow 1 egress (mean 350.14 Mbit/s)
- Flow 2 ingress (mean 122.87 Mbit/s)
- Flow 2 egress (mean 122.88 Mbit/s)
- Flow 3 ingress (mean 87.33 Mbit/s)
- Flow 3 egress (mean 87.32 Mbit/s)

![Graph showing packet one-way delay over time for different flows.]

*Legend:*
- Flow 1 (95th percentile 20.14 ms)
- Flow 2 (95th percentile 1.34 ms)
- Flow 3 (95th percentile 1.39 ms)
Run 1: Statistics of QUIC Cubic

Start at: 2019-11-24 16:00:38
End at: 2019-11-24 16:01:08
Local clock offset: 2.869 ms
Remote clock offset: 0.7 ms

# Below is generated by plot.py at 2019-11-24 19:50:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 140.12 Mbit/s
95th percentile per-packet one-way delay: 19.399 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 77.77 Mbit/s
95th percentile per-packet one-way delay: 0.942 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 65.75 Mbit/s
95th percentile per-packet one-way delay: 19.456 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 55.23 Mbit/s
95th percentile per-packet one-way delay: 18.805 ms
Loss rate: 0.24%
Run 1: Report of QUIC Cubic — Data Link

Throughput (Mbps)

Time (s)

Flow 1 ingress (mean 77.76 Mbps)
Flow 1 egress (mean 77.77 Mbps)
Flow 2 ingress (mean 65.75 Mbps)
Flow 2 egress (mean 65.75 Mbps)
Flow 3 ingress (mean 55.21 Mbps)
Flow 3 egress (mean 55.23 Mbps)

Per-packet one-way delay (ms)

Time (s)

Flow 1 (95th percentile 0.94 ms)
Flow 2 (95th percentile 19.46 ms)
Flow 3 (95th percentile 18.80 ms)
Run 2: Statistics of QUIC Cubic

Start at: 2019-11-24 16:35:24
End at: 2019-11-24 16:35:54
Local clock offset: 2.716 ms
Remote clock offset: -1.346 ms

# Below is generated by plot.py at 2019-11-24 19:50:44
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 133.91 Mbit/s
  95th percentile per-packet one-way delay: 19.847 ms
  Loss rate: 0.03%
-- Flow 1:
  Average throughput: 67.88 Mbit/s
  95th percentile per-packet one-way delay: 19.881 ms
  Loss rate: 0.05%
-- Flow 2:
  Average throughput: 73.20 Mbit/s
  95th percentile per-packet one-way delay: 0.863 ms
  Loss rate: 0.01%
-- Flow 3:
  Average throughput: 52.24 Mbit/s
  95th percentile per-packet one-way delay: 0.856 ms
  Loss rate: 0.02%
Run 2: Report of QUIC Cubic — Data Link

![Graphs showing throughput and per-packet one-way delay over time for different flows.]

- Flow 1 ingress (mean 67.87 Mbit/s)
- Flow 1 egress (mean 67.88 Mbit/s)
- Flow 2 ingress (mean 73.20 Mbit/s)
- Flow 2 egress (mean 73.20 Mbit/s)
- Flow 3 ingress (mean 52.26 Mbit/s)
- Flow 3 egress (mean 52.24 Mbit/s)

Throughput (Mbps)

Time (s)

Per-packet one-way delay (ms)

Time (s)
Run 3: Statistics of QUIC Cubic

Start at: 2019-11-24 17:09:40
End at: 2019-11-24 17:10:10
Local clock offset: 3.66 ms
Remote clock offset: -0.319 ms

# Below is generated by plot.py at 2019-11-24 19:50:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 141.64 Mbit/s
95th percentile per-packet one-way delay: 1.032 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 75.80 Mbit/s
95th percentile per-packet one-way delay: 1.016 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 69.82 Mbit/s
95th percentile per-packet one-way delay: 1.039 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 58.64 Mbit/s
95th percentile per-packet one-way delay: 1.066 ms
Loss rate: 0.01%
Run 3: Report of QUIC Cubic — Data Link

[Graph showing throughput and packet one-way delay over time for different flows.
Legend:
- Flow 1 ingress (mean 75.77 Mbit/s)
- Flow 1 egress (mean 75.80 Mbit/s)
- Flow 2 ingress (mean 69.77 Mbit/s)
- Flow 2 egress (mean 69.82 Mbit/s)
- Flow 3 ingress (mean 58.64 Mbit/s)
- Flow 3 egress (mean 58.64 Mbit/s)
]
Run 4: Statistics of QUIC Cubic

Start at: 2019-11-24 17:44:31
End at: 2019-11-24 17:45:01
Local clock offset: 4.117 ms
Remote clock offset: -1.122 ms

# Below is generated by plot.py at 2019-11-24 19:50:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 137.92 Mbit/s
95th percentile per-packet one-way delay: 19.742 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 76.89 Mbit/s
95th percentile per-packet one-way delay: 0.826 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 65.54 Mbit/s
95th percentile per-packet one-way delay: 19.802 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 52.87 Mbit/s
95th percentile per-packet one-way delay: 19.091 ms
Loss rate: 0.21%
Run 5: Statistics of QUIC Cubic

End at: 2019-11-24 18:19:50
Local clock offset: 4.287 ms
Remote clock offset: -0.485 ms

# Below is generated by plot.py at 2019-11-24 19:50:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 140.61 Mbit/s
95th percentile per-packet one-way delay: 20.016 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 77.58 Mbit/s
95th percentile per-packet one-way delay: 1.078 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 64.83 Mbit/s
95th percentile per-packet one-way delay: 19.172 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 60.73 Mbit/s
95th percentile per-packet one-way delay: 20.130 ms
Loss rate: 0.31%
Run 5: Report of QUIC Cubic — Data Link

![Graph showing throughput and packet delay over time for different flows.]

- Flow 1 ingress (mean 77.58 Mbit/s)
- Flow 1 egress (mean 77.58 Mbit/s)
- Flow 2 ingress (mean 64.83 Mbit/s)
- Flow 2 egress (mean 64.83 Mbit/s)
- Flow 3 ingress (mean 60.72 Mbit/s)
- Flow 3 egress (mean 60.73 Mbit/s)

![Graph showing packet delay over time for different flows.]

- Flow 1 (95th percentile 1.08 ms)
- Flow 2 (95th percentile 19.17 ms)
- Flow 3 (95th percentile 20.13 ms)
Run 1: Statistics of SCReAM

End at: 2019-11-24 15:49:46
Local clock offset: 2.992 ms
Remote clock offset: 0.609 ms

# Below is generated by plot.py at 2019-11-24 19:50:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.138 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.171 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.063 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.040 ms
Loss rate: 0.35%
Run 1: Report of SCReAM — Data Link

Throughput (Mbps)

Time (s)

Flow 1 ingress (mean 0.22 Mbps)  Flow 1 egress (mean 0.22 Mbps)
Flow 2 ingress (mean 0.22 Mbps)  Flow 2 egress (mean 0.22 Mbps)
Flow 3 ingress (mean 0.22 Mbps)  Flow 3 egress (mean 0.22 Mbps)

Per packet one way delay (ms)

Time (s)

Flow 1 (95th percentile 19.17 ms)  Flow 2 (95th percentile 1.06 ms)  Flow 3 (95th percentile 1.04 ms)
Run 2: Statistics of SCReAM

Start at: 2019-11-24 16:24:12
End at: 2019-11-24 16:24:42
Local clock offset: 2.779 ms
Remote clock offset: 1.673 ms

# Below is generated by plot.py at 2019-11-24 19:50:44
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 0.43 Mbit/s
  95th percentile per-packet one-way delay: 20.143 ms
  Loss rate: 0.13%
-- Flow 1:
  Average throughput: 0.22 Mbit/s
  95th percentile per-packet one-way delay: 20.183 ms
  Loss rate: 0.13%
-- Flow 2:
  Average throughput: 0.22 Mbit/s
  95th percentile per-packet one-way delay: 19.500 ms
  Loss rate: 0.19%
-- Flow 3:
  Average throughput: 0.22 Mbit/s
  95th percentile per-packet one-way delay: 1.164 ms
  Loss rate: 0.00%
Run 2: Report of SCReAM — Data Link
Run 3: Statistics of SCReAM

End at: 2019-11-24 16:59:09
Local clock offset: 3.502 ms
Remote clock offset: -3.073 ms

# Below is generated by plot.py at 2019-11-24 19:50:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.595 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.638 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.101 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.105 ms
Loss rate: 0.00%
Run 3: Report of SCReAM — Data Link

![Graph showing throughput and packet delay over time for different flows.]

- **Throughput (Mbps)**
  - **Flow 1 ingress** (mean 0.22 Mbps)
  - **Flow 2 ingress** (mean 0.22 Mbps)
  - **Flow 3 ingress** (mean 0.22 Mbps)
  - **Flow 1 egress** (mean 0.22 Mbps)
  - **Flow 2 egress** (mean 0.22 Mbps)
  - **Flow 3 egress** (mean 0.22 Mbps)

- **Packet delay (ms)**
  - **Flow 1 (95th percentile 19.64 ms)**
  - **Flow 2 (95th percentile 1.10 ms)**
  - **Flow 3 (95th percentile 1.10 ms)**
Run 4: Statistics of SCReAM

Start at: 2019-11-24 17:33:10
End at: 2019-11-24 17:33:40
Local clock offset: 3.948 ms
Remote clock offset: 2.417 ms

# Below is generated by plot.py at 2019-11-24 19:50:44
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 0.43 Mbit/s
  95th percentile per-packet one-way delay: 18.398 ms
  Loss rate: 0.06%
-- Flow 1:
  Average throughput: 0.22 Mbit/s
  95th percentile per-packet one-way delay: 1.076 ms
  Loss rate: 0.00%
-- Flow 2:
  Average throughput: 0.22 Mbit/s
  95th percentile per-packet one-way delay: 1.051 ms
  Loss rate: 0.00%
-- Flow 3:
  Average throughput: 0.22 Mbit/s
  95th percentile per-packet one-way delay: 18.498 ms
  Loss rate: 0.35%
Run 4: Report of SCReAM — Data Link

**Throughput (Mbps) vs Time (s)**

- Flow 1 ingress (mean 0.22 Mbps)
- Flow 1 egress (mean 0.22 Mbps)
- Flow 2 ingress (mean 0.22 Mbps)
- Flow 2 egress (mean 0.22 Mbps)
- Flow 3 ingress (mean 0.22 Mbps)
- Flow 3 egress (mean 0.22 Mbps)

**Per-packet one way delay (ms) vs Time (s)**

- Flow 1 (95th percentile 1.08 ms)
- Flow 2 (95th percentile 1.05 ms)
- Flow 3 (95th percentile 10.50 ms)
Run 5: Statistics of SCReAM

End at: 2019-11-24 18:08:25
Local clock offset: 4.455 ms
Remote clock offset: -2.854 ms

# Below is generated by plot.py at 2019-11-24 19:50:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 18.962 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.002 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.991 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.059 ms
Loss rate: 0.35%
Run 5: Report of SCReAM — Data Link

[Graph 1: Throughput (Mbps)]

[Graph 2: Per packet size (bytes)]

Flow 1 ingress (mean 0.22 Mbps)
Flow 1 egress (mean 0.22 Mbps)
Flow 2 ingress (mean 0.22 Mbps)
Flow 2 egress (mean 0.22 Mbps)
Flow 3 ingress (mean 0.22 Mbps)
Flow 3 egress (mean 0.22 Mbps)

Flow 1 (95th percentile 1.00 ms)
Flow 2 (95th percentile 0.99 ms)
Flow 3 (95th percentile 19.06 ms)
Run 1: Statistics of Sprout

Start at: 2019-11-24 16:12:57
Local clock offset: 2.803 ms
Remote clock offset: 1.186 ms

# Below is generated by plot.py at 2019-11-24 19:50:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.15 Mbit/s
95th percentile per-packet one-way delay: 18.345 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 50.29 Mbit/s
95th percentile per-packet one-way delay: 1.016 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.80 Mbit/s
95th percentile per-packet one-way delay: 18.451 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 49.87 Mbit/s
95th percentile per-packet one-way delay: 1.276 ms
Loss rate: 0.00%
Run 1: Report of Sprout — Data Link

[Graph showing throughput and delay over time for different flows.]
Run 2: Statistics of Sprout

End at: 2019-11-24 16:47:56
Local clock offset: 3.168 ms
Remote clock offset: -2.603 ms

# Below is generated by plot.py at 2019-11-24 19:50:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.32 Mbit/s
95th percentile per-packet one-way delay: 18.709 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 25.01 Mbit/s
95th percentile per-packet one-way delay: 18.844 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 50.10 Mbit/s
95th percentile per-packet one-way delay: 0.898 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 24.22 Mbit/s
95th percentile per-packet one-way delay: 18.694 ms
Loss rate: 0.23%
Run 2: Report of Sprout — Data Link
Run 3: Statistics of Sprout

Local clock offset: 3.826 ms
Remote clock offset: 1.455 ms

# Below is generated by plot.py at 2019-11-24 19:50:44
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 91.43 Mbit/s
  95th percentile per-packet one-way delay: 18.209 ms
  Loss rate: 0.02%
-- Flow 1:
  Average throughput: 50.23 Mbit/s
  95th percentile per-packet one-way delay: 0.936 ms
  Loss rate: 0.00%
-- Flow 2:
  Average throughput: 50.16 Mbit/s
  95th percentile per-packet one-way delay: 0.956 ms
  Loss rate: 0.00%
-- Flow 3:
  Average throughput: 24.01 Mbit/s
  95th percentile per-packet one-way delay: 18.361 ms
  Loss rate: 0.20%
Run 3: Report of Sprout — Data Link
Run 4: Statistics of Sprout

Start at: 2019-11-24 17:56:41
End at: 2019-11-24 17:57:11
Local clock offset: 4.309 ms
Remote clock offset: -2.471 ms

# Below is generated by plot.py at 2019-11-24 19:50:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.22 Mbit/s
95th percentile per-packet one-way delay: 18.699 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 24.36 Mbit/s
95th percentile per-packet one-way delay: 18.759 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 50.21 Mbit/s
95th percentile per-packet one-way delay: 0.929 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 50.03 Mbit/s
95th percentile per-packet one-way delay: 0.899 ms
Loss rate: 0.00%
Run 4: Report of Sprout — Data Link

The first chart shows the throughput (Mbps) over time for different flows, with each line representing a different flow and its ingress and egress throughput. The second chart illustrates the per-packet one-way delay (ms) over the same time period.
Run 5: Statistics of Sprout

Local clock offset: 4.266 ms
Remote clock offset: 0.683 ms

# Below is generated by plot.py at 2019-11-24 19:50:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.58 Mbit/s
95th percentile per-packet one-way delay: 18.772 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 50.31 Mbit/s
95th percentile per-packet one-way delay: 1.032 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 24.37 Mbit/s
95th percentile per-packet one-way delay: 18.463 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 18.961 ms
Loss rate: 0.00%
Run 5: Report of Sprout — Data Link

![Graph of throughput and per-packet one way delay](image)

- Flow 1 ingress (mean 50.29 Mbit/s)
- Flow 1 egress (mean 50.31 Mbit/s)
- Flow 2 ingress (mean 24.37 Mbit/s)
- Flow 2 egress (mean 24.37 Mbit/s)
- Flow 3 ingress (mean 24.56 Mbit/s)
- Flow 3 egress (mean 24.65 Mbit/s)

![Graph of time and parameters](image)

- Flow 1 (95th percentile 1.03 ms)
- Flow 2 (95th percentile 18.44 ms)
- Flow 3 (95th percentile 18.96 ms)
Run 1: Statistics of TaoVA-100x

End at: 2019-11-24 15:56:59
Local clock offset: 2.905 ms
Remote clock offset: 0.575 ms

# Below is generated by plot.py at 2019-11-24 19:51:07
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 332.83 Mbit/s
  95th percentile per-packet one-way delay: 19.491 ms
  Loss rate: 0.07%
-- Flow 1:
  Average throughput: 193.93 Mbit/s
  95th percentile per-packet one-way delay: 18.856 ms
  Loss rate: 0.04%
-- Flow 2:
  Average throughput: 157.73 Mbit/s
  95th percentile per-packet one-way delay: 19.567 ms
  Loss rate: 0.06%
-- Flow 3:
  Average throughput: 102.32 Mbit/s
  95th percentile per-packet one-way delay: 19.104 ms
  Loss rate: 0.27%
Run 1: Report of TaoVA-100x — Data Link

Throughput (Mbit/s)

Time (s)

Flow 1 ingress (mean 193.84 Mbit/s)
Flow 1 egress (mean 193.93 Mbit/s)
Flow 2 ingress (mean 157.67 Mbit/s)
Flow 2 egress (mean 157.73 Mbit/s)
Flow 3 ingress (mean 102.39 Mbit/s)
Flow 3 egress (mean 102.32 Mbit/s)

Per-packet one way delay (ms)

Time (s)

Flow 1 (95th percentile 18.86 ms)
Flow 2 (95th percentile 19.57 ms)
Flow 3 (95th percentile 19.10 ms)
Run 2: Statistics of TaoVA-100x

Local clock offset: 2.742 ms
Remote clock offset: -0.356 ms

# Below is generated by plot.py at 2019-11-24 19:51:07
# Datalink statistics

-- Total of 3 flows:
Average throughput: 227.84 Mbit/s
95th percentile per-packet one-way delay: 18.741 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 216.88 Mbit/s
95th percentile per-packet one-way delay: 18.744 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 11.02 Mbit/s
95th percentile per-packet one-way delay: 0.848 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 10.92 Mbit/s
95th percentile per-packet one-way delay: 0.825 ms
Loss rate: 0.01%
Run 2: Report of TaoVA-100x — Data Link
Run 3: Statistics of TaoVA-100x

Start at: 2019-11-24 17:05:34
End at: 2019-11-24 17:06:04
Local clock offset: 3.566 ms
Remote clock offset: -1.298 ms

# Below is generated by plot.py at 2019-11-24 19:51:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 254.45 Mbit/s
95th percentile per-packet one-way delay: 19.453 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 190.87 Mbit/s
95th percentile per-packet one-way delay: 19.530 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 43.85 Mbit/s
95th percentile per-packet one-way delay: 1.050 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 103.76 Mbit/s
95th percentile per-packet one-way delay: 18.889 ms
Loss rate: 0.13%
Run 3: Report of TaoVA-100x — Data Link

Throughput (Mb/s)

Time (s)

Flow 1 ingress (mean 190.82 Mb/s)  Flow 1 egress (mean 190.87 Mb/s)
Flow 2 ingress (mean 43.96 Mb/s)  Flow 2 egress (mean 43.85 Mb/s)
Flow 3 ingress (mean 103.69 Mb/s)  Flow 3 egress (mean 103.76 Mb/s)

Per-packet one-way delay (ms)

Time (s)

Flow 1 (95th percentile 19.53 ms)  Flow 2 (95th percentile 1.05 ms)  Flow 3 (95th percentile 18.89 ms)
Run 4: Statistics of TaoVA-100x

Start at: 2019-11-24 17:40:24
End at: 2019-11-24 17:40:54
Local clock offset: 4.016 ms
Remote clock offset: ~0.112 ms

# Below is generated by plot.py at 2019-11-24 19:51:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 232.50 Mbit/s
95th percentile per-packet one-way delay: 19.845 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 220.72 Mbit/s
95th percentile per-packet one-way delay: 19.847 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 12.31 Mbit/s
95th percentile per-packet one-way delay: 0.778 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 10.78 Mbit/s
95th percentile per-packet one-way delay: 0.742 ms
Loss rate: 0.01%
Run 4: Report of TaoVA-100x — Data Link

![Graph](image1)

![Graph](image2)
Run 5: Statistics of TaoVA-100x

Start at: 2019-11-24 18:15:10
End at: 2019-11-24 18:15:40
Local clock offset: 4.317 ms
Remote clock offset: -1.214 ms

# Below is generated by plot.py at 2019-11-24 19:51:18
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 303.28 Mbit/s
  95th percentile per-packet one-way delay: 18.975 ms
  Loss rate: 0.02%
-- Flow 1:
  Average throughput: 176.71 Mbit/s
  95th percentile per-packet one-way delay: 18.962 ms
  Loss rate: 0.02%
-- Flow 2:
  Average throughput: 150.73 Mbit/s
  95th percentile per-packet one-way delay: 19.002 ms
  Loss rate: 0.03%
-- Flow 3:
  Average throughput: 79.28 Mbit/s
  95th percentile per-packet one-way delay: 1.167 ms
  Loss rate: 0.00%
Run 5: Report of TaoVA-100x — Data Link

---

**Throughput (Mbit/s)**

- **Flow 1 ingress** (mean 176.60 Mbit/s)
- **Flow 1 egress** (mean 176.71 Mbit/s)
- **Flow 2 ingress** (mean 150.61 Mbit/s)
- **Flow 2 egress** (mean 150.73 Mbit/s)
- **Flow 3 ingress** (mean 79.26 Mbit/s)
- **Flow 3 egress** (mean 79.28 Mbit/s)

---

**Packet loss rate**

- **Flow 1** (95th percentile 18.90 ms)
- **Flow 2** (95th percentile 19.00 ms)
- **Flow 3** (95th percentile 1.17 ms)
Run 1: Statistics of TCP Vegas

End at: 2019-11-24 15:51:01  
Local clock offset: 2.978 ms  
Remote clock offset: 0.701 ms

# Below is generated by plot.py at 2019-11-24 19:53:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 744.61 Mbit/s  
95th percentile per-packet one-way delay: 19.643 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 532.02 Mbit/s  
95th percentile per-packet one-way delay: 19.584 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 159.49 Mbit/s  
95th percentile per-packet one-way delay: 1.229 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 319.96 Mbit/s  
95th percentile per-packet one-way delay: 19.818 ms  
Loss rate: 0.21%
Run 1: Report of TCP Vegas — Data Link

[Graphs showing throughput and latency over time for different flows, with annotations for flow identification and mean throughputs.]
Run 2: Statistics of TCP Vegas

End at: 2019-11-24 16:25:56
Local clock offset: 2.749 ms
Remote clock offset: 1.826 ms

# Below is generated by plot.py at 2019-11-24 19:56:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 667.28 Mbit/s
95th percentile per-packet one-way delay: 19.658 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 205.40 Mbit/s
95th percentile per-packet one-way delay: 3.115 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 528.00 Mbit/s
95th percentile per-packet one-way delay: 19.725 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 332.63 Mbit/s
95th percentile per-packet one-way delay: 19.746 ms
Loss rate: 0.18%
Run 2: Report of TCP Vegas — Data Link
Run 3: Statistics of TCP Vegas

Start at: 2019-11-24 16:59:46
End at: 2019-11-24 17:00:16
Local clock offset: 3.501 ms
Remote clock offset: -3.058 ms

# Below is generated by plot.py at 2019-11-24 19:56:28
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 549.87 Mbit/s
  95th percentile per-packet one-way delay: 20.086 ms
  Loss rate: 0.05%
-- Flow 1:
  Average throughput: 218.56 Mbit/s
  95th percentile per-packet one-way delay: 1.337 ms
  Loss rate: 0.01%
-- Flow 2:
  Average throughput: 343.77 Mbit/s
  95th percentile per-packet one-way delay: 18.671 ms
  Loss rate: 0.06%
-- Flow 3:
  Average throughput: 310.41 Mbit/s
  95th percentile per-packet one-way delay: 20.284 ms
  Loss rate: 0.11%
Run 3: Report of TCP Vegas — Data Link
Run 4: Statistics of TCP Vegas

Start at: 2019-11-24 17:34:25
End at: 2019-11-24 17:34:55
Local clock offset: 3.945 ms
Remote clock offset: 2.494 ms

# Below is generated by plot.py at 2019-11-24 19:58:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 803.73 Mbit/s
95th percentile per-packet one-way delay: 19.532 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 416.94 Mbit/s
95th percentile per-packet one-way delay: 19.645 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 522.06 Mbit/s
95th percentile per-packet one-way delay: 19.220 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 117.49 Mbit/s
95th percentile per-packet one-way delay: 1.259 ms
Loss rate: 0.02%
Run 4: Report of TCP Vegas — Data Link

### Throughput (Mbps)

- **Flow 1 ingress (mean 416.86 Mbps)**
- **Flow 1 egress (mean 416.94 Mbps)**
- **Flow 2 ingress (mean 521.93 Mbps)**
- **Flow 2 egress (mean 522.06 Mbps)**
- **Flow 3 ingress (mean 117.50 Mbps)**
- **Flow 3 egress (mean 117.49 Mbps)**

### Packet one-way delay (ms)

- **Flow 1 (95th percentile 19.64 ms)**
- **Flow 2 (95th percentile 19.22 ms)**
- **Flow 3 (95th percentile 1.26 ms)**
Run 5: Statistics of TCP Vegas

Start at: 2019-11-24 18:09:09
End at: 2019-11-24 18:09:39
Local clock offset: 4.486 ms
Remote clock offset: -2.81 ms

# Below is generated by plot.py at 2019-11-24 19:58:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 683.44 Mbit/s
95th percentile per-packet one-way delay: 20.606 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 285.96 Mbit/s
95th percentile per-packet one-way delay: 20.236 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 455.97 Mbit/s
95th percentile per-packet one-way delay: 20.730 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 282.52 Mbit/s
95th percentile per-packet one-way delay: 21.037 ms
Loss rate: 0.20%
Run 5: Report of TCP Vegas — Data Link

![Graph showing throughput and latency over time for different flows.](image)

- Flow 1 ingress (mean 285.94 Mbit/s)
- Flow 1 egress (mean 285.96 Mbit/s)
- Flow 2 ingress (mean 455.86 Mbit/s)
- Flow 2 egress (mean 455.97 Mbit/s)
- Flow 3 ingress (mean 282.53 Mbit/s)
- Flow 3 egress (mean 282.52 Mbit/s)

![Graph showing packet delay over time for different flows.](image)

- Flow 1 (95th percentile 20.24 ms)
- Flow 2 (95th percentile 20.73 ms)
- Flow 3 (95th percentile 21.04 ms)
Run 1: Statistics of Verus

End at: 2019-11-24 16:14:43
Local clock offset: 2.756 ms
Remote clock offset: 1.237 ms

# Below is generated by plot.py at 2019-11-24 19:58:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 266.36 Mbit/s
95th percentile per-packet one-way delay: 2.016 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 141.76 Mbit/s
95th percentile per-packet one-way delay: 2.094 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 134.11 Mbit/s
95th percentile per-packet one-way delay: 1.955 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 106.13 Mbit/s
95th percentile per-packet one-way delay: 1.755 ms
Loss rate: 0.00%
Run 1: Report of Verus — Data Link

![Graph showing throughput and packet delay over time for different flows.]

- Flow 1 ingress (mean 141.76 Mbit/s)
- Flow 1 egress (mean 141.76 Mbit/s)
- Flow 2 ingress (mean 134.11 Mbit/s)
- Flow 2 egress (mean 134.11 Mbit/s)
- Flow 3 ingress (mean 106.13 Mbit/s)
- Flow 3 egress (mean 106.13 Mbit/s)

- Flow 1 (95th percentile 2.09 ms)
- Flow 2 (95th percentile 1.96 ms)
- Flow 3 (95th percentile 1.75 ms)
Run 2: Statistics of Verus

End at: 2019-11-24 16:49:12
Local clock offset: 3.218 ms
Remote clock offset: -2.658 ms

# Below is generated by plot.py at 2019-11-24 19:58:23
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 296.94 Mbit/s
  95th percentile per-packet one-way delay: 19.794 ms
  Loss rate: 0.05%
-- Flow 1:
  Average throughput: 185.31 Mbit/s
  95th percentile per-packet one-way delay: 2.298 ms
  Loss rate: 0.01%
-- Flow 2:
  Average throughput: 79.29 Mbit/s
  95th percentile per-packet one-way delay: 1.258 ms
  Loss rate: 0.00%
-- Flow 3:
  Average throughput: 177.49 Mbit/s
  95th percentile per-packet one-way delay: 20.299 ms
  Loss rate: 0.23%
Run 2: Report of Verus — Data Link

![Graph 1: Throughput (Mbps)](image1)

- Flow 1 ingress (mean 185.31 Mbps)
- Flow 1 egress (mean 185.31 Mbps)
- Flow 2 ingress (mean 79.27 Mbps)
- Flow 2 egress (mean 79.29 Mbps)
- Flow 3 ingress (mean 177.39 Mbps)
- Flow 3 egress (mean 177.49 Mbps)

![Graph 2: Percentile one-way delay (ms)](image2)

- Flow 1 (95th percentile 2.30 ms)
- Flow 2 (95th percentile 1.26 ms)
- Flow 3 (95th percentile 20.30 ms)
Run 3: Statistics of Verus

End at: 2019-11-24 17:23:43
Local clock offset: 3.84 ms
Remote clock offset: 1.446 ms

# Below is generated by plot.py at 2019-11-24 19:58:23
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 327.25 Mbit/s
  95th percentile per-packet one-way delay: 25.206 ms
  Loss rate: 0.05%
-- Flow 1:
  Average throughput: 207.35 Mbit/s
  95th percentile per-packet one-way delay: 27.190 ms
  Loss rate: 0.00%
-- Flow 2:
  Average throughput: 107.85 Mbit/s
  95th percentile per-packet one-way delay: 21.869 ms
  Loss rate: 0.09%
-- Flow 3:
  Average throughput: 145.19 Mbit/s
  95th percentile per-packet one-way delay: 21.387 ms
  Loss rate: 0.22%
Run 3: Report of Verus — Data Link

![Graph showing throughput and per-packet end-to-end delay for flows 1, 2, and 3.]

- Flow 1 ingress (mean 207.35 Mbit/s)
- Flow 1 egress (mean 207.35 Mbit/s)
- Flow 2 ingress (mean 107.78 Mbit/s)
- Flow 2 egress (mean 107.85 Mbit/s)
- Flow 3 ingress (mean 145.17 Mbit/s)
- Flow 3 egress (mean 145.19 Mbit/s)
Run 4: Statistics of Verus

Start at: 2019-11-24 17:57:57
End at: 2019-11-24 17:58:27
Local clock offset: 4.35 ms
Remote clock offset: -2.606 ms

# Below is generated by plot.py at 2019-11-24 19:58:23
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 295.70 Mbit/s
  95th percentile per-packet one-way delay: 23.215 ms
  Loss rate: 0.09%
-- Flow 1:
  Average throughput: 143.48 Mbit/s
  95th percentile per-packet one-way delay: 25.260 ms
  Loss rate: 0.05%
-- Flow 2:
  Average throughput: 170.12 Mbit/s
  95th percentile per-packet one-way delay: 20.610 ms
  Loss rate: 0.04%
-- Flow 3:
  Average throughput: 117.64 Mbit/s
  95th percentile per-packet one-way delay: 20.373 ms
  Loss rate: 0.36%
Run 4: Report of Verus — Data Link

- Throughput (Mbps):
  - Flow 1 ingress (mean 143.38 Mbps)
  - Flow 1 egress (mean 143.48 Mbps)
  - Flow 2 ingress (mean 170.01 Mbps)
  - Flow 2 egress (mean 170.12 Mbps)
  - Flow 3 ingress (mean 117.83 Mbps)
  - Flow 3 egress (mean 117.64 Mbps)

- Per packet one way delay (ms):
  - Flow 1 (95th percentile 25.26 ms)
  - Flow 2 (95th percentile 20.61 ms)
  - Flow 3 (95th percentile 20.37 ms)
Run 5: Statistics of Verus

Local clock offset: 4.27 ms
Remote clock offset: 0.835 ms

# Below is generated by plot.py at 2019-11-24 19:58:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 290.83 Mbit/s
95th percentile per-packet one-way delay: 3.058 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 160.59 Mbit/s
95th percentile per-packet one-way delay: 3.447 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 142.99 Mbit/s
95th percentile per-packet one-way delay: 1.855 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 105.54 Mbit/s
95th percentile per-packet one-way delay: 1.659 ms
Loss rate: 0.00%
Run 5: Report of Verus — Data Link

![Graph showing network performance metrics over time.](image-url)

Legend:
- Flow 1 ingress (mean 160.58 Mbit/s)
- Flow 1 egress (mean 160.59 Mbit/s)
- Flow 2 ingress (mean 142.99 Mbit/s)
- Flow 2 egress (mean 142.99 Mbit/s)
- Flow 3 ingress (mean 105.55 Mbit/s)
- Flow 3 egress (mean 105.54 Mbit/s)

![Graph showing packet delay over time.](image-url)

Legend:
- Flow 1 (95th percentile 3.45 ms)
- Flow 2 (95th percentile 1.85 ms)
- Flow 3 (95th percentile 1.66 ms)
Run 1: Statistics of PCC-Vivace

Local clock offset: 3.012 ms
Remote clock offset: 0.488 ms

# Below is generated by plot.py at 2019-11-24 19:58:23
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 343.20 Mbit/s
  95th percentile per-packet one-way delay: 19.021 ms
  Loss rate: 0.07%
-- Flow 1:
  Average throughput: 251.40 Mbit/s
  95th percentile per-packet one-way delay: 18.434 ms
  Loss rate: 0.03%
-- Flow 2:
  Average throughput: 85.59 Mbit/s
  95th percentile per-packet one-way delay: 19.216 ms
  Loss rate: 0.15%
-- Flow 3:
  Average throughput: 105.84 Mbit/s
  95th percentile per-packet one-way delay: 18.877 ms
  Loss rate: 0.20%
Run 1: Report of PCC-Vivace — Data Link
Run 2: Statistics of PCC-Vivace

Local clock offset: 2.754 ms
Remote clock offset: 1.68 ms

# Below is generated by plot.py at 2019-11-24 19:58:55
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 376.63 Mbit/s
  95th percentile per-packet one-way delay: 19.770 ms
  Loss rate: 0.50%
-- Flow 1:
  Average throughput: 278.81 Mbit/s
  95th percentile per-packet one-way delay: 19.305 ms
  Loss rate: 0.03%
-- Flow 2:
  Average throughput: 118.01 Mbit/s
  95th percentile per-packet one-way delay: 18.904 ms
  Loss rate: 2.17%
-- Flow 3:
  Average throughput: 58.75 Mbit/s
  95th percentile per-packet one-way delay: 19.987 ms
  Loss rate: 0.42%
Run 2: Report of PCC-Vivace — Data Link
Run 3: Statistics of PCC-Vivace

Start at: 2019-11-24 16:57:09
End at: 2019-11-24 16:57:39
Local clock offset: 3.472 ms
Remote clock offset: -2.99 ms

# Below is generated by plot.py at 2019-11-24 19:59:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 361.30 Mbit/s
95th percentile per-packet one-way delay: 19.341 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 237.45 Mbit/s
95th percentile per-packet one-way delay: 19.334 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 141.42 Mbit/s
95th percentile per-packet one-way delay: 19.399 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 90.51 Mbit/s
95th percentile per-packet one-way delay: 18.783 ms
Loss rate: 0.18%
Run 3: Report of PCC-Vivace — Data Link

[Graph showing throughput and per-packet end-to-end delay over time for different flows.
Legend: Flow 1 ingress (mean 237.42 Mbit/s), Flow 1 egress (mean 237.45 Mbit/s), Flow 2 ingress (mean 141.37 Mbit/s), Flow 2 egress (mean 141.42 Mbit/s), Flow 3 ingress (mean 90.50 Mbit/s), Flow 3 egress (mean 90.51 Mbit/s).]
Run 4: Statistics of PCC-Vivace

Start at: 2019-11-24 17:31:42
End at: 2019-11-24 17:32:12
Local clock offset: 3.928 ms
Remote clock offset: 2.214 ms

# Below is generated by plot.py at 2019-11-24 19:59:15
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 318.39 Mbit/s
  95th percentile per-packet one-way delay: 20.040 ms
  Loss rate: 0.04%
-- Flow 1:
  Average throughput: 228.62 Mbit/s
  95th percentile per-packet one-way delay: 20.061 ms
  Loss rate: 0.02%
-- Flow 2:
  Average throughput: 109.04 Mbit/s
  95th percentile per-packet one-way delay: 1.238 ms
  Loss rate: 0.03%
-- Flow 3:
  Average throughput: 52.24 Mbit/s
  95th percentile per-packet one-way delay: 18.857 ms
  Loss rate: 0.32%
Run 4: Report of PCC-Vivace — Data Link

![Graph showing throughput and packet delay over time for different flows.]

- Flow 1 ingress (mean 228.48 Mbit/s) vs Flow 1 egress (mean 228.62 Mbit/s)
- Flow 2 ingress (mean 109.06 Mbit/s) vs Flow 2 egress (mean 109.04 Mbit/s)
- Flow 3 ingress (mean 52.28 Mbit/s) vs Flow 3 egress (mean 52.24 Mbit/s)

![Graph showing packet delay distribution for different flows.]

- Flow 1 (95th percentile 20.06 ms) vs Flow 2 (95th percentile 1.24 ms) vs Flow 3 (95th percentile 18.86 ms)
Run 5: Statistics of PCC-Vivace

Start at: 2019-11-24 18:06:26
End at: 2019-11-24 18:06:56
Local clock offset: 4.468 ms
Remote clock offset: -2.803 ms

# Below is generated by plot.py at 2019-11-24 19:59:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 326.08 Mbit/s
95th percentile per-packet one-way delay: 0.900 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 201.05 Mbit/s
95th percentile per-packet one-way delay: 0.888 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 155.22 Mbit/s
95th percentile per-packet one-way delay: 1.000 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 66.25 Mbit/s
95th percentile per-packet one-way delay: 0.924 ms
Loss rate: 0.03%
Run 5: Report of PCC-Vivace — Data Link
Run 1: Statistics of WebRTC media

Start at: 2019-11-24 16:17:00
End at: 2019-11-24 16:17:30
Local clock offset: 2.797 ms
Remote clock offset: 1.389 ms

# Below is generated by plot.py at 2019-11-24 19:59:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 18.759 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.015 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 18.834 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 18.440 ms
Loss rate: 0.00%
Run 1: Report of WebRTC media — Data Link

![Graphs showing WebRTC media performance metrics.](image)
Run 2: Statistics of WebRTC media

Start at: 2019-11-24 16:51:30
End at: 2019-11-24 16:52:00
Local clock offset: 3.297 ms
Remote clock offset: -2.773 ms

# Below is generated by plot.py at 2019-11-24 19:59:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 19.135 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 18.715 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.203 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 0.874 ms
Loss rate: 0.00%
Run 2: Report of WebRTC media — Data Link
Run 3: Statistics of WebRTC media

Start at: 2019-11-24 17:26:03
End at: 2019-11-24 17:26:33
Local clock offset: 3.892 ms
Remote clock offset: 1.775 ms

# Below is generated by plot.py at 2019-11-24 19:59:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 18.387 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.062 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 18.440 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.069 ms
Loss rate: 0.00%
Run 3: Report of WebRTC media — Data Link
Run 4: Statistics of WebRTC media

Start at: 2019-11-24 18:00:44
End at: 2019-11-24 18:01:14
Local clock offset: 4.382 ms
Remote clock offset: -2.744 ms

# Below is generated by plot.py at 2019-11-24 19:59:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 19.536 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.534 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.576 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.058 ms
Loss rate: 0.00%
Run 4: Report of WebRTC media — Data Link

![Graph showing throughput and packet delay over time for different flows.]
Run 5: Statistics of WebRTC media

Start at: 2019-11-24 18:35:30
End at: 2019-11-24 18:36:00
Local clock offset: 4.278 ms
Remote clock offset: 0.924 ms

# Below is generated by plot.py at 2019-11-24 19:59:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 19.998 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.102 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 20.048 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.257 ms
Loss rate: 0.00%
Run 5: Report of WebRTC media — Data Link

![Graph showing throughput and per-packet round-trip delay over time for different flows.]

Legend:
- Flow 1 ingress (mean 0.05 Mbit/s)
- Flow 1 egress (mean 0.05 Mbit/s)
- Flow 2 ingress (mean 0.05 Mbit/s)
- Flow 2 egress (mean 0.05 Mbit/s)
- Flow 3 ingress (mean 0.05 Mbit/s)
- Flow 3 egress (mean 0.05 Mbit/s)