Pantheon Report

Generated at 2019-08-27 20:17:37 (UTC).
Data path: GCE Tokyo on ens4 (remote) → GCE Sydney on ens4 (local).
Repeated the test of 24 congestion control schemes 5 times.
Each test lasted for 30 seconds running 1 flow.
NTP offsets were measured against time.google.com and have been applied
to correct the timestamps in logs.

System info:
Linux 4.15.0-1036-gcp
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 @ de42328552b3776a75a932a94dfafed722537b0ec
third_party/fillp @ 069bb722943babcd2b090264fd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbfe5e62f4
third_party/indigo @ 2601c92e4aa9d58d38c4d4fe0edbf9c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce5b7cf3cf
third_party/muses @ 5ce721187ad823da2095537730c746486ca4966
third_party/muses_dtree @ 387225f7b5f61d6eb802db984ebf3200
third_party/pantheon-tunnel @ 77961f1a8273a86b42f1bc8143ecb978f3c7f4
third_party/scream-reproduce @ f099118d1421a3131bf11ff1964974e1da3e2b
third_party/pcc @ b2c958fa0d66d19b623c091a55f8c872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ f8663f58d27af9d42717625ee3a354cc2e802bd
third_party/scream-client @ 387225f7b5f61d6eb802db984ebf3200
third_party/scream-scream-client @ b2c958fa0d66d19b623c091a55f8c872b4981e1
M src/ScreamClient
M src/ScreamServer
third_party/sprount @ b3e335c6178b01e31d4a46ad18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sprount2.cc
M src/network/sprountconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562539f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
test from GCE Tokyo to GCE Sydney, 5 runs of 30s each per scheme (mean of all runs by scheme)

<table>
<thead>
<tr>
<th>Average throughput (Mbit/s)</th>
<th>32</th>
<th>64</th>
<th>128</th>
<th>256</th>
</tr>
</thead>
<tbody>
<tr>
<td>95th percentile one-way delay (ms)</td>
<td>0</td>
<td>200</td>
<td>400</td>
<td>600</td>
</tr>
</tbody>
</table>

Diagram 1: Scatter plot showing the relationship between average throughput and 95th percentile one-way delay for different schemes.

Diagram 2: Distribution of average throughput and 95th percentile one-way delay for various schemes, visualized with different markers.
<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>465.55</td>
<td>83.65</td>
<td>0.45</td>
</tr>
<tr>
<td>Copa</td>
<td>5</td>
<td>310.64</td>
<td>69.08</td>
<td>0.38</td>
</tr>
<tr>
<td>TCP Cubic</td>
<td>5</td>
<td>482.03</td>
<td>73.67</td>
<td>0.35</td>
</tr>
<tr>
<td>FillP</td>
<td>5</td>
<td>893.08</td>
<td>86.46</td>
<td>0.63</td>
</tr>
<tr>
<td>FillP-Sheep</td>
<td>5</td>
<td>848.49</td>
<td>89.03</td>
<td>0.53</td>
</tr>
<tr>
<td>Indigo</td>
<td>5</td>
<td>206.95</td>
<td>58.15</td>
<td>0.44</td>
</tr>
<tr>
<td>Indigo-MusesC3</td>
<td>5</td>
<td>551.80</td>
<td>65.23</td>
<td>0.46</td>
</tr>
<tr>
<td>Indigo-MusesC5</td>
<td>5</td>
<td>581.95</td>
<td>88.96</td>
<td>0.48</td>
</tr>
<tr>
<td>Indigo-MusesD</td>
<td>5</td>
<td>403.84</td>
<td>64.26</td>
<td>0.40</td>
</tr>
<tr>
<td>Indigo-MusesT</td>
<td>5</td>
<td>608.22</td>
<td>105.38</td>
<td>0.46</td>
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<tr>
<td>LEDBAT</td>
<td>5</td>
<td>23.66</td>
<td>57.68</td>
<td>0.66</td>
</tr>
<tr>
<td>Muses_DecisionTree</td>
<td>5</td>
<td>577.99</td>
<td>75.40</td>
<td>0.43</td>
</tr>
<tr>
<td>Muses_DecisionTreeH0</td>
<td>5</td>
<td>398.29</td>
<td>116.43</td>
<td>0.42</td>
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<tr>
<td>Muses_DecisionTreeR0</td>
<td>5</td>
<td>589.38</td>
<td>69.79</td>
<td>0.37</td>
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<tr>
<td>PCC-Allegro</td>
<td>5</td>
<td>449.22</td>
<td>155.09</td>
<td>1.92</td>
</tr>
<tr>
<td>PCC-Expr</td>
<td>5</td>
<td>328.01</td>
<td>139.15</td>
<td>1.49</td>
</tr>
<tr>
<td>QUIC Cubic</td>
<td>5</td>
<td>74.84</td>
<td>57.01</td>
<td>0.55</td>
</tr>
<tr>
<td>SCReAM</td>
<td>5</td>
<td>0.22</td>
<td>57.20</td>
<td>0.38</td>
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<tr>
<td>Sprout</td>
<td>5</td>
<td>7.34</td>
<td>58.57</td>
<td>0.42</td>
</tr>
<tr>
<td>TaoVA-100x</td>
<td>5</td>
<td>232.91</td>
<td>57.57</td>
<td>0.40</td>
</tr>
<tr>
<td>TCP Vegas</td>
<td>5</td>
<td>431.80</td>
<td>58.48</td>
<td>0.40</td>
</tr>
<tr>
<td>Verus</td>
<td>5</td>
<td>187.19</td>
<td>137.45</td>
<td>0.86</td>
</tr>
<tr>
<td>PCC-Vivace</td>
<td>5</td>
<td>329.91</td>
<td>60.30</td>
<td>0.42</td>
</tr>
<tr>
<td>WebRTC media</td>
<td>4</td>
<td>0.05</td>
<td>58.57</td>
<td>0.00</td>
</tr>
</tbody>
</table>
Run 1: Statistics of TCP BBR

End at: 2019-08-27 15:56:09
Local clock offset: -0.003 ms
Remote clock offset: -0.269 ms

# Below is generated by plot.py at 2019-08-27 18:45:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 488.13 Mbit/s
95th percentile per-packet one-way delay: 80.653 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 488.13 Mbit/s
95th percentile per-packet one-way delay: 80.653 ms
Loss rate: 0.41%
Run 1: Report of TCP BBR — Data Link

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**Throughput (kbps)**

- **Flow 1 ingress (mean 488.25 Mbit/s)**
- **Flow 1 egress (mean 488.13 Mbit/s)**

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

- **Flow 1 (95th percentile 80.65 ms)**
Run 2: Statistics of TCP BBR

Start at: 2019-08-27 16:29:38
End at: 2019-08-27 16:30:08
Local clock offset: 0.491 ms
Remote clock offset: 0.027 ms

# Below is generated by plot.py at 2019-08-27 18:46:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 507.39 Mbit/s
95th percentile per-packet one-way delay: 68.035 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 507.39 Mbit/s
95th percentile per-packet one-way delay: 68.035 ms
Loss rate: 0.61%
Run 2: Report of TCP BBR — Data Link
Run 3: Statistics of TCP BBR

Start at: 2019-08-27 17:03:46
End at: 2019-08-27 17:04:16
Local clock offset: -0.222 ms
Remote clock offset: -0.002 ms

# Below is generated by plot.py at 2019-08-27 18:46:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 485.33 Mbit/s
95th percentile per-packet one-way delay: 89.376 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 485.33 Mbit/s
95th percentile per-packet one-way delay: 89.376 ms
Loss rate: 0.50%
Run 3: Report of TCP BBR — Data Link

![Graph of Throughput (Mbps)]

- Flow 1 ingress (mean 485.80 Mbps)
- Flow 1 egress (mean 485.33 Mbps)

![Graph of Per-packet one way delay (ms)]

- Flow 1 (95th percentile 89.38 ms)
Run 4: Statistics of TCP BBR

Start at: 2019-08-27 17:38:09
End at: 2019-08-27 17:38:39
Local clock offset: 0.238 ms
Remote clock offset: 0.19 ms

# Below is generated by plot.py at 2019-08-27 18:46:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 453.16 Mbit/s
95th percentile per-packet one-way delay: 90.902 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 453.16 Mbit/s
95th percentile per-packet one-way delay: 90.902 ms
Loss rate: 0.30%
Run 4: Report of TCP BBR — Data Link

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

- Flow 1 ingress (mean 452.72 Mbps)
- Flow 1 egress (mean 453.16 Mbps)

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

- Flow 1 (95th percentile 90.90 ms)
Run 5: Statistics of TCP BBR

Start at: 2019-08-27 18:12:19
End at: 2019-08-27 18:12:49
Local clock offset: 0.164 ms
Remote clock offset: 0.165 ms

# Below is generated by plot.py at 2019-08-27 18:46:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 393.74 Mbit/s
95th percentile per-packet one-way delay: 89.295 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 393.74 Mbit/s
95th percentile per-packet one-way delay: 89.295 ms
Loss rate: 0.42%
Run 5: Report of TCP BBR — Data Link

![Graph showing throughput and RTT over time for TCP BBR flows.]

- **Throughput (Mbps)**: Graph showing throughput over time with two lines, one for ingress (mean 393.83 Mbps) and one for egress (mean 393.74 Mbps).
- **RTT (ms)**: Graph showing RTT over time with a line for Flow 1 (95th percentile 89.30 ms).
Run 1: Statistics of Copa

Start at: 2019-08-27 16:00:09
End at: 2019-08-27 16:00:39
Local clock offset: -0.01 ms
Remote clock offset: -0.038 ms

# Below is generated by plot.py at 2019-08-27 18:47:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 337.36 Mbit/s
95th percentile per-packet one-way delay: 60.942 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 337.36 Mbit/s
95th percentile per-packet one-way delay: 60.942 ms
Loss rate: 0.42%
Run 1: Report of Copa — Data Link

**Throughput (Mbps)**

0 5 10 15 20 25 30

- Flow 1 ingress (mean 337.47 Mbit/s)
- Flow 1 egress (mean 337.36 Mbit/s)

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

0 5 10 15 20 25 30

- Flow 1 (95th percentile 60.94 ms)
Run 2: Statistics of Copa

Start at: 2019-08-27 16:34:15
End at: 2019-08-27 16:34:45
Local clock offset: ~0.06 ms
Remote clock offset: 0.011 ms

# Below is generated by plot.py at 2019-08-27 18:47:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 333.17 Mbit/s
95th percentile per-packet one-way delay: 69.420 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 333.17 Mbit/s
95th percentile per-packet one-way delay: 69.420 ms
Loss rate: 0.40%
Run 2: Report of Copa — Data Link

[Graph showing throughput and packet per-packet delay over time]
Run 3: Statistics of Copa

Start at: 2019-08-27 17:08:24
End at: 2019-08-27 17:08:54
Local clock offset: 0.266 ms
Remote clock offset: 0.009 ms

# Below is generated by plot.py at 2019-08-27 18:47:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 305.89 Mbit/s
95th percentile per-packet one-way delay: 74.369 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 305.89 Mbit/s
95th percentile per-packet one-way delay: 74.369 ms
Loss rate: 0.41%
Run 3: Report of Copa — Data Link

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

![Graph 2: Per-packet one-way delay (ms)](image2)
Run 4: Statistics of Copa

Start at: 2019-08-27 17:42:44
End at: 2019-08-27 17:43:14
Local clock offset: 0.11 ms
Remote clock offset: 0.172 ms

# Below is generated by plot.py at 2019-08-27 18:50:51
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 245.78 Mbit/s
  95th percentile per-packet one-way delay: 62.459 ms
  Loss rate: 0.35%
-- Flow 1:
  Average throughput: 245.78 Mbit/s
  95th percentile per-packet one-way delay: 62.459 ms
  Loss rate: 0.35%
Run 4: Report of Copa — Data Link

![Graph showing throughput over time for Flow 1 ingress and egress]

![Graph showing packet loss over time for Flow 1]
Run 5: Statistics of Copa

Start at: 2019-08-27 18:16:52
End at: 2019-08-27 18:17:22
Local clock offset: 0.323 ms
Remote clock offset: 0.251 ms

# Below is generated by plot.py at 2019-08-27 18:53:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 330.99 Mbit/s
95th percentile per-packet one-way delay: 78.233 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 330.99 Mbit/s
95th percentile per-packet one-way delay: 78.233 ms
Loss rate: 0.33%
Run 1: Statistics of TCP Cubic

Start at: 2019-08-27 16:05:47
End at: 2019-08-27 16:06:17
Local clock offset: 0.004 ms
Remote clock offset: -0.043 ms

# Below is generated by plot.py at 2019-08-27 18:53:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 486.65 Mbit/s
95th percentile per-packet one-way delay: 97.426 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 486.65 Mbit/s
95th percentile per-packet one-way delay: 97.426 ms
Loss rate: 0.43%
Run 1: Report of TCP Cubic — Data Link

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

- Flow 1 ingress (mean 486.87 Mbit/s)
- Flow 1 egress (mean 486.65 Mbit/s)

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

- Flow 1 (95th percentile 97.43 ms)
Run 2: Statistics of TCP Cubic

Start at: 2019-08-27 16:39:54
End at: 2019-08-27 16:40:24
Local clock offset: -0.108 ms
Remote clock offset: -0.037 ms

# Below is generated by plot.py at 2019-08-27 18:53:54
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 446.16 Mbit/s
  95th percentile per-packet one-way delay: 62.749 ms
  Loss rate: 0.45%
-- Flow 1:
  Average throughput: 446.16 Mbit/s
  95th percentile per-packet one-way delay: 62.749 ms
  Loss rate: 0.45%
Run 2: Report of TCP Cubic — Data Link
Run 3: Statistics of TCP Cubic

Start at: 2019-08-27 17:14:02
End at: 2019-08-27 17:14:32
Local clock offset: 0.176 ms
Remote clock offset: 0.059 ms

# Below is generated by plot.py at 2019-08-27 18:53:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 491.09 Mbit/s
95th percentile per-packet one-way delay: 61.173 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 491.09 Mbit/s
95th percentile per-packet one-way delay: 61.173 ms
Loss rate: 0.21%
Run 3: Report of TCP Cubic — Data Link

![Graphs showing throughput and packet delay over time for TCP Cubic flow 1.]

- Flow 1 ingress (mean 490.17 Mbit/s)
- Flow 1 egress (mean 491.09 Mbit/s)
Run 4: Statistics of TCP Cubic

Start at: 2019-08-27 17:48:12
End at: 2019-08-27 17:48:42
Local clock offset: 0.729 ms
Remote clock offset: 0.203 ms

# Below is generated by plot.py at 2019-08-27 18:53:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 490.20 Mbit/s
95th percentile per-packet one-way delay: 64.470 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 490.20 Mbit/s
95th percentile per-packet one-way delay: 64.470 ms
Loss rate: 0.28%
Run 4: Report of TCP Cubic — Data Link

![Graph 1: Throughput (Mbps)]

- Flow 1 ingress (mean 489.62 Mbps)
- Flow 1 egress (mean 490.20 Mbps)

![Graph 2: Packet delay (ms)]

- Flow 1 (95th percentile 64.47 ms)
Run 5: Statistics of TCP Cubic

End at: 2019-08-27 18:23:06
Local clock offset: 0.7 ms
Remote clock offset: 0.27 ms

# Below is generated by plot.py at 2019-08-27 18:54:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 496.05 Mbit/s
95th percentile per-packet one-way delay: 82.518 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 496.05 Mbit/s
95th percentile per-packet one-way delay: 82.518 ms
Loss rate: 0.37%
Run 5: Report of TCP Cubic — Data Link

![Graph showing throughput over time]

- Flow 1 ingress (mean 496.11 Mbit/s)
- Flow 1 egress (mean 496.05 Mbit/s)

![Graph showing packet delay over time]

- Flow 1 (95th percentile 82.52 ms)
Run 1: Statistics of FillP

Start at: 2019-08-27 15:58:29
End at: 2019-08-27 15:58:59
Local clock offset: -0.022 ms
Remote clock offset: -0.127 ms

# Below is generated by plot.py at 2019-08-27 19:02:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 899.15 Mbit/s
95th percentile per-packet one-way delay: 81.794 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 899.15 Mbit/s
95th percentile per-packet one-way delay: 81.794 ms
Loss rate: 0.53%
Run 1: Report of FillP — Data Link

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

- **Flow 1 Ingress** (mean 900.64 Mbps)
- **Flow 1 Egress** (mean 899.15 Mbps)

![Graph 2: Per-packet one-way delay (ms)](Image)

- **Flow 1** (95th percentile 81.79 ms)
Run 2: Statistics of FillP

Start at: 2019-08-27 16:32:36
End at: 2019-08-27 16:33:06
Local clock offset: -0.344 ms
Remote clock offset: 0.077 ms

# Below is generated by plot.py at 2019-08-27 19:07:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 879.42 Mbit/s
95th percentile per-packet one-way delay: 83.246 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 879.42 Mbit/s
95th percentile per-packet one-way delay: 83.246 ms
Loss rate: 0.45%
Run 2: Report of FillP — Data Link

![Throughput Chart]

**Throughput (Mb/s)**

- **Flow 1 ingress (mean 879.89 Mb/s)**
- **Flow 1 egress (mean 879.42 Mb/s)**

![Delay Chart]

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

- **Flow 1 (95th percentile 83.25 ms)**

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Run 3: Statistics of FillP

Start at: 2019-08-27 17:06:45
End at: 2019-08-27 17:07:15
Local clock offset: 0.23 ms
Remote clock offset: -0.082 ms

# Below is generated by plot.py at 2019-08-27 19:08:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 910.66 Mbit/s
95th percentile per-packet one-way delay: 84.695 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 910.66 Mbit/s
95th percentile per-packet one-way delay: 84.695 ms
Loss rate: 0.71%
Run 3: Report of FillP — Data Link

![Graph showing throughput over time with two lines representing Flow 1 ingress and egress](image1)

- Flow 1 ingress (mean 913.56 Mbit/s)
- Flow 1 egress (mean 910.66 Mbit/s)

![Graph showing per-packet one-way delay over time](image2)

- Flow 1 (95th percentile 84.69 ms)
Run 4: Statistics of FillP

Start at: 2019-08-27 17:41:05
End at: 2019-08-27 17:41:35
Local clock offset: 0.419 ms
Remote clock offset: -0.019 ms

# Below is generated by plot.py at 2019-08-27 19:08:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 901.98 Mbit/s
95th percentile per-packet one-way delay: 93.182 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 901.98 Mbit/s
95th percentile per-packet one-way delay: 93.182 ms
Loss rate: 0.46%
Run 4: Report of FillP — Data Link

![Graph showing throughput and delay over time for two data flows.](image-url)
Run 5: Statistics of FillP

Start at: 2019-08-27 18:15:13
End at: 2019-08-27 18:15:43
Local clock offset: 0.249 ms
Remote clock offset: 0.148 ms

# Below is generated by plot.py at 2019-08-27 19:08:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 874.17 Mbit/s
95th percentile per-packet one-way delay: 89.382 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 874.17 Mbit/s
95th percentile per-packet one-way delay: 89.382 ms
Loss rate: 1.02%
Run 5: Report of FillP — Data Link

![Graph showing throughput and delay over time]

- **Flow 1 Ingress** (mean 879.68 Mbit/s)
- **Flow 1 Egress** (mean 874.17 Mbit/s)

![Graph showing per socket one-way delay over time]

- **Flow 1 (95th percentile 89.38 ms)**
Run 1: Statistics of FillP-Sheep

Start at: 2019-08-27 15:54:00
End at: 2019-08-27 15:54:31
Local clock offset: -0.304 ms
Remote clock offset: -0.203 ms

# Below is generated by plot.py at 2019-08-27 19:09:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 884.09 Mbit/s
95th percentile per-packet one-way delay: 79.247 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 884.09 Mbit/s
95th percentile per-packet one-way delay: 79.247 ms
Loss rate: 0.41%
Run 1: Report of FillP-Sheep — Data Link

![Graph showing throughput over time with two traces: one for Flow 1 ingress (mean 884.33 Mbit/s) and one for Flow 1 egress (mean 884.09 Mbit/s).]

![Graph showing per-packet one-way delay over time with a trace for Flow 1 (95th percentile 79.25 ms).]
Run 2: Statistics of FillP-Sheep

Start at: 2019-08-27 16:28:02
End at: 2019-08-27 16:28:32
Local clock offset: 0.099 ms
Remote clock offset: 0.02 ms

# Below is generated by plot.py at 2019-08-27 19:09:06
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 823.29 Mbit/s
  95th percentile per-packet one-way delay: 76.079 ms
  Loss rate: 0.53%
-- Flow 1:
  Average throughput: 823.29 Mbit/s
  95th percentile per-packet one-way delay: 76.079 ms
  Loss rate: 0.53%
Run 2: Report of FillP-Sheep — Data Link

![Graph showing network throughput over time for Flow 1 ingress and egress with mean values and 95th percentile delay for Flow 1.]
Run 3: Statistics of FillP-Sheep

Start at: 2019-08-27 17:02:08
End at: 2019-08-27 17:02:38
Local clock offset: 0.362 ms
Remote clock offset: -0.027 ms

# Below is generated by plot.py at 2019-08-27 19:09:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 866.23 Mbit/s
95th percentile per-packet one-way delay: 92.372 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 866.23 Mbit/s
95th percentile per-packet one-way delay: 92.372 ms
Loss rate: 0.41%
Run 3: Report of FillP-Sheep — Data Link
Run 4: Statistics of FillP-Sheep

Start at: 2019-08-27 17:36:33
End at: 2019-08-27 17:37:03
Local clock offset: -0.086 ms
Remote clock offset: 0.093 ms

# Below is generated by plot.py at 2019-08-27 19:19:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 839.58 Mbit/s
95th percentile per-packet one-way delay: 104.163 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 839.58 Mbit/s
95th percentile per-packet one-way delay: 104.163 ms
Loss rate: 0.79%
Run 4: Report of FillP-Sheep — Data Link
Run 5: Statistics of FillP-Sheep

Start at: 2019-08-27 18:10:41
End at: 2019-08-27 18:11:11
Local clock offset: 0.645 ms
Remote clock offset: -0.149 ms

# Below is generated by plot.py at 2019-08-27 19:21:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 829.26 Mbit/s
95th percentile per-packet one-way delay: 93.295 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 829.26 Mbit/s
95th percentile per-packet one-way delay: 93.295 ms
Loss rate: 0.51%
Run 5: Report of FillP-Sheep — Data Link

![Graph showing throughput and delay over time for data link flow 1 with ingress and egress statistics.](image-url)
Run 1: Statistics of Indigo

Start at: 2019-08-27 16:03:15
End at: 2019-08-27 16:03:45
Local clock offset: -0.065 ms
Remote clock offset: -0.08 ms

# Below is generated by plot.py at 2019-08-27 19:21:26
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 206.08 Mbit/s
  95th percentile per-packet one-way delay: 60.374 ms
  Loss rate: 0.48%
-- Flow 1:
  Average throughput: 206.08 Mbit/s
  95th percentile per-packet one-way delay: 60.374 ms
  Loss rate: 0.48%
Run 1: Report of Indigo — Data Link
Run 2: Statistics of Indigo

Start at: 2019-08-27 16:37:22
End at: 2019-08-27 16:37:52
Local clock offset: -0.184 ms
Remote clock offset: -0.105 ms

# Below is generated by plot.py at 2019-08-27 19:21:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 196.21 Mbit/s
95th percentile per-packet one-way delay: 57.340 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 196.21 Mbit/s
95th percentile per-packet one-way delay: 57.340 ms
Loss rate: 0.47%
Run 2: Report of Indigo — Data Link

![Graph showing throughput and packet error rate over time]

- **Flow 1 ingress (mean 196.36 Mbit/s)**
- **Flow 1 egress (mean 196.21 Mbit/s)**

![Graph showing packet error rate over time]

- **Flow 1 (95th percentile 57.34 ms)**
Run 3: Statistics of Indigo

Start at: 2019-08-27 17:11:31
End at: 2019-08-27 17:12:01
Local clock offset: 0.694 ms
Remote clock offset: -0.107 ms

# Below is generated by plot.py at 2019-08-27 19:21:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 195.44 Mbit/s
95th percentile per-packet one-way delay: 57.847 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 195.44 Mbit/s
95th percentile per-packet one-way delay: 57.847 ms
Loss rate: 0.45%
Run 3: Report of Indigo — Data Link
Run 4: Statistics of Indigo

Start at: 2019-08-27 17:45:39
End at: 2019-08-27 17:46:09
Local clock offset: 0.508 ms
Remote clock offset: 0.291 ms

# Below is generated by plot.py at 2019-08-27 19:21:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 217.81 Mbit/s
95th percentile per-packet one-way delay: 57.126 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 217.81 Mbit/s
95th percentile per-packet one-way delay: 57.126 ms
Loss rate: 0.40%
Run 4: Report of Indigo — Data Link
Run 5: Statistics of Indigo

Start at: 2019-08-27 18:20:03
End at: 2019-08-27 18:20:33
Local clock offset: 0.677 ms
Remote clock offset: 0.145 ms

# Below is generated by plot.py at 2019-08-27 19:21:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 219.23 Mbit/s
95th percentile per-packet one-way delay: 58.052 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 219.23 Mbit/s
95th percentile per-packet one-way delay: 58.052 ms
Loss rate: 0.41%
Run 5: Report of Indigo — Data Link
Run 1: Statistics of Indigo-MusesC3

Start at: 2019-08-27 15:41:28
End at: 2019-08-27 15:41:58
Local clock offset: -0.115 ms
Remote clock offset: -0.399 ms

# Below is generated by plot.py at 2019-08-27 19:21:26
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 522.15 Mbit/s
  95th percentile per-packet one-way delay: 66.118 ms
  Loss rate: 0.42%
-- Flow 1:
  Average throughput: 522.15 Mbit/s
  95th percentile per-packet one-way delay: 66.118 ms
  Loss rate: 0.42%
Run 1: Report of Indigo-MusesC3 — Data Link

[Graph showing throughput and packet delay]

Flow 1 ingress (mean 522.21 Mbit/s)  Flow 1 egress (mean 522.15 Mbit/s)
Run 2: Statistics of Indigo-MusesC3

Start at: 2019-08-27 16:15:36
End at: 2019-08-27 16:16:06
Local clock offset: ~0.156 ms
Remote clock offset: 0.011 ms

# Below is generated by plot.py at 2019-08-27 19:21:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 555.87 Mbit/s
95th percentile per-packet one-way delay: 63.581 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 555.87 Mbit/s
95th percentile per-packet one-way delay: 63.581 ms
Loss rate: 0.47%
Run 2: Report of Indigo-MusesC3 — Data Link

![Graph of throughput and packet delay over time]

Legend:
- Flow 1 ingress (mean 556.12 Mbit/s)
- Flow 1 egress (mean 555.87 Mbit/s)

Packet delay (ms):
- Flow 1 (95th percentile 63.58 ms)
Run 3: Statistics of Indigo-MusesC3

Start at: 2019-08-27 16:49:40
End at: 2019-08-27 16:50:10
Local clock offset: 0.334 ms
Remote clock offset: -0.889 ms

# Below is generated by plot.py at 2019-08-27 19:21:26
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 548.23 Mbit/s
  95th percentile per-packet one-way delay: 67.488 ms
  Loss rate: 0.52%
-- Flow 1:
  Average throughput: 548.23 Mbit/s
  95th percentile per-packet one-way delay: 67.488 ms
  Loss rate: 0.52%
Run 3: Report of Indigo-MusesC3 — Data Link

[Graph showing throughput and delay over time for Flow 1 ingress and egress.]
Run 4: Statistics of Indigo-MusesC3

Start at: 2019-08-27 17:23:49
End at: 2019-08-27 17:24:19
Local clock offset: 0.006 ms
Remote clock offset: 0.076 ms

# Below is generated by plot.py at 2019-08-27 19:21:34
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 563.28 Mbit/s
  95th percentile per-packet one-way delay: 68.104 ms
  Loss rate: 0.49%
-- Flow 1:
  Average throughput: 563.28 Mbit/s
  95th percentile per-packet one-way delay: 68.104 ms
  Loss rate: 0.49%
Run 4: Report of Indigo-MusesC3 — Data Link
Run 5: Statistics of Indigo-MusesC3

Start at: 2019-08-27 17:58:02
End at: 2019-08-27 17:58:32
Local clock offset: -0.113 ms
Remote clock offset: 0.254 ms

# Below is generated by plot.py at 2019-08-27 19:22:08
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 569.49 Mbit/s
  95th percentile per-packet one-way delay: 60.877 ms
  Loss rate: 0.40%
-- Flow 1:
  Average throughput: 569.49 Mbit/s
  95th percentile per-packet one-way delay: 60.877 ms
  Loss rate: 0.40%
Run 5: Report of Indigo-MusesC3 — Data Link

![Graph 1: Throughput (Mbps) vs Time (s)]

- **Flow 1 ingress (mean 569.44 Mbit/s)**
- **Flow 1 egress (mean 569.49 Mbit/s)**

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

- **Flow 1 (95th percentile 60.88 ms)**
Run 1: Statistics of Indigo-MusesC5

Start at: 2019-08-27 16:08:26
End at: 2019-08-27 16:08:56
Local clock offset: 0.21 ms
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2019-08-27 19:23:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 563.75 Mbit/s
95th percentile per-packet one-way delay: 99.577 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 563.75 Mbit/s
95th percentile per-packet one-way delay: 99.577 ms
Loss rate: 0.44%
Run 1: Report of Indigo-MusesC5 — Data Link

![Graph 1: Throughput (Mbps) over time (s). Legend: Flow 1 ingress (mean 563.90 Mbit/s), Flow 1 egress (mean 563.75 Mbit/s).]

![Graph 2: Per packet one way delay (ms) over time (s). Legend: Flow 1 (95th percentile 99.58 ms).]

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Run 2: Statistics of Indigo-MusesC5

Start at: 2019-08-27 16:42:31
End at: 2019-08-27 16:43:01
Local clock offset: 0.097 ms
Remote clock offset: 0.022 ms

# Below is generated by plot.py at 2019-08-27 19:25:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 595.63 Mbit/s
95th percentile per-packet one-way delay: 84.537 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 595.63 Mbit/s
95th percentile per-packet one-way delay: 84.537 ms
Loss rate: 0.49%
Run 2: Report of Indigo-MusesC5 — Data Link
Run 3: Statistics of Indigo-MusesC5

Start at: 2019-08-27 17:16:41
End at: 2019-08-27 17:17:11
Local clock offset: -0.14 ms
Remote clock offset: 0.168 ms

# Below is generated by plot.py at 2019-08-27 19:27:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 581.82 Mbit/s
95th percentile per-packet one-way delay: 98.069 ms
Loss rate: 0.49%

-- Flow 1:
Average throughput: 581.82 Mbit/s
95th percentile per-packet one-way delay: 98.069 ms
Loss rate: 0.49%
Run 3: Report of Indigo-MusesC5 — Data Link

![Graph showing throughput and packet delay over time]

Legend:
- Dashed line: Flow 1 ingress (mean 582.21 Mbit/s)
- Solid line: Flow 1 egress (mean 581.82 Mbit/s)

![Graph showing packet delay distribution]

Legend:
- Flow 1 (95th percentile 98.07 ms)
Run 4: Statistics of Indigo-MusesC5

Start at: 2019-08-27 17:50:51
End at: 2019-08-27 17:51:21
Local clock offset: 0.251 ms
Remote clock offset: 0.133 ms

# Below is generated by plot.py at 2019-08-27 19:29:16
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 579.99 Mbit/s
  95th percentile per-packet one-way delay: 91.527 ms
  Loss rate: 0.47%
-- Flow 1:
  Average throughput: 579.99 Mbit/s
  95th percentile per-packet one-way delay: 91.527 ms
  Loss rate: 0.47%
Run 4: Report of Indigo-MusesC5 — Data Link

- **Throughput (Mbps)**
  - Flow 1 ingress (mean 580.28 Mbps) vs. Flow 1 egress (mean 579.99 Mbps)

- **Per-packet end-to-end delay (ms)**
  - Flow 1 (95th percentile 91.53 ms)
Run 5: Statistics of Indigo-MusesC5

Start at: 2019-08-27 18:25:17
End at: 2019-08-27 18:25:47
Local clock offset: -0.018 ms
Remote clock offset: 0.191 ms

# Below is generated by plot.py at 2019-08-27 19:29:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 588.58 Mbit/s
95th percentile per-packet one-way delay: 71.092 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 588.58 Mbit/s
95th percentile per-packet one-way delay: 71.092 ms
Loss rate: 0.53%
Run 5: Report of Indigo-MusesC5 — Data Link

![Graph 1: Throughput (MB/s)](image1)

- **Flow 1 ingress (mean 589.30 Mbit/s)**
- **Flow 1 egress (mean 588.58 Mbit/s)**

![Graph 2: End-to-end delay (ms)](image2)

- **Flow 1 (95th percentile 71.09 ms)**
Run 1: Statistics of Indigo-MusesD

End at: 2019-08-27 15:48:50
Local clock offset: -0.046 ms
Remote clock offset: -0.429 ms

# Below is generated by plot.py at 2019-08-27 19:29:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 469.63 Mbit/s
95th percentile per-packet one-way delay: 62.491 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 469.63 Mbit/s
95th percentile per-packet one-way delay: 62.491 ms
Loss rate: 0.42%
Run 1: Report of Indigo-MusesD — Data Link

![Throughput Graph](chart1)

- Flow 1 ingress (mean 469.61 Mbit/s)
- Flow 1 egress (mean 469.63 Mbit/s)

![Per Packet Delay Graph](chart2)

- Flow 1 (95th percentile 62.49 ms)
Run 2: Statistics of Indigo-MusesD

End at: 2019-08-27 16:23:01
Local clock offset: -0.097 ms
Remote clock offset: -0.046 ms

# Below is generated by plot.py at 2019-08-27 19:29:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 126.72 Mbit/s
95th percentile per-packet one-way delay: 57.092 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 126.72 Mbit/s
95th percentile per-packet one-way delay: 57.092 ms
Loss rate: 0.44%
Run 2: Report of Indigo-MusesD — Data Link

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**Graph 1:**
- **Y-axis:** Throughput (Mbps)
- **X-axis:** Time (s)
- **Legend:**
  - Flow 1 ingress (mean 126.76 Mbit/s)
  - Flow 1 egress (mean 126.72 Mbit/s)

**Graph 2:**
- **Y-axis:** Per-packet one-way delay (ms)
- **X-axis:** Time (s)
- **Legend:** Flow 1 (95th percentile 57.09 ms)
Run 3: Statistics of Indigo-MusesD

Start at: 2019-08-27 16:56:29  
End at: 2019-08-27 16:56:59  
Local clock offset: 0.43 ms  
Remote clock offset: -0.015 ms

# Below is generated by plot.py at 2019-08-27 19:29:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 444.31 Mbit/s
95th percentile per-packet one-way delay: 68.138 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 444.31 Mbit/s
95th percentile per-packet one-way delay: 68.138 ms
Loss rate: 0.40%
Run 3: Report of Indigo-MusesD — Data Link

Diagram 1: Throughput over Time

Diagram 2: Per-packet one-way delay over Time
Run 4: Statistics of Indigo-MusesD

Start at: 2019-08-27 17:30:48
End at: 2019-08-27 17:31:18
Local clock offset: 0.503 ms
Remote clock offset: -0.299 ms

# Below is generated by plot.py at 2019-08-27 19:30:02
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 500.78 Mbit/s
  95th percentile per-packet one-way delay: 60.432 ms
  Loss rate: 0.35%
-- Flow 1:
  Average throughput: 500.78 Mbit/s
  95th percentile per-packet one-way delay: 60.432 ms
  Loss rate: 0.35%
Run 4: Report of Indigo-MusesD — Data Link
Run 5: Statistics of Indigo-MusesD

Start at: 2019-08-27 18:04:54
End at: 2019-08-27 18:05:24
Local clock offset: 0.312 ms
Remote clock offset: -0.078 ms

# Below is generated by plot.py at 2019-08-27 19:30:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 477.74 Mbit/s
95th percentile per-packet one-way delay: 73.151 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 477.74 Mbit/s
95th percentile per-packet one-way delay: 73.151 ms
Loss rate: 0.40%
Run 1: Statistics of Indigo-MusesT

Start at: 2019-08-27 15:52:29
End at: 2019-08-27 15:52:59
Local clock offset: -0.231 ms
Remote clock offset: -0.258 ms

# Below is generated by plot.py at 2019-08-27 19:34:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 613.41 Mbit/s
95th percentile per-packet one-way delay: 102.066 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 613.41 Mbit/s
95th percentile per-packet one-way delay: 102.066 ms
Loss rate: 0.46%
Run 1: Report of Indigo-MusesT — Data Link

![Graph 1: Throughput Over Time](image)
- **Flow 1 ingress (mean 613.63 Mbit/s)**
- **Flow 1 egress (mean 613.41 Mbit/s)**

![Graph 2: Packet Delay](image)
- **Flow 1 (95th percentile 102.07 ms)**

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Run 2: Statistics of Indigo-MusesT

Start at: 2019-08-27 16:26:30
End at: 2019-08-27 16:27:00
Local clock offset: 0.51 ms
Remote clock offset: 0.129 ms

# Below is generated by plot.py at 2019-08-27 19:35:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 606.01 Mbit/s
95th percentile per-packet one-way delay: 113.079 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 606.01 Mbit/s
95th percentile per-packet one-way delay: 113.079 ms
Loss rate: 0.47%
Run 2: Report of Indigo-MusesT — Data Link
Run 3: Statistics of Indigo-MusesT

Start at: 2019-08-27 17:00:36
End at: 2019-08-27 17:01:06
Local clock offset: 0.544 ms
Remote clock offset: -0.016 ms

# Below is generated by plot.py at 2019-08-27 19:35:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 617.26 Mbit/s
95th percentile per-packet one-way delay: 88.197 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 617.26 Mbit/s
95th percentile per-packet one-way delay: 88.197 ms
Loss rate: 0.43%
Run 3: Report of Indigo-MusesT — Data Link

![Graph 1](image1.png)

![Graph 2](image2.png)
Run 4: Statistics of Indigo-MusesT

Start at: 2019-08-27 17:35:01
End at: 2019-08-27 17:35:31
Local clock offset: 0.286 ms
Remote clock offset: 0.158 ms

# Below is generated by plot.py at 2019-08-27 19:36:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 599.29 Mbit/s
95th percentile per-packet one-way delay: 104.491 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 599.29 Mbit/s
95th percentile per-packet one-way delay: 104.491 ms
Loss rate: 0.49%
Run 5: Statistics of Indigo-MusesT

Start at: 2019-08-27 18:09:08
End at: 2019-08-27 18:09:38
Local clock offset: 0.294 ms
Remote clock offset: -0.614 ms

# Below is generated by plot.py at 2019-08-27 19:37:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 605.14 Mbit/s
95th percentile per-packet one-way delay: 119.077 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 605.14 Mbit/s
95th percentile per-packet one-way delay: 119.077 ms
Loss rate: 0.43%
Run 5: Report of Indigo-MusesT — Data Link

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

- Flow 1 ingress (mean 605.11 Mbps)
- Flow 1 egress (mean 605.14 Mbps)

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

- Flow 1 (95th percentile 119.08 ms)
Run 1: Statistics of LEDBAT

Start at: 2019-08-27 16:07:16
End at: 2019-08-27 16:07:46
Local clock offset: 0.193 ms
Remote clock offset: -0.072 ms

# Below is generated by plot.py at 2019-08-27 19:37:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 28.48 Mbit/s
95th percentile per-packet one-way delay: 57.531 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 28.48 Mbit/s
95th percentile per-packet one-way delay: 57.531 ms
Loss rate: 0.76%
Run 1: Report of LEDBAT — Data Link

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

- Flow 1 ingress (mean 28.59 Mbps)
- Flow 1 egress (mean 28.48 Mbps)

![Graph 2: Round-trip delay vs. Time (ms)](image2)

- Flow 1 (95th percentile 57.53 ms)
Run 2: Statistics of LEDBAT

Start at: 2019-08-27 16:41:21
End at: 2019-08-27 16:41:51
Local clock offset: 0.338 ms
Remote clock offset: 0.048 ms

# Below is generated by plot.py at 2019-08-27 19:37:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.30 Mbit/s
95th percentile per-packet one-way delay: 57.685 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 22.30 Mbit/s
95th percentile per-packet one-way delay: 57.685 ms
Loss rate: 0.64%
Run 2: Report of LEDBAT — Data Link
Run 3: Statistics of LEDBAT

Start at: 2019-08-27 17:15:31
End at: 2019-08-27 17:16:01
Local clock offset: 0.324 ms
Remote clock offset: 0.122 ms

# Below is generated by plot.py at 2019-08-27 19:37:51
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 26.65 Mbit/s
  95th percentile per-packet one-way delay: 57.749 ms
  Loss rate: 0.78%
-- Flow 1:
  Average throughput: 26.65 Mbit/s
  95th percentile per-packet one-way delay: 57.749 ms
  Loss rate: 0.78%
Run 3: Report of LEDBAT — Data Link
Run 4: Statistics of LEDBAT

Start at: 2019-08-27 17:49:42
End at: 2019-08-27 17:50:12
Local clock offset: 0.294 ms
Remote clock offset: 0.136 ms

# Below is generated by plot.py at 2019-08-27 19:37:51
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 12.64 Mbit/s
  95th percentile per-packet one-way delay: 57.460 ms
  Loss rate: 0.34%
-- Flow 1:
  Average throughput: 12.64 Mbit/s
  95th percentile per-packet one-way delay: 57.460 ms
  Loss rate: 0.34%
Run 4: Report of LEDBAT — Data Link

![Graph showing throughput over time with two lines for ingress and egress data.]
Run 5: Statistics of LEDBAT

Start at: 2019-08-27 18:24:06
End at: 2019-08-27 18:24:36
Local clock offset: 0.567 ms
Remote clock offset: 0.183 ms

# Below is generated by plot.py at 2019-08-27 19:37:51
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 28.22 Mbit/s
  95th percentile per-packet one-way delay: 57.971 ms
  Loss rate: 0.76%
-- Flow 1:
  Average throughput: 28.22 Mbit/s
  95th percentile per-packet one-way delay: 57.971 ms
  Loss rate: 0.76%
Run 5: Report of LEDBAT — Data Link
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-08-27 15:35:51
End at: 2019-08-27 15:36:21
Local clock offset: 0.068 ms
Remote clock offset: -0.427 ms

# Below is generated by plot.py at 2019-08-27 19:38:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 553.11 Mbit/s
95th percentile per-packet one-way delay: 73.194 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 553.11 Mbit/s
95th percentile per-packet one-way delay: 73.194 ms
Loss rate: 0.41%
Run 1: Report of Muses: DecisionTree — Data Link

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

- **Flow 1 ingress (mean 553.24 Mbit/s)**
- **Flow 1 egress (mean 553.11 Mbit/s)**

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

- **Flow 1 (95th percentile 73.19 ms)**
Run 2: Statistics of Muses\_DecisionTree

Start at: 2019-08-27 16:09:56
End at: 2019-08-27 16:10:26
Local clock offset: 0.45 ms
Remote clock offset: -0.017 ms

# Below is generated by plot.py at 2019-08-27 19:39:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 594.58 Mbit/s
95th percentile per-packet one-way delay: 72.212 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 594.58 Mbit/s
95th percentile per-packet one-way delay: 72.212 ms
Loss rate: 0.42%
Run 2: Report of Muses_DecisionTree — Data Link

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

- **Flow 1 ingress (mean 594.53 Mbit/s)**
- **Flow 1 egress (mean 594.58 Mbit/s)**

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

- **Flow 1 (95th percentile 72.21 ms)**
Run 3: Statistics of Muses\_DecisionTree

Start at: 2019-08-27 16:44:03
End at: 2019-08-27 16:44:33
Local clock offset: 0.091 ms
Remote clock offset: -0.236 ms

# Below is generated by plot.py at 2019-08-27 19:39:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 565.91 Mbit/s
95th percentile per-packet one-way delay: 76.220 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 565.91 Mbit/s
95th percentile per-packet one-way delay: 76.220 ms
Loss rate: 0.47%
Run 3: Report of Muses_DecisionTree — Data Link

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

**Throughput Over Time**

- **Flow 1 ingress (mean 566.31 Mbit/s)**
- **Flow 1 egress (mean 565.91 Mbit/s)**

![Graph 2: Latency Over Time](image2)

**Latency Over Time**

- **Flow 1 (95th percentile 76.22 ms)**
Run 4: Statistics of Muses\_DecisionTree

Start at: 2019-08-27 17:18:11
End at: 2019-08-27 17:18:41
Local clock offset: 0.063 ms
Remote clock offset: 0.384 ms

# Below is generated by plot.py at 2019-08-27 19:43:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 587.45 Mbit/s
95th percentile per-packet one-way delay: 77.135 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 587.45 Mbit/s
95th percentile per-packet one-way delay: 77.135 ms
Loss rate: 0.44%
Run 4: Report of Muses_DecisionTree — Data Link

Graph 1: Throughput (Mbps)

Graph 2: Per-packet round-trip delay (ms)
Run 5: Statistics of Muses\_DecisionTree

Start at: 2019-08-27 17:52:22
End at: 2019-08-27 17:52:52
Local clock offset: 0.098 ms
Remote clock offset: -0.511 ms

# Below is generated by plot.py at 2019-08-27 19:44:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 588.88 Mbit/s
95th percentile per-packet one-way delay: 78.231 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 588.88 Mbit/s
95th percentile per-packet one-way delay: 78.231 ms
Loss rate: 0.43%
Run 5: Report of Muses_DecisionTree — Data Link

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

- **Throughput (Mbps)**
  - Flow 1 ingress (mean 589.69 Mbps)
  - Flow 1 egress (mean 588.88 Mbps)

- **Packet Delay (ms)**
  - Flow 1 (95th percentile 78.23 ms)
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-08-27 15:45:45
End at: 2019-08-27 15:46:15
Local clock offset: 0.218 ms
Remote clock offset: -0.613 ms

# Below is generated by plot.py at 2019-08-27 19:44:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 426.95 Mbit/s
95th percentile per-packet one-way delay: 119.156 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 426.95 Mbit/s
95th percentile per-packet one-way delay: 119.156 ms
Loss rate: 0.25%
Run 1: Report of Muses_DecisionTreeH0 — Data Link

![Graph 1: Throughput Graph](image1)

- **Flow 1 ingress (mean 426.31 Mbit/s)**
- **Flow 1 egress (mean 426.95 Mbit/s)**

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

- **Flow 1 (95th percentile 119.16 ms)**
Run 2: Statistics of Muses\_DecisionTreeH0

Start at: 2019-08-27 16:19:56
End at: 2019-08-27 16:20:26
Local clock offset: 0.107 ms
Remote clock offset: 0.057 ms

# Below is generated by plot.py at 2019-08-27 19:44:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 427.05 Mbit/s
95th percentile per-packet one-way delay: 110.818 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 427.05 Mbit/s
95th percentile per-packet one-way delay: 110.818 ms
Loss rate: 0.39%
Run 2: Report of Muses_DecisionTreeH0 — Data Link

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

- **Flow 1 ingress (mean 428.21 Mbit/s)**
- **Flow 1 egress (mean 427.05 Mbit/s)**

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

- **Flow 1 (95th percentile 110.82 ms)**

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Run 3: Statistics of Muses\_DecisionTreeH0

Start at: 2019-08-27 16:53:58
End at: 2019-08-27 16:54:28
Local clock offset: 0.154 ms
Remote clock offset: -0.69 ms

# Below is generated by plot.py at 2019-08-27 19:44:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 339.79 Mbit/s
95th percentile per-packet one-way delay: 124.115 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 339.79 Mbit/s
95th percentile per-packet one-way delay: 124.115 ms
Loss rate: 0.47%
Run 3: Report of Muses_DecisionTreeH0 — Data Link

![Graph showing throughput and packet delay over time for Flow 1. The graph illustrates fluctuating throughput and varying packet delay, with peak throughput around 400 Mbit/s and delays ranging from 60 to 160 ms.](image-url)
Run 4: Statistics of Muses\_DecisionTreeH0

Start at: 2019-08-27 17:28:14
End at: 2019-08-27 17:28:44
Local clock offset: -0.165 ms
Remote clock offset: -0.567 ms

# Below is generated by plot.py at 2019-08-27 19:44:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 405.77 Mbit/s
95th percentile per-packet one-way delay: 112.788 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 405.77 Mbit/s
95th percentile per-packet one-way delay: 112.788 ms
Loss rate: 0.94%

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Run 5: Statistics of Muses\_DecisionTreeH0

Start at: 2019-08-27 18:02:21
End at: 2019-08-27 18:02:51
Local clock offset: 0.327 ms
Remote clock offset: 0.045 ms

# Below is generated by plot.py at 2019-08-27 19:45:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 391.90 Mbit/s
95th percentile per-packet one-way delay: 115.256 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 391.90 Mbit/s
95th percentile per-packet one-way delay: 115.256 ms
Loss rate: 0.04%
Run 5: Report of Muses

DecisionTreeH0 — Data Link

![Graph showing throughput and latency over time for Flow 1.]

Throughput (Mbps)

Time (s)

Flow 1 ingress (mean 389.25 Mbit/s)  Flow 1 egress (mean 391.95 Mbit/s)

Per packet one way delay (ms)

Time (s)

Flow 1 (95th percentile 115.26 ms)
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-08-27 15:39:56
End at: 2019-08-27 15:40:26
Local clock offset: -0.119 ms
Remote clock offset: -0.426 ms

# Below is generated by plot.py at 2019-08-27 19:47:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 580.95 Mbit/s
95th percentile per-packet one-way delay: 62.839 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 580.95 Mbit/s
95th percentile per-packet one-way delay: 62.839 ms
Loss rate: 0.41%
Run 1: Report of Muses_DecisionTreeR0 — Data Link

![Graph of Throughput](image1)

![Graph of Ping Delay](image2)
Run 2: Statistics of Muses\_DecisionTreeR0

Start at: 2019-08-27 16:14:03
End at: 2019-08-27 16:14:33
Local clock offset: 0.281 ms
Remote clock offset: -0.133 ms

# Below is generated by plot.py at 2019-08-27 19:50:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 595.90 Mbit/s
95th percentile per-packet one-way delay: 60.425 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 595.90 Mbit/s
95th percentile per-packet one-way delay: 60.425 ms
Loss rate: 0.42%
Run 2: Report of Muses_DecisionTreeR0 — Data Link

Throughput (Mbps)

Time (s)

Flow 1 ingress (mean 596.07 Mbit/s)  Flow 1 egress (mean 595.90 Mbit/s)

Pre-packet one way delay (ms)

Time (s)

Flow 1 (95th percentile 60.42 ms)
Run 3: Statistics of Muses\_DecisionTreeR0

Start at: 2019-08-27 16:48:08
End at: 2019-08-27 16:48:38
Local clock offset: 0.131 ms
Remote clock offset: 0.033 ms

# Below is generated by plot.py at 2019-08-27 19:50:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 590.99 Mbit/s
95th percentile per-packet one-way delay: 68.429 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 590.99 Mbit/s
95th percentile per-packet one-way delay: 68.429 ms
Loss rate: 0.26%
Run 3: Report of Muses_DecisionTreeR0 — Data Link

[Graph of throughput vs. time with two lines indicating different data flows.]

[Graph showing packet delay vs. time with one line indicating a delay percentile.]
Run 4: Statistics of Muses\_DecisionTreeR0

Start at: 2019-08-27 17:22:17
End at: 2019-08-27 17:22:47
Local clock offset: 0.703 ms
Remote clock offset: 0.137 ms

# Below is generated by plot.py at 2019-08-27 19:51:02
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 597.30 Mbit/s
  95th percentile per-packet one-way delay: 69.261 ms
  Loss rate: 0.39%
-- Flow 1:
  Average throughput: 597.30 Mbit/s
  95th percentile per-packet one-way delay: 69.261 ms
  Loss rate: 0.39%
Run 4: Report of Muses DecisionTreeR0 — Data Link

[Graph showing network traffic over time with two lines indicating ingress and egress traffic.]
Run 5: Statistics of Muses\_DecisionTreeR0

Start at: 2019-08-27 17:56:29
End at: 2019-08-27 17:56:59
Local clock offset: 0.162 ms
Remote clock offset: 0.287 ms

# Below is generated by plot.py at 2019-08-27 19:51:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 581.74 Mbit/s
95th percentile per-packet one-way delay: 88.011 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 581.74 Mbit/s
95th percentile per-packet one-way delay: 88.011 ms
Loss rate: 0.38%
Run 1: Statistics of PCC-Allegro

Start at: 2019-08-27 15:49:46
End at: 2019-08-27 15:50:16
Local clock offset: 0.02 ms
Remote clock offset: -0.471 ms

# Below is generated by plot.py at 2019-08-27 19:55:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 428.87 Mbit/s
95th percentile per-packet one-way delay: 173.696 ms
Loss rate: 3.19%
-- Flow 1:
Average throughput: 428.87 Mbit/s
95th percentile per-packet one-way delay: 173.696 ms
Loss rate: 3.19%
Run 1: Report of PCC-Allegro — Data Link
Run 2: Statistics of PCC-Allegro

Start at: 2019-08-27 16:23:44
End at: 2019-08-27 16:24:14
Local clock offset: 0.195 ms
Remote clock offset: 0.02 ms

# Below is generated by plot.py at 2019-08-27 19:58:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 471.64 Mbit/s
95th percentile per-packet one-way delay: 166.195 ms
Loss rate: 3.54%
-- Flow 1:
Average throughput: 471.64 Mbit/s
95th percentile per-packet one-way delay: 166.195 ms
Loss rate: 3.54%
Run 2: Report of PCC-Allegro — Data Link

![Graph showing throughput and round-trip time over time]

- Flow 1 ingress (mean 487.68 Mbit/s)
- Flow 1 egress (mean 471.64 Mbit/s)

![Graph showing packet loss and round-trip time over time]

- Flow 1 (95th percentile 166.19 ms)
Run 3: Statistics of PCC-Allegro

Start at: 2019-08-27 16:57:55
End at: 2019-08-27 16:58:25
Local clock offset: -0.259 ms
Remote clock offset: -0.077 ms

# Below is generated by plot.py at 2019-08-27 19:58:14
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 401.94 Mbit/s
  95th percentile per-packet one-way delay: 112.886 ms
  Loss rate: 0.45%
-- Flow 1:
  Average throughput: 401.94 Mbit/s
  95th percentile per-packet one-way delay: 112.886 ms
  Loss rate: 0.45%
Run 3: Report of PCC-Allegro — Data Link

![Graph showing throughput and per packet one-way delay over time.]
Run 4: Statistics of PCC-Allegro

Start at: 2019-08-27 17:32:16
End at: 2019-08-27 17:32:46
Local clock offset: 0.163 ms
Remote clock offset: 0.328 ms

# Below is generated by plot.py at 2019-08-27 20:01:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 460.01 Mbit/s
95th percentile per-packet one-way delay: 165.788 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 460.01 Mbit/s
95th percentile per-packet one-way delay: 165.788 ms
Loss rate: 1.51%
Run 5: Statistics of PCC-Allegro

Start at: 2019-08-27 18:06:22
End at: 2019-08-27 18:06:52
Local clock offset: 0.347 ms
Remote clock offset: 0.069 ms

# Below is generated by plot.py at 2019-08-27 20:04:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 483.66 Mbit/s
95th percentile per-packet one-way delay: 156.873 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 483.66 Mbit/s
95th percentile per-packet one-way delay: 156.873 ms
Loss rate: 0.90%
Run 5: Report of PCC-Allegro — Data Link
Run 1: Statistics of PCC-Expr

Start at: 2019-08-27 16:01:43
End at: 2019-08-27 16:02:13
Local clock offset: +0.034 ms
Remote clock offset: -1.518 ms

# Below is generated by plot.py at 2019-08-27 20:04:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 332.89 Mbit/s
95th percentile per-packet one-way delay: 146.061 ms
Loss rate: 1.66%
-- Flow 1:
Average throughput: 332.89 Mbit/s
95th percentile per-packet one-way delay: 146.061 ms
Loss rate: 1.66%
Run 1: Report of PCC-Expr — Data Link

![Graph showing throughput (Mbps) over time (s)]

- **Flow 1 ingress** (mean 3.3719 Mbit/s)
- **Flow 1 egress** (mean 3.3209 Mbit/s)

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

- **Flow 1** (95th percentile 146.06 ms)
Run 2: Statistics of PCC-Expr

Start at: 2019-08-27 16:35:48
End at: 2019-08-27 16:36:18
Local clock offset: 0.38 ms
Remote clock offset: -0.373 ms

# Below is generated by plot.py at 2019-08-27 20:04:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 332.55 Mbit/s
95th percentile per-packet one-way delay: 93.394 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 332.55 Mbit/s
95th percentile per-packet one-way delay: 93.394 ms
Loss rate: 0.76%
Run 3: Statistics of PCC-Expr

Start at: 2019-08-27 17:09:56
End at: 2019-08-27 17:10:26
Local clock offset: 0.167 ms
Remote clock offset: -0.119 ms

# Below is generated by plot.py at 2019-08-27 20:04:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 353.17 Mbit/s
95th percentile per-packet one-way delay: 147.889 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 353.17 Mbit/s
95th percentile per-packet one-way delay: 147.889 ms
Loss rate: 0.79%
Run 3: Report of PCC-Expr — Data Link

[Graphs showing throughput and packet delay over time]
Run 4: Statistics of PCC-Expr

Start at: 2019-08-27 17:44:11
End at: 2019-08-27 17:44:41
Local clock offset: -0.127 ms
Remote clock offset: 0.175 ms

# Below is generated by plot.py at 2019-08-27 20:04:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 255.28 Mbit/s
95th percentile per-packet one-way delay: 146.771 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 255.28 Mbit/s
95th percentile per-packet one-way delay: 146.771 ms
Loss rate: 0.79%
Run 4: Report of PCC-Expr — Data Link
Run 5: Statistics of PCC-Expr

Start at: 2019-08-27 18:18:26
End at: 2019-08-27 18:18:56
Local clock offset: 0.325 ms
Remote clock offset: 0.163 ms

# Below is generated by plot.py at 2019-08-27 20:07:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 366.15 Mbit/s
95th percentile per-packet one-way delay: 161.656 ms
Loss rate: 3.47%
-- Flow 1:
Average throughput: 366.15 Mbit/s
95th percentile per-packet one-way delay: 161.656 ms
Loss rate: 3.47%
Run 5: Report of PCC-Expr — Data Link

[Graphs showing data link performance metrics over time]
Run 1: Statistics of QUIC Cubic

Start at: 2019-08-27 15:51:17
End at: 2019-08-27 15:51:47
Local clock offset: -0.303 ms
Remote clock offset: -1.043 ms

# Below is generated by plot.py at 2019-08-27 20:07:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.24 Mbit/s
95th percentile per-packet one-way delay: 57.417 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 75.24 Mbit/s
95th percentile per-packet one-way delay: 57.417 ms
Loss rate: 0.54%
Run 1: Report of QUIC Cubic — Data Link
Run 2: Statistics of QUIC Cubic

Start at: 2019-08-27 16:25:18
End at: 2019-08-27 16:25:48
Local clock offset: -0.307 ms
Remote clock offset: -0.038 ms

# Below is generated by plot.py at 2019-08-27 20:07:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.18 Mbit/s
95th percentile per-packet one-way delay: 56.648 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 75.18 Mbit/s
95th percentile per-packet one-way delay: 56.648 ms
Loss rate: 0.54%
Run 2: Report of QUIC Cubic — Data Link

![Data Link Throughput and Delay Graph](image)
Run 3: Statistics of QUIC Cubic

Start at: 2019-08-27 16:59:25
End at: 2019-08-27 16:59:55
Local clock offset: -0.228 ms
Remote clock offset: -0.113 ms

# Below is generated by plot.py at 2019-08-27 20:07:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.33 Mbit/s
95th percentile per-packet one-way delay: 56.746 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 73.33 Mbit/s
95th percentile per-packet one-way delay: 56.746 ms
Loss rate: 0.56%
Run 3: Report of QUIC Cubic — Data Link

![Graph of throughput (Mbps) over time (s) for flow ingress and egress with mean values](image1)

![Graph of packet drop delay (ms) over time (s) for flow (95th percentile)](image2)
Run 4: Statistics of QUIC Cubic

Start at: 2019-08-27 17:33:50
End at: 2019-08-27 17:34:20
Local clock offset: 0.222 ms
Remote clock offset: 0.15 ms

# Below is generated by plot.py at 2019-08-27 20:07:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.15 Mbit/s
95th percentile per-packet one-way delay: 57.071 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 74.15 Mbit/s
95th percentile per-packet one-way delay: 57.071 ms
Loss rate: 0.56%
Run 4: Report of QUIC Cubic — Data Link

Throughput (Mbit/s)

Time (s)

Flow 1 ingress (mean 74.28 Mbit/s)  Flow 1 egress (mean 74.15 Mbit/s)

Per packet one way delay (ms)

Time (s)

Flow 1 (95th percentile 57.07 ms)
Run 5: Statistics of QUIC Cubic

Start at: 2019-08-27 18:07:57
End at: 2019-08-27 18:08:27
Local clock offset: 0.389 ms
Remote clock offset: 0.232 ms

# Below is generated by plot.py at 2019-08-27 20:07:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.32 Mbit/s
95th percentile per-packet one-way delay: 57.148 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 76.32 Mbit/s
95th percentile per-packet one-way delay: 57.148 ms
Loss rate: 0.53%
Run 5: Report of QUIC Cubic — Data Link
Run 1: Statistics of SCReAM

Start at: 2019-08-27 16:04:39
End at: 2019-08-27 16:05:09
Local clock offset: 0.121 ms
Remote clock offset: -0.086 ms

# Below is generated by plot.py at 2019-08-27 20:07:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.275 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.275 ms
Loss rate: 0.39%
Run 1: Report of SCReAM — Data Link
Run 2: Statistics of SCReAM

Start at: 2019-08-27 16:38:46
End at: 2019-08-27 16:39:16
Local clock offset: 0.148 ms
Remote clock offset: -0.016 ms

# Below is generated by plot.py at 2019-08-27 20:07:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.258 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.258 ms
Loss rate: 0.39%
Run 2: Report of SCReAM — Data Link

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

- Flow 1 ingress (mean 0.22 Mbit/s)
- Flow 1 egress (mean 0.22 Mbit/s)

![Graph 2: One-Way Delay vs Time](image2.png)

- Flow 1 (95th percentile 57.26 ms)
Run 3: Statistics of SCReAM

Start at: 2019-08-27 17:12:54
End at: 2019-08-27 17:13:24
Local clock offset: -0.015 ms
Remote clock offset: 0.39 ms

# Below is generated by plot.py at 2019-08-27 20:07:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 56.545 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 56.545 ms
Loss rate: 0.38%
Run 3: Report of SCReAM — Data Link

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

- Flow 1 ingress (mean 0.22 Mbit/s)
- Flow 1 egress (mean 0.22 Mbit/s)

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

- Flow 1 (95th percentile 56.55 ms)
Run 4: Statistics of SCReAM

Start at: 2019-08-27 17:47:04  
End at: 2019-08-27 17:47:34  
Local clock offset: 0.325 ms  
Remote clock offset: -0.009 ms

# Below is generated by plot.py at 2019-08-27 20:07:31  
# Datalink statistics

-- Total of 1 flow:
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 57.344 ms  
Loss rate: 0.38%

-- Flow 1:
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 57.344 ms  
Loss rate: 0.38%
Run 4: Report of SCReAM — Data Link

![Graph 1: Throughput vs Time

Flow 1 ingress (mean 0.22 Mbit/s)  
Flow 1 egress (mean 0.22 Mbit/s)

---

![Graph 2: Per-packet one-way delay vs Time

Flow 1 (95th percentile 57.34 ms)
Run 5: Statistics of SCReAM

End at: 2019-08-27 18:21:58
Local clock offset: 0.82 ms
Remote clock offset: 0.197 ms

# Below is generated by plot.py at 2019-08-27 20:07:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.559 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.559 ms
Loss rate: 0.38%
Run 5: Report of SCReAM — Data Link

Throughput (Mbps)

Time (s)

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

Per packet one-way delay (ms)

Time (s)

Flow 1 (95th percentile 57.56 ms)
Run 1: Statistics of Sprout

Start at: 2019-08-27 15:47:11
End at: 2019-08-27 15:47:41
Local clock offset: -0.495 ms
Remote clock offset: -0.352 ms

# Below is generated by plot.py at 2019-08-27 20:07:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.98 Mbit/s
95th percentile per-packet one-way delay: 60.225 ms
Loss rate: 0.45%

-- Flow 1:
Average throughput: 6.98 Mbit/s
95th percentile per-packet one-way delay: 60.225 ms
Loss rate: 0.45%
Run 1: Report of Sprout — Data Link

Throughput (Mbps)

Time (s)

Flow 1 ingress (mean 7.00 Mbit/s)  Flow 1 egress (mean 6.98 Mbit/s)

Per packet one-way delay (ms)

Time (s)

Flow 1 [95th percentile 60.23 ms]
Run 2: Statistics of Sprout

Start at: 2019-08-27 16:21:22
End at: 2019-08-27 16:21:52
Local clock offset: -0.102 ms
Remote clock offset: 0.114 ms

# Below is generated by plot.py at 2019-08-27 20:07:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.02 Mbit/s
95th percentile per-packet one-way delay: 60.545 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 7.02 Mbit/s
95th percentile per-packet one-way delay: 60.545 ms
Loss rate: 0.49%
Run 2: Report of Sprout — Data Link
Run 3: Statistics of Sprout

End at: 2019-08-27 16:55:50
Local clock offset: 0.159 ms
Remote clock offset: -0.105 ms

# Below is generated by plot.py at 2019-08-27 20:07:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.88 Mbit/s
95th percentile per-packet one-way delay: 57.426 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 7.88 Mbit/s
95th percentile per-packet one-way delay: 57.426 ms
Loss rate: 0.42%
Run 3: Report of Sprout — Data Link
Run 4: Statistics of Sprout

Start at: 2019-08-27 17:29:39
End at: 2019-08-27 17:30:09
Local clock offset: 0.235 ms
Remote clock offset: 0.15 ms

# Below is generated by plot.py at 2019-08-27 20:07:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.59 Mbit/s
95th percentile per-packet one-way delay: 57.187 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 7.59 Mbit/s
95th percentile per-packet one-way delay: 57.187 ms
Loss rate: 0.45%
Run 4: Report of Sprout — Data Link

![Graph 1: Throughput (Mbps)]

- Flow 1 ingress (mean 7.59 Mbit/s)
- Flow 1 egress (mean 7.59 Mbit/s)

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

- Flow 1 (95th percentile 57.19 ms)
Run 5: Statistics of Sprout

Start at: 2019-08-27 18:03:46
End at: 2019-08-27 18:04:16
Local clock offset: 0.293 ms
Remote clock offset: 0.209 ms

# Below is generated by plot.py at 2019-08-27 20:07:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.23 Mbit/s
95th percentile per-packet one-way delay: 57.486 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 7.23 Mbit/s
95th percentile per-packet one-way delay: 57.486 ms
Loss rate: 0.27%
Run 5: Report of Sprout — Data Link

![Graph of throughput vs. time with two lines representing Flow 1 ingress and egress, both with a mean of 7.22 Mbit/s and 7.23 Mbit/s respectively.]

![Graph of per-packet one-way delay vs. time with a line representing Flow 1 with a 95th percentile of 57.49 ms.]

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Run 1: Statistics of TaoVA-100x

Start at: 2019-08-27 15:37:22
End at: 2019-08-27 15:37:52
Local clock offset: -0.074 ms
Remote clock offset: -0.47 ms

# Below is generated by plot.py at 2019-08-27 20:08:15
# Datalink statistics
   -- Total of 1 flow:
Average throughput: 236.18 Mbit/s
95th percentile per-packet one-way delay: 57.172 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 236.18 Mbit/s
95th percentile per-packet one-way delay: 57.172 ms
Loss rate: 0.40%
Run 1: Report of TaoVA-100x — Data Link

![Graph showing throughput and packet delay over time for flow 1.]
Run 2: Statistics of TaoVA-100x

Start at: 2019-08-27 16:11:29
End at: 2019-08-27 16:11:59
Local clock offset: -0.137 ms
Remote clock offset: 0.82 ms

# Below is generated by plot.py at 2019-08-27 20:08:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 232.15 Mbit/s
95th percentile per-packet one-way delay: 59.370 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 232.15 Mbit/s
95th percentile per-packet one-way delay: 59.370 ms
Loss rate: 0.42%
Run 2: Report of TaoVA-100x — Data Link
Run 3: Statistics of TaoVA-100x

Start at: 2019-08-27 16:45:34
End at: 2019-08-27 16:46:04
Local clock offset: -0.097 ms
Remote clock offset: 0.036 ms

# Below is generated by plot.py at 2019-08-27 20:08:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 233.86 Mbit/s
95th percentile per-packet one-way delay: 56.966 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 233.86 Mbit/s
95th percentile per-packet one-way delay: 56.966 ms
Loss rate: 0.38%
Run 3: Report of TaoVA-100x — Data Link
Run 4: Statistics of TaoVA-100x

Start at: 2019-08-27 17:19:43
End at: 2019-08-27 17:20:13
Local clock offset: 0.478 ms
Remote clock offset: 0.066 ms

# Below is generated by plot.py at 2019-08-27 20:08:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 228.74 Mbit/s
95th percentile per-packet one-way delay: 57.291 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 228.74 Mbit/s
95th percentile per-packet one-way delay: 57.291 ms
Loss rate: 0.39%
Run 4: Report of TaoVA-100x — Data Link

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

- **Flow 1 ingress (mean 228.78 Mbit/s)**
- **Flow 1 egress (mean 228.74 Mbit/s)**

- **Flow 1 (95th percentile 57.29 ms)**
Run 5: Statistics of TaoVA-100x

Start at: 2019-08-27 17:53:55
End at: 2019-08-27 17:54:25
Local clock offset: 0.343 ms
Remote clock offset: 0.149 ms

# Below is generated by plot.py at 2019-08-27 20:08:19
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 233.60 Mbit/s
  95th percentile per-packet one-way delay: 57.068 ms
  Loss rate: 0.42%
-- Flow 1:
  Average throughput: 233.60 Mbit/s
  95th percentile per-packet one-way delay: 57.068 ms
  Loss rate: 0.42%
Run 5: Report of TaoVA-100x — Data Link
Run 1: Statistics of TCP Vegas

Start at: 2019-08-27 15:57:10
End at: 2019-08-27 15:57:40
Local clock offset: -0.286 ms
Remote clock offset: -0.409 ms

# Below is generated by plot.py at 2019-08-27 20:08:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 255.72 Mbit/s
95th percentile per-packet one-way delay: 57.425 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 255.72 Mbit/s
95th percentile per-packet one-way delay: 57.425 ms
Loss rate: 0.41%
Run 1: Report of TCP Vegas — Data Link

[Graph showing throughput and packet round-trip delay over time, with labels for Flow 1 ingress and egress.]
Run 2: Statistics of TCP Vegas

Start at: 2019-08-27 16:31:09
End at: 2019-08-27 16:31:39
Local clock offset: -0.17 ms
Remote clock offset: 0.004 ms

# Below is generated by plot.py at 2019-08-27 20:11:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 467.87 Mbit/s
95th percentile per-packet one-way delay: 61.024 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 467.87 Mbit/s
95th percentile per-packet one-way delay: 61.024 ms
Loss rate: 0.39%
Run 2: Report of TCP Vegas — Data Link

![Graph of Throughput vs Time]

- Flow 1 ingress (mean 467.92 Mbit/s)
- Flow 1 egress (mean 467.87 Mbit/s)

![Graph of Packet Drop Rate vs Time]

- Flow 1 (95th percentile 61.02 ms)
Run 3: Statistics of TCP Vegas

Start at: 2019-08-27 17:05:16
End at: 2019-08-27 17:05:46
Local clock offset: 0.046 ms
Remote clock offset: -0.015 ms

# Below is generated by plot.py at 2019-08-27 20:14:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 484.99 Mbit/s
95th percentile per-packet one-way delay: 58.332 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 484.99 Mbit/s
95th percentile per-packet one-way delay: 58.332 ms
Loss rate: 0.41%
Run 3: Report of TCP Vegas — Data Link
Run 4: Statistics of TCP Vegas

Start at: 2019-08-27 17:39:38
End at: 2019-08-27 17:40:08
Local clock offset: 0.662 ms
Remote clock offset: 0.032 ms

# Below is generated by plot.py at 2019-08-27 20:14:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 472.66 Mbit/s
95th percentile per-packet one-way delay: 58.342 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 472.66 Mbit/s
95th percentile per-packet one-way delay: 58.342 ms
Loss rate: 0.39%
Run 4: Report of TCP Vegas — Data Link

![Graph showing throughput and delay over time for TCP Vegas]

- Flow 1 ingress (mean 472.70 Mbit/s)
- Flow 1 egress (mean 472.66 Mbit/s)

![Graph showing packet delay distribution]

- Flow 1 (95th percentile 58.34 ms)
Run 5: Statistics of TCP Vegas

Start at: 2019-08-27 18:13:45
End at: 2019-08-27 18:14:15
Local clock offset: 0.134 ms
Remote clock offset: 0.139 ms

# Below is generated by plot.py at 2019-08-27 20:15:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 477.75 Mbit/s
95th percentile per-packet one-way delay: 57.264 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 477.75 Mbit/s
95th percentile per-packet one-way delay: 57.264 ms
Loss rate: 0.39%
Run 5: Report of TCP Vegas — Data Link

![Data Link Throughput Graph]

- Flow 1 ingress (mean 477.78 Mbit/s)
- Flow 1 egress (mean 477.75 Mbit/s)

![Data Link Delay Graph]

- Flow 1 (95th percentile 57.26 ms)
Run 1: Statistics of Verus

Start at: 2019-08-27 15:44:20
End at: 2019-08-27 15:44:50
Local clock offset: 0.233 ms
Remote clock offset: -0.408 ms

# Below is generated by plot.py at 2019-08-27 20:15:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 217.14 Mbit/s
95th percentile per-packet one-way delay: 165.072 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 217.14 Mbit/s
95th percentile per-packet one-way delay: 165.072 ms
Loss rate: 1.18%
Run 1: Report of Verus — Data Link

![Graph 1](image1)

![Graph 2](image2)
Run 2: Statistics of Verus

Start at: 2019-08-27 16:18:34
End at: 2019-08-27 16:19:04
Local clock offset: 0.491 ms
Remote clock offset: -0.005 ms

# Below is generated by plot.py at 2019-08-27 20:15:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 176.96 Mbit/s
95th percentile per-packet one-way delay: 93.468 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 176.96 Mbit/s
95th percentile per-packet one-way delay: 93.468 ms
Loss rate: 0.89%
Run 2: Report of Verus — Data Link

**Graph 1:**
- **Flow 1 ingress (mean 177.87 Mbit/s)**
- **Flow 1 egress (mean 176.96 Mbit/s)**

**Graph 2:**
- **Flow 1 (95th percentile 93.47 ms)**

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Run 3: Statistics of Verus

Start at: 2019-08-27 16:52:37
End at: 2019-08-27 16:53:07
Local clock offset: 0.088 ms
Remote clock offset: -0.249 ms

# Below is generated by plot.py at 2019-08-27 20:15:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 168.98 Mbit/s
95th percentile per-packet one-way delay: 140.167 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 168.98 Mbit/s
95th percentile per-packet one-way delay: 140.167 ms
Loss rate: 0.74%
Run 3: Report of Verus — Data Link

Throughput (Mbps)

Time (s)

--- Flow 1 ingress (mean 169.58 Mbit/s) ---

--- Flow 1 egress (mean 168.98 Mbit/s) ---

Packet one way delay (ms)

Time (s)

--- Flow 1 (95th percentile 140.17 ms) ---
Run 4: Statistics of Verus

Start at: 2019-08-27 17:26:49
End at: 2019-08-27 17:27:19
Local clock offset: 0.106 ms
Remote clock offset: -0.064 ms

# Below is generated by plot.py at 2019-08-27 20:15:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 207.89 Mbit/s
95th percentile per-packet one-way delay: 152.085 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 207.89 Mbit/s
95th percentile per-packet one-way delay: 152.085 ms
Loss rate: 0.92%
Run 4: Report of Verus — Data Link

![Graph of throughput and packet delay over time](image-url)
Run 5: Statistics of Verus

Start at: 2019-08-27 18:01:00
End at: 2019-08-27 18:01:30
Local clock offset: 0.305 ms
Remote clock offset: -0.371 ms

# Below is generated by plot.py at 2019-08-27 20:16:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 164.96 Mbit/s
95th percentile per-packet one-way delay: 136.441 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 164.96 Mbit/s
95th percentile per-packet one-way delay: 136.441 ms
Loss rate: 0.57%
Run 5: Report of Verus — Data Link

![Graph of throughput over time with peaks and valleys indicating network activity.]

- Flow 1 ingress (mean 165.03 Mbit/s)
- Flow 1 egress (mean 144.96 Mbit/s)

![Graph of round trip time over time with peaks indicating network delay.]

- Flow 1 (95th percentile 136.44 ms)
Run 1: Statistics of PCC-Vivace

Start at: 2019-08-27 15:42:56
End at: 2019-08-27 15:43:26
Local clock offset: 0.101 ms
Remote clock offset: -0.399 ms

# Below is generated by plot.py at 2019-08-27 20:16:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 272.42 Mbit/s
95th percentile per-packet one-way delay: 59.011 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 272.42 Mbit/s
95th percentile per-packet one-way delay: 59.011 ms
Loss rate: 0.45%
Run 1: Report of PCC-Vivace — Data Link
Run 2: Statistics of PCC-Vivace

Start at: 2019-08-27 16:17:06
End at: 2019-08-27 16:17:36
Local clock offset: 0.286 ms
Remote clock offset: 0.132 ms

# Below is generated by plot.py at 2019-08-27 20:17:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 344.17 Mbit/s
95th percentile per-packet one-way delay: 66.945 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 344.17 Mbit/s
95th percentile per-packet one-way delay: 66.945 ms
Loss rate: 0.36%
Run 2: Report of PCC-Vivace — Data Link

![Graph showing throughput and delay over time]

- **Flow 1 ingress (mean 344.63 Mbit/s)**
- **Flow 1 egress (mean 344.17 Mbit/s)**

![Graph showing per packet one way delay]

- **Flow 1 (95th percentile 66.94 ms)**
Run 3: Statistics of PCC-Vivace

Start at: 2019-08-27 16:51:10
End at: 2019-08-27 16:51:40
Local clock offset: 0.355 ms
Remote clock offset: -0.643 ms

# Below is generated by plot.py at 2019-08-27 20:17:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 325.98 Mbit/s
95th percentile per-packet one-way delay: 60.674 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 325.98 Mbit/s
95th percentile per-packet one-way delay: 60.674 ms
Loss rate: 0.44%
Run 3: Report of PCC-Vivace — Data Link
Run 4: Statistics of PCC-Vivace

Start at: 2019-08-27 17:25:20
End at: 2019-08-27 17:25:50
Local clock offset: 0.69 ms
Remote clock offset: -0.281 ms

# Below is generated by plot.py at 2019-08-27 20:17:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 361.16 Mbit/s
95th percentile per-packet one-way delay: 58.483 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 361.16 Mbit/s
95th percentile per-packet one-way delay: 58.483 ms
Loss rate: 0.40%
Run 4: Report of PCC-Vivace — Data Link

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

- Flow 1 ingress (mean 361.20 Mbit/s)
- Flow 1 egress (mean 361.16 Mbit/s)

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

- Flow 1 (95th percentile 58.48 ms)
Run 5: Statistics of PCC-Vivace

Start at: 2019-08-27 17:59:32
End at: 2019-08-27 18:00:02
Local clock offset: 0.25 ms
Remote clock offset: 0.65 ms

# Below is generated by plot.py at 2019-08-27 20:17:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 345.84 Mbit/s
95th percentile per-packet one-way delay: 56.393 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 345.84 Mbit/s
95th percentile per-packet one-way delay: 56.393 ms
Loss rate: 0.44%
Run 5: Report of PCC-Vivace — Data Link

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

- Flow 1 ingress (mean 346.01 Mbit/s)
- Flow 1 egress (mean 345.84 Mbit/s)

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

- Flow 1 (95th percentile 56.39 ms)
Run 1: Statistics of WebRTC media

Start at: 2019-08-27 15:38:48
End at: 2019-08-27 15:39:18
Local clock offset: -0.104 ms
Remote clock offset: -0.541 ms
Run 1: Report of WebRTC media — Data Link
Run 2: Statistics of WebRTC media

Start at: 2019-08-27 16:12:55
End at: 2019-08-27 16:13:25
Local clock offset: 0.465 ms
Remote clock offset: -0.603 ms

# Below is generated by plot.py at 2019-08-27 20:17:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 58.161 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 58.161 ms
Loss rate: 0.00%
Run 2: Report of WebRTC media — Data Link
Run 3: Statistics of WebRTC media

Start at: 2019-08-27 16:47:00
End at: 2019-08-27 16:47:30
Local clock offset: 0.352 ms
Remote clock offset: -0.148 ms

# Below is generated by plot.py at 2019-08-27 20:17:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 61.435 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 61.435 ms
Loss rate: 0.00%
Run 3: Report of WebRTC media — Data Link
Run 4: Statistics of WebRTC media

Start at: 2019-08-27 17:21:09
End at: 2019-08-27 17:21:39
Local clock offset: 0.403 ms
Remote clock offset: 0.116 ms

# Below is generated by plot.py at 2019-08-27 20:17:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 57.256 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 57.256 ms
Loss rate: 0.00%
Run 4: Report of WebRTC media — Data Link
Run 5: Statistics of WebRTC media

Start at: 2019-08-27 17:55:22
End at: 2019-08-27 17:55:52
Local clock offset: 0.278 ms
Remote clock offset: 0.129 ms

# Below is generated by plot.py at 2019-08-27 20:17:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 57.413 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 57.413 ms
Loss rate: 0.00%
Run 5: Report of WebRTC media — Data Link