Repeated the test of 18 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 4.15.0-1021-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 @ 794ca3866981572cb7370a276691acf79c60f2b
third_party/fillp @ d6da1459329fcee56963885d7eba17e6a324d519
third_party/genericCC @ d0153f8e594aa89eb032143c2bd3f58e562f4
third_party/indigo @ 2601c92e4a9d58d94c4df0ecdbf9c077e6d
third_party/indigo-96d2da3 @ 8413272d46f8aa0cbcb967ed7048b6a8f994ab95
third_party/libutp @ b3465b942a2826f2b179eaab4a906ce5bb7c3f3cf
third_party/muses @ 65ac1b19bbefed0c6349ae986019b4fa8643c40a
third_party/pantheon-tunnel @ f86663f58d27af942717625ee3a354cc2e802d
third_party/pcc @ 1af9c58fa0d66d186b23c091a55fec872b498e11
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8ac0d8f9ab24f24974ab
third_party/proto-quic @ 77961f1a8273a38b42f181433ec978f3ccf4f
third_party/scream-reproduce @ f09918d1421aa3131ff11ff1964974e1da3dbb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4ad6ad18c74f9415f19a26
M src/examples/cellsim.ccc
M src/examples/sproutbt2.cc
M src/network/sproutconn.ccc
third_party/verus @ 4b447ea74c6c60a261149af2629562939f9a494
M src/verus.cpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c5045875d7f4
test from GCE Iowa to GCE London, 5 runs of 30s each per scheme
(mean of all runs by scheme)
<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>601.04</td>
<td>81.36</td>
<td>0.39</td>
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<tr>
<td>Copa</td>
<td>5</td>
<td>295.35</td>
<td>59.29</td>
<td>0.36</td>
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<tr>
<td>TCP Cubic</td>
<td>5</td>
<td>619.55</td>
<td>86.34</td>
<td>0.38</td>
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<td>FillP</td>
<td>5</td>
<td>958.57</td>
<td>81.33</td>
<td>0.48</td>
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<td>Indigo</td>
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<td>229.72</td>
<td>48.79</td>
<td>0.36</td>
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<tr>
<td>Indigo-96d2da3</td>
<td>5</td>
<td>291.17</td>
<td>66.31</td>
<td>0.44</td>
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<tr>
<td>LEDBAT</td>
<td>4</td>
<td>39.44</td>
<td>48.79</td>
<td>0.48</td>
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<td>Indigo-Muses</td>
<td>5</td>
<td>602.72</td>
<td>70.47</td>
<td>0.40</td>
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<tr>
<td>PCC-Allegro</td>
<td>5</td>
<td>446.39</td>
<td>155.42</td>
<td>2.16</td>
</tr>
<tr>
<td>PCC-Expr</td>
<td>5</td>
<td>330.71</td>
<td>134.52</td>
<td>1.48</td>
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<tr>
<td>QUIC Cubic</td>
<td>4</td>
<td>56.33</td>
<td>47.21</td>
<td>0.53</td>
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<tr>
<td>SCReAM</td>
<td>5</td>
<td>0.22</td>
<td>48.55</td>
<td>0.28</td>
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<tr>
<td>Sprout</td>
<td>5</td>
<td>9.02</td>
<td>49.07</td>
<td>0.36</td>
</tr>
<tr>
<td>TaoVA-100x</td>
<td>5</td>
<td>253.54</td>
<td>47.74</td>
<td>0.32</td>
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<tr>
<td>TCP Vegas</td>
<td>5</td>
<td>532.41</td>
<td>67.94</td>
<td>0.28</td>
</tr>
<tr>
<td>Verus</td>
<td>5</td>
<td>171.97</td>
<td>123.50</td>
<td>0.42</td>
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<tr>
<td>PCC-Vivace</td>
<td>5</td>
<td>361.92</td>
<td>61.62</td>
<td>0.30</td>
</tr>
<tr>
<td>WebRTC media</td>
<td>5</td>
<td>1.87</td>
<td>47.18</td>
<td>0.37</td>
</tr>
</tbody>
</table>
Run 1: Statistics of TCP BBR

Start at: 2018-11-03 12:00:59
End at: 2018-11-03 12:01:29
Local clock offset: -0.03 ms
Remote clock offset: -0.078 ms

# Below is generated by plot.py at 2018-11-03 14:16:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 605.42 Mbit/s
95th percentile per-packet one-way delay: 80.244 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 605.42 Mbit/s
95th percentile per-packet one-way delay: 80.244 ms
Loss rate: 0.39%
Run 1: Report of TCP BBR — Data Link

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

- **Throughput (Mbps)**
  - Y-axis: Throughput in Mbps
  - X-axis: Time in seconds

- **Delay (ms)**
  - Y-axis: Packet delay in ms
  - X-axis: Time in seconds
Run 2: Statistics of TCP BBR

Start at: 2018-11-03 12:26:51
End at: 2018-11-03 12:27:21
Local clock offset: -0.463 ms
Remote clock offset: -0.092 ms

# Below is generated by plot.py at 2018-11-03 14:16:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 594.14 Mbit/s
95th percentile per-packet one-way delay: 76.899 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 594.14 Mbit/s
95th percentile per-packet one-way delay: 76.899 ms
Loss rate: 0.40%
Run 2: Report of TCP BBR — Data Link

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

- Flow 1 ingress (mean 594.63 Mbit/s)
- Flow 1 egress (mean 594.14 Mbit/s)

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

Flow 1 (95th percentile 76.90 ms)
Run 3: Statistics of TCP BBR

Start at: 2018-11-03 12:53:09
End at: 2018-11-03 12:53:40
Local clock offset: -0.479 ms
Remote clock offset: -0.082 ms

# Below is generated by plot.py at 2018-11-03 14:16:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 606.03 Mbit/s
95th percentile per-packet one-way delay: 78.033 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 606.03 Mbit/s
95th percentile per-packet one-way delay: 78.033 ms
Loss rate: 0.39%
Run 3: Report of TCP BBR — Data Link

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

- Flow 1 ingress (mean 606.50 Mbit/s)
- Flow 1 egress (mean 606.03 Mbit/s)

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

- Flow 1 (95th percentile 78.03 ms)
Run 4: Statistics of TCP BBR

Start at: 2018-11-03 13:19:14
End at: 2018-11-03 13:19:44
Local clock offset: -0.175 ms
Remote clock offset: -0.05 ms

# Below is generated by plot.py at 2018-11-03 14:16:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 598.75 Mbit/s
95th percentile per-packet one-way delay: 79.648 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 598.75 Mbit/s
95th percentile per-packet one-way delay: 79.648 ms
Loss rate: 0.40%
Run 4: Report of TCP BBR — Data Link

[Graph showing Throughput and Delay over time]

- Flow 1 ingress (mean 599.23 Mbit/s)
- Flow 1 egress (mean 598.75 Mbit/s)

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

- Flow 1 (95th percentile 79.65 ms)
Run 5: Statistics of TCP BBR

Start at: 2018-11-03 13:45:23
End at: 2018-11-03 13:45:53
Local clock offset: -0.086 ms
Remote clock offset: -0.108 ms

# Below is generated by plot.py at 2018-11-03 14:16:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 600.86 Mbit/s
95th percentile per-packet one-way delay: 91.968 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 600.86 Mbit/s
95th percentile per-packet one-way delay: 91.968 ms
Loss rate: 0.39%
Run 5: Report of TCP BBR — Data Link
Run 1: Statistics of Copa

Start at: 2018-11-03 11:48:17
End at: 2018-11-03 11:48:47
Local clock offset: -0.054 ms
Remote clock offset: -0.121 ms

# Below is generated by plot.py at 2018-11-03 14:16:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 307.93 Mbit/s
95th percentile per-packet one-way delay: 58.419 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 307.93 Mbit/s
95th percentile per-packet one-way delay: 58.419 ms
Loss rate: 0.36%
Run 1: Report of Copa — Data Link
Run 2: Statistics of Copa

Start at: 2018-11-03 12:14:06
End at: 2018-11-03 12:14:36
Local clock offset: -0.401 ms
Remote clock offset: -0.088 ms

# Below is generated by plot.py at 2018-11-03 14:16:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 239.79 Mbit/s
95th percentile per-packet one-way delay: 54.783 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 239.79 Mbit/s
95th percentile per-packet one-way delay: 54.783 ms
Loss rate: 0.34%
Run 2: Report of Copa — Data Link

![Graph of Throughput vs Time]

- **Flow 1 ingress (mean 239.86 Mbit/s)**
- **Flow 1 egress (mean 239.79 Mbit/s)**

![Graph of Packet Delay vs Time]

- **Flow 1 (95th percentile 54.78 ms)**
Run 3: Statistics of Copa

Start at: 2018-11-03 12:40:01
End at: 2018-11-03 12:40:31
Local clock offset: -0.094 ms
Remote clock offset: -0.11 ms

# Below is generated by plot.py at 2018-11-03 14:16:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 281.89 Mbit/s
95th percentile per-packet one-way delay: 52.737 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 281.89 Mbit/s
95th percentile per-packet one-way delay: 52.737 ms
Loss rate: 0.38%
Run 3: Report of Copa — Data Link

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

Flow 1 ingress (mean 282.06 Mbit/s)  
Flow 1 egress (mean 281.89 Mbit/s)

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

Flow 1 (95th percentile 52.74 ms)
Run 4: Statistics of Copa

Start at: 2018-11-03 13:06:23
End at: 2018-11-03 13:06:53
Local clock offset: -0.147 ms
Remote clock offset: -0.093 ms

# Below is generated by plot.py at 2018-11-03 14:22:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 294.34 Mbit/s
95th percentile per-packet one-way delay: 71.355 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 294.34 Mbit/s
95th percentile per-packet one-way delay: 71.355 ms
Loss rate: 0.38%
Run 4: Report of Copa — Data Link

![Graph showing network throughput over time with two traces representing 'Flow 1 ingress (mean 294.5 Mbit/s)' and 'Flow 1 egress (mean 294.3 Mbit/s)' for the first 30 seconds.]

![Graph showing packet delay over time with a trace representing 'Flow 1 (95th percentile 71.36 ms)' for the first 30 seconds.]
Run 5: Statistics of Copa

Start at: 2018-11-03 13:32:24
End at: 2018-11-03 13:32:54
Local clock offset: -0.108 ms
Remote clock offset: -0.073 ms

# Below is generated by plot.py at 2018-11-03 14:27:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 352.82 Mbit/s
95th percentile per-packet one-way delay: 59.147 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 352.82 Mbit/s
95th percentile per-packet one-way delay: 59.147 ms
Loss rate: 0.34%
Run 5: Report of Copa — Data Link
Run 1: Statistics of TCP Cubic

Start at: 2018-11-03 11:46:39
End at: 2018-11-03 11:47:09
Local clock offset: -0.011 ms
Remote clock offset: -0.039 ms

# Below is generated by plot.py at 2018-11-03 14:27:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 621.26 Mbit/s
95th percentile per-packet one-way delay: 76.717 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 621.26 Mbit/s
95th percentile per-packet one-way delay: 76.717 ms
Loss rate: 0.38%
Run 1: Report of TCP Cubic — Data Link

[Graph showing throughput and packet delay over time]

- Flow 1 ingress (mean 623.04 Mbit/s)
- Flow 1 egress (mean 621.26 Mbit/s)
Run 2: Statistics of TCP Cubic

Start at: 2018-11-03 12:12:29
End at: 2018-11-03 12:12:59
Local clock offset: -0.055 ms
Remote clock offset: -0.056 ms

# Below is generated by plot.py at 2018-11-03 14:27:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 623.79 Mbit/s
95th percentile per-packet one-way delay: 82.123 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 623.79 Mbit/s
95th percentile per-packet one-way delay: 82.123 ms
Loss rate: 0.38%
Run 2: Report of TCP Cubic — Data Link

---

**Graph 1:**
- Y-axis: Throughput (Mbps)
- X-axis: Time (s)
- Legend:
  - Flow 1 ingress (mean 624.18 Mbps)
  - Flow 1 egress (mean 623.79 Mbps)

**Graph 2:**
- Y-axis: Per packet one way delay (ms)
- X-axis: Time (s)
- Legend:
  - Flow 1 (95th percentile 82.12 ms)
Run 3: Statistics of TCP Cubic

Start at: 2018-11-03 12:38:23
End at: 2018-11-03 12:38:53
Local clock offset: -0.106 ms
Remote clock offset: -0.117 ms

# Below is generated by plot.py at 2018-11-03 14:27:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 620.82 Mbit/s
95th percentile per-packet one-way delay: 72.942 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 620.82 Mbit/s
95th percentile per-packet one-way delay: 72.942 ms
Loss rate: 0.38%
Run 3: Report of TCP Cubic — Data Link

![Graph showing throughput and packet delay over time](image-url)
Run 4: Statistics of TCP Cubic

Start at: 2018-11-03 13:04:47
End at: 2018-11-03 13:05:17
Local clock offset: -0.145 ms
Remote clock offset: -0.096 ms

# Below is generated by plot.py at 2018-11-03 14:27:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 604.72 Mbit/s
95th percentile per-packet one-way delay: 120.890 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 604.72 Mbit/s
95th percentile per-packet one-way delay: 120.890 ms
Loss rate: 0.38%
Run 4: Report of TCP Cubic — Data Link
Run 5: Statistics of TCP Cubic

Start at: 2018-11-03 13:30:47
End at: 2018-11-03 13:31:17
Local clock offset: -0.167 ms
Remote clock offset: -0.02 ms

# Below is generated by plot.py at 2018-11-03 14:28:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 627.17 Mbit/s
95th percentile per-packet one-way delay: 79.049 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 627.17 Mbit/s
95th percentile per-packet one-way delay: 79.049 ms
Loss rate: 0.38%
Run 5: Report of TCP Cubic — Data Link

[Graph showing throughput and packet delay over time]
Run 1: Statistics of FillP

Start at: 2018-11-03 12:02:35
End at: 2018-11-03 12:03:05
Local clock offset: -0.398 ms
Remote clock offset: -0.064 ms

# Below is generated by plot.py at 2018-11-03 14:37:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 974.26 Mbit/s
95th percentile per-packet one-way delay: 84.361 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 974.26 Mbit/s
95th percentile per-packet one-way delay: 84.361 ms
Loss rate: 0.41%
Run 1: Report of FillP — Data Link

![Graph 1: Throughput (Mbps)]

- **Flow 1 ingress (mean 975.07 Mbps)**
- **Flow 1 egress (mean 974.26 Mbps)**

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

- **Flow 1 (95th percentile 84.36 ms)**
Run 2: Statistics of FillP

Start at: 2018-11-03 12:28:26
End at: 2018-11-03 12:28:56
Local clock offset: -0.078 ms
Remote clock offset: -0.113 ms

# Below is generated by plot.py at 2018-11-03 14:47:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 951.32 Mbit/s
95th percentile per-packet one-way delay: 86.888 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 951.32 Mbit/s
95th percentile per-packet one-way delay: 86.888 ms
Loss rate: 0.37%
Run 2: Report of FillP — Data Link
Run 3: Statistics of FillP

Start at: 2018-11-03 12:54:45
End at: 2018-11-03 12:55:15
Local clock offset: -0.112 ms
Remote clock offset: -0.083 ms

# Below is generated by plot.py at 2018-11-03 14:50:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 938.68 Mbit/s
95th percentile per-packet one-way delay: 82.831 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 938.68 Mbit/s
95th percentile per-packet one-way delay: 82.831 ms
Loss rate: 0.77%
Run 3: Report of FillP — Data Link
Run 4: Statistics of FillP

Start at: 2018-11-03 13:20:49
End at: 2018-11-03 13:21:19
Local clock offset: -0.183 ms
Remote clock offset: -0.046 ms

# Below is generated by plot.py at 2018-11-03 14:50:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 933.03 Mbit/s
95th percentile per-packet one-way delay: 90.973 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 933.03 Mbit/s
95th percentile per-packet one-way delay: 90.973 ms
Loss rate: 0.51%
Run 4: Report of FillP — Data Link

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

- Flow 1 ingress (mean 934.82 Mbps)
- Flow 1 egress (mean 933.03 Mbps)

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

- Flow 1 (95th percentile 90.97 ms)
Run 5: Statistics of FillP

Start at: 2018-11-03 13:47:00
End at: 2018-11-03 13:47:30
Local clock offset: -0.095 ms
Remote clock offset: -0.138 ms

# Below is generated by plot.py at 2018-11-03 14:52:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 995.55 Mbit/s
95th percentile per-packet one-way delay: 61.588 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 995.55 Mbit/s
95th percentile per-packet one-way delay: 61.588 ms
Loss rate: 0.35%
Run 5: Report of FillP — Data Link

![Graph 1: Throughput vs Time]

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

Flow 1 Ingress (mean 995.85 Mbps)  Flow 1 Egress (mean 995.55 Mbps)

Flow 1 (95th percentile 61.59 ms)
Run 1: Statistics of Indigo

Start at: 2018-11-03 12:06:36
End at: 2018-11-03 12:07:06
Local clock offset: -0.067 ms
Remote clock offset: -0.092 ms

# Below is generated by plot.py at 2018-11-03 14:52:15
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 231.62 Mbit/s
  95th percentile per-packet one-way delay: 49.670 ms
  Loss rate: 0.34%
-- Flow 1:
  Average throughput: 231.62 Mbit/s
  95th percentile per-packet one-way delay: 49.670 ms
  Loss rate: 0.34%
Run 1: Report of Indigo — Data Link
Run 2: Statistics of Indigo

Start at: 2018-11-03 12:32:29
End at: 2018-11-03 12:32:59
Local clock offset: -0.099 ms
Remote clock offset: -0.065 ms

# Below is generated by plot.py at 2018-11-03 14:52:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 231.53 Mbit/s
95th percentile per-packet one-way delay: 47.773 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 231.53 Mbit/s
95th percentile per-packet one-way delay: 47.773 ms
Loss rate: 0.34%
Run 2: Report of Indigo — Data Link

![Graph showing throughput vs. time for Flow 1 ingress (mean 231.55 Mbit/s) and egress (mean 231.53 Mbit/s).]

![Graph showing packet delay vs. time for Flow 1 (95th percentile 47.77 ms).]
Run 3: Statistics of Indigo

Start at: 2018-11-03 12:58:49
End at: 2018-11-03 12:59:19
Local clock offset: -0.514 ms
Remote clock offset: -0.091 ms

# Below is generated by plot.py at 2018-11-03 14:52:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 228.28 Mbit/s
95th percentile per-packet one-way delay: 47.684 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 228.28 Mbit/s
95th percentile per-packet one-way delay: 47.684 ms
Loss rate: 0.37%
Run 3: Report of Indigo — Data Link
Run 4: Statistics of Indigo

End at: 2018-11-03 13:25:24
Local clock offset: -0.546 ms
Remote clock offset: -0.074 ms

# Below is generated by plot.py at 2018-11-03 14:52:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 233.49 Mbit/s
95th percentile per-packet one-way delay: 50.156 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 233.49 Mbit/s
95th percentile per-packet one-way delay: 50.156 ms
Loss rate: 0.40%
Run 4: Report of Indigo — Data Link

![Graph of Throughput vs. Time (m/s)](image1)

![Graph of Per-Packet One Way Delay vs. Time (ms)](image2)
Run 5: Statistics of Indigo

Start at: 2018-11-03 13:51:06
End at: 2018-11-03 13:51:36
Local clock offset: -0.077 ms
Remote clock offset: -0.15 ms

# Below is generated by plot.py at 2018-11-03 14:52:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 223.68 Mbit/s
95th percentile per-packet one-way delay: 48.682 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 223.68 Mbit/s
95th percentile per-packet one-way delay: 48.682 ms
Loss rate: 0.33%
Run 5: Report of Indigo — Data Link

![Graph showing throughput and packet delay over time]

- Flow 1 ingress (mean 223.71 Mbit/s)
- Flow 1 egress (mean 223.68 Mbit/s)

![Graph showing packet delay over time]

- Flow 1 (95th percentile 48.68 ms)
Run 1: Statistics of Indigo-96d2da3

Start at: 2018-11-03 11:56:32
End at: 2018-11-03 11:57:02
Local clock offset: -0.001 ms
Remote clock offset: -0.104 ms

# Below is generated by plot.py at 2018-11-03 14:52:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 284.21 Mbit/s
95th percentile per-packet one-way delay: 64.495 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 284.21 Mbit/s
95th percentile per-packet one-way delay: 64.495 ms
Loss rate: 0.48%
Run 1: Report of Indigo-96d2da3 — Data Link

Throughput (Mbps)

Time (s)

Flow 1 ingress (mean 284.58 Mbit/s)  Flow 1 egress (mean 284.21 Mbit/s)

Per packet one way delay (ms)

Time (s)

Flow 1 (95th percentile 64.50 ms)
Run 2: Statistics of Indigo-96d2da3

Local clock offset: -0.092 ms
Remote clock offset: -0.101 ms

# Below is generated by plot.py at 2018-11-03 14:52:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 296.53 Mbit/s
95th percentile per-packet one-way delay: 64.671 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 296.53 Mbit/s
95th percentile per-packet one-way delay: 64.671 ms
Loss rate: 0.46%
Run 2: Report of Indigo-96d2da3 — Data Link
Run 3: Statistics of Indigo-96d2da3

Start at: 2018-11-03 12:48:37
End at: 2018-11-03 12:49:07
Local clock offset: -0.137 ms
Remote clock offset: -0.093 ms

# Below is generated by plot.py at 2018-11-03 14:52:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 302.62 Mbit/s
95th percentile per-packet one-way delay: 72.853 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 302.62 Mbit/s
95th percentile per-packet one-way delay: 72.853 ms
Loss rate: 0.35%
Run 3: Report of Indigo-96d2da3 — Data Link

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

- **Flow 1 ingress (mean 302.72 Mbit/s)**
- **Flow 1 egress (mean 302.62 Mbit/s)**

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

- **Flow 1 (95th percentile 72.85 ms)**
Run 4: Statistics of Indigo-96d2da3

Start at: 2018-11-03 13:14:44
End at: 2018-11-03 13:15:14
Local clock offset: -0.182 ms
Remote clock offset: -0.055 ms

# Below is generated by plot.py at 2018-11-03 14:52:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 293.77 Mbit/s
95th percentile per-packet one-way delay: 67.087 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 293.77 Mbit/s
95th percentile per-packet one-way delay: 67.087 ms
Loss rate: 0.18%
Run 4: Report of Indigo-96d2da3 — Data Link

Throughput (Mbps)

0  5  10  15  20  25  30

Flow 1 ingress (mean 293.33 Mbit/s)  Flow 1 egress (mean 293.77 Mbit/s)

Per packet one way delay (ms)

0  5  10  15  20  25  30

Flow 1 (95th percentile 67.09 ms)
Run 5: Statistics of Indigo-96d2da3

Start at: 2018-11-03 13:40:53
End at: 2018-11-03 13:41:23
Local clock offset: -0.074 ms
Remote clock offset: -0.11 ms

# Below is generated by plot.py at 2018-11-03 14:52:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 278.71 Mbit/s
95th percentile per-packet one-way delay: 62.453 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 278.71 Mbit/s
95th percentile per-packet one-way delay: 62.453 ms
Loss rate: 0.71%
Run 5: Report of Indigo-96d2da3 — Data Link

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

Flow 1 ingress (mean 279.90 Mbit/s)  Flow 1 egress (mean 278.71 Mbit/s)

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

Flow 1 (95th percentile 62.45 ms)
Run 1: Statistics of LEDBAT

Start at: 2018-11-03 11:55:20
End at: 2018-11-03 11:55:50
Local clock offset: -0.092 ms
Remote clock offset: -0.089 ms

# Below is generated by plot.py at 2018-11-03 14:52:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.82 Mbit/s
95th percentile per-packet one-way delay: 48.597 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 41.82 Mbit/s
95th percentile per-packet one-way delay: 48.597 ms
Loss rate: 0.62%
Run 1: Report of LEDBAT — Data Link

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

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

Flow 1 ingress (mean 41.94 Mbit/s)  
Flow 1 egress (mean 41.62 Mbit/s)
Run 2: Statistics of LEDBAT

Start at: 2018-11-03 12:21:14
End at: 2018-11-03 12:21:44
Local clock offset: -0.065 ms
Remote clock offset: -0.124 ms

# Below is generated by plot.py at 2018-11-03 14:52:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.09 Mbit/s
95th percentile per-packet one-way delay: 48.853 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 39.09 Mbit/s
95th percentile per-packet one-way delay: 48.853 ms
Loss rate: 0.65%
Run 2: Report of LEDBAT — Data Link

![Graph showing throughput over time for Flow 1 ingress and egress, with annotations for mean values of 39.21 Mbit/s and 39.09 Mbit/s.]

![Graph showing per-packet one-way delay over time for Flow 1, with an annotation for the 95th percentile of 48.85 ms.]
Run 3: Statistics of LEDBAT

Run 3: Report of LEDBAT — Data Link

Figure is missing

Figure is missing
Run 4: Statistics of LEDBAT

End at: 2018-11-03 13:14:03
Local clock offset: -0.147 ms
Remote clock offset: -0.077 ms

# Below is generated by plot.py at 2018-11-03 14:52:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.75 Mbit/s
95th percentile per-packet one-way delay: 49.019 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 35.75 Mbit/s
95th percentile per-packet one-way delay: 49.019 ms
Loss rate: 0.01%
Run 4: Report of LEDBAT — Data Link

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

- Flow 1 ingress (mean 35.64 Mbit/s)
- Flow 1 egress (mean 35.75 Mbit/s)

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

- Flow 1 95th percentile 49.02 ms
Run 5: Statistics of LEDBAT

Start at: 2018-11-03 13:39:42
End at: 2018-11-03 13:40:12
Local clock offset: -0.103 ms
Remote clock offset: -0.076 ms

# Below is generated by plot.py at 2018-11-03 14:52:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.08 Mbit/s
95th percentile per-packet one-way delay: 48.706 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 41.08 Mbit/s
95th percentile per-packet one-way delay: 48.706 ms
Loss rate: 0.63%
Run 5: Report of LEDBAT — Data Link
Run 1: Statistics of Indigo-Muses

Start at: 2018-11-03 11:45:12
End at: 2018-11-03 11:45:42
Local clock offset: -0.045 ms
Remote clock offset: -0.058 ms

# Below is generated by plot.py at 2018-11-03 14:55:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 377.59 Mbit/s
95th percentile per-packet one-way delay: 66.786 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 377.59 Mbit/s
95th percentile per-packet one-way delay: 66.786 ms
Loss rate: 0.65%
Run 1: Report of Indigo-Muses — Data Link
Run 2: Statistics of Indigo-Muses

Start at: 2018-11-03 12:10:50
End at: 2018-11-03 12:11:20
Local clock offset: -0.056 ms
Remote clock offset: -0.059 ms

# Below is generated by plot.py at 2018-11-03 15:02:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 656.02 Mbit/s
95th percentile per-packet one-way delay: 68.577 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 656.02 Mbit/s
95th percentile per-packet one-way delay: 68.577 ms
Loss rate: 0.29%
Run 2: Report of Indigo-Muses — Data Link
Run 3: Statistics of Indigo-Muses

Start at: 2018-11-03 12:36:43
End at: 2018-11-03 12:37:13
Local clock offset: -0.105 ms
Remote clock offset: -0.095 ms

# Below is generated by plot.py at 2018-11-03 15:03:34
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 648.94 Mbit/s
  95th percentile per-packet one-way delay: 77.400 ms
  Loss rate: 0.37%
-- Flow 1:
  Average throughput: 648.94 Mbit/s
  95th percentile per-packet one-way delay: 77.400 ms
  Loss rate: 0.37%
Run 3: Report of Indigo-Muses — Data Link

![Graph of Throughput vs Time](image1)

- **Flow 1 ingress (mean 649.25 Mbit/s)**
- **Flow 1 egress (mean 648.94 Mbit/s)**

![Graph of Per packet one way delay vs Time](image2)

- **Flow 1 (95th percentile 77.40 ms)**

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Run 4: Statistics of Indigo-Muses

Start at: 2018-11-03 13:03:07
End at: 2018-11-03 13:03:37
Local clock offset: -0.474 ms
Remote clock offset: -0.09 ms

# Below is generated by plot.py at 2018-11-03 15:04:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 677.71 Mbit/s
95th percentile per-packet one-way delay: 71.259 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 677.71 Mbit/s
95th percentile per-packet one-way delay: 71.259 ms
Loss rate: 0.36%
Run 4: Report of Indigo-Muses — Data Link

![Graph 1: Throughput over time for Flow 1 ingress and egress](image1)

- **Flow 1 ingress** (mean 677.98 Mbit/s)
- **Flow 1 egress** (mean 677.71 Mbit/s)

![Graph 2: Per packet one way delay over time for Flow 1](image2)

- **Flow 1** (95th percentile 71.26 ms)
Run 5: Statistics of Indigo-Muses

Start at: 2018-11-03 13:29:09
End at: 2018-11-03 13:29:39
Local clock offset: -0.195 ms
Remote clock offset: -0.051 ms

# Below is generated by plot.py at 2018-11-03 15:04:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 653.36 Mbit/s
95th percentile per-packet one-way delay: 68.312 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 653.36 Mbit/s
95th percentile per-packet one-way delay: 68.312 ms
Loss rate: 0.35%
Run 5: Report of Indigo-Muses — Data Link

![Graph of Throughput (Mbps)](image1)

![Graph of Packet Delays (ms)](image2)
Run 1: Statistics of PCC-Allegro

Start at: 2018-11-03 11:59:24
End at: 2018-11-03 11:59:54
Local clock offset: -0.022 ms
Remote clock offset: -0.114 ms

# Below is generated by plot.py at 2018-11-03 15:07:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 436.74 Mbit/s
95th percentile per-packet one-way delay: 144.206 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 436.74 Mbit/s
95th percentile per-packet one-way delay: 144.206 ms
Loss rate: 0.63%
Run 1: Report of PCC-Allegro — Data Link

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

- Flow 1 ingress (mean 438.08 Mbps)
- Flow 1 egress (mean 436.74 Mbps)

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

- Flow 1 (95th percentile 144.23 ms)
Run 2: Statistics of PCC-Allegro

Start at: 2018-11-03 12:25:18
End at: 2018-11-03 12:25:48
Local clock offset: -0.071 ms
Remote clock offset: -0.084 ms

# Below is generated by plot.py at 2018-11-03 15:07:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 391.01 Mbit/s
95th percentile per-packet one-way delay: 152.504 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 391.01 Mbit/s
95th percentile per-packet one-way delay: 152.504 ms
Loss rate: 1.77%
Run 2: Report of PCC-Allegro — Data Link

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

- Flow 1 ingress (mean 396.73 Mbit/s)
- Flow 1 egress (mean 391.01 Mbit/s)

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

- Flow 1 (95th percentile 152.50 ms)
Run 3: Statistics of PCC-Allegro

Start at: 2018-11-03 12:51:33
End at: 2018-11-03 12:52:03
Local clock offset: -0.178 ms
Remote clock offset: -0.042 ms

# Below is generated by plot.py at 2018-11-03 15:09:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 466.72 Mbit/s
95th percentile per-packet one-way delay: 153.732 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 466.72 Mbit/s
95th percentile per-packet one-way delay: 153.732 ms
Loss rate: 1.48%
Run 3: Report of PCC-Allegro — Data Link
Run 4: Statistics of PCC-Allegro

Start at: 2018-11-03 13:17:36
End at: 2018-11-03 13:18:06
Local clock offset: 0.143 ms
Remote clock offset: -0.064 ms

# Below is generated by plot.py at 2018-11-03 15:14:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 474.50 Mbit/s
95th percentile per-packet one-way delay: 165.317 ms
Loss rate: 4.91%
-- Flow 1:
Average throughput: 474.50 Mbit/s
95th percentile per-packet one-way delay: 165.317 ms
Loss rate: 4.91%
Run 4: Report of PCC-Allegro — Data Link

![Graph showing throughput and delay over time for Flow 1 ingress and egress.]
Run 5: Statistics of PCC-Allegro

Start at: 2018-11-03 13:43:46
End at: 2018-11-03 13:44:16
Local clock offset: -0.097 ms
Remote clock offset: -0.051 ms

# Below is generated by plot.py at 2018-11-03 15:20:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 462.99 Mbit/s
95th percentile per-packet one-way delay: 161.357 ms
Loss rate: 2.00%
-- Flow 1:
Average throughput: 462.99 Mbit/s
95th percentile per-packet one-way delay: 161.357 ms
Loss rate: 2.00%
Run 5: Report of PCC-Allegro — Data Link

![Graph 1: Throughput](image)

- Flow 1 ingress (mean 470.95 Mbit/s)
- Flow 1 egress (mean 462.99 Mbit/s)

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

- Flow 1 (95th percentile 161.36 ms)
Run 1: Statistics of PCC-Expr

Start at: 2018-11-03 12:08:03
End at: 2018-11-03 12:08:33
Local clock offset: -0.11 ms
Remote clock offset: -0.077 ms

# Below is generated by plot.py at 2018-11-03 15:20:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 351.48 Mbit/s
95th percentile per-packet one-way delay: 125.561 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 351.48 Mbit/s
95th percentile per-packet one-way delay: 125.561 ms
Loss rate: 0.84%
Run 1: Report of PCC-Expr — Data Link

![Graph showing throughput and delay over time for flow 1 with ingress and egress metrics.]
Run 2: Statistics of PCC-Expr

Start at: 2018-11-03 12:33:58
End at: 2018-11-03 12:34:28
Local clock offset: -0.074 ms
Remote clock offset: -0.068 ms

# Below is generated by plot.py at 2018-11-03 15:20:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 313.25 Mbit/s
95th percentile per-packet one-way delay: 162.394 ms
Loss rate: 4.23%
-- Flow 1:
Average throughput: 313.25 Mbit/s
95th percentile per-packet one-way delay: 162.394 ms
Loss rate: 4.23%
Run 2: Report of PCC-Expr — Data Link
Run 3: Statistics of PCC-Expr

Start at: 2018-11-03 13:00:18
End at: 2018-11-03 13:00:48
Local clock offset: -0.566 ms
Remote clock offset: -0.113 ms

# Below is generated by plot.py at 2018-11-03 15:20:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 355.36 Mbit/s
95th percentile per-packet one-way delay: 130.179 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 355.36 Mbit/s
95th percentile per-packet one-way delay: 130.179 ms
Loss rate: 0.60%
Run 3: Report of PCC-Expr — Data Link

![Graph showing throughput and packet delay over time for Flow 1 ingress and egress with mean values.

Throughput (Mbps)

- Flow 1 ingress (mean 356.37 Mbps)
- Flow 1 egress (mean 355.36 Mbps)

Delay (ms)

- Flow 1 (95th percentile 130.18 ms)
Run 4: Statistics of PCC-Expr

Start at: 2018-11-03 13:26:22
End at: 2018-11-03 13:26:52
Local clock offset: -0.188 ms
Remote clock offset: -0.068 ms

# Below is generated by plot.py at 2018-11-03 15:20:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 340.94 Mbit/s
95th percentile per-packet one-way delay: 116.072 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 340.94 Mbit/s
95th percentile per-packet one-way delay: 116.072 ms
Loss rate: 0.59%
Run 4: Report of PCC-Expr — Data Link

![Graph of throughput and packet delay](image)

- Flow 1 ingress (mean 341.84 Mbit/s)
- Flow 1 egress (mean 340.94 Mbit/s)

![Graph of packet delay](image)

- Flow 1 (95th percentile 116.67 ms)
Run 5: Statistics of PCC-Expr

Start at: 2018-11-03 13:52:33
End at: 2018-11-03 13:53:03
Local clock offset: -0.108 ms
Remote clock offset: -0.136 ms

# Below is generated by plot.py at 2018-11-03 15:20:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 292.52 Mbit/s
95th percentile per-packet one-way delay: 138.415 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 292.52 Mbit/s
95th percentile per-packet one-way delay: 138.415 ms
Loss rate: 1.16%
Run 5: Report of PCC-Expr — Data Link
Run 1: Statistics of QUIC Cubic

Start at: 2018-11-03 12:04:20
End at: 2018-11-03 12:04:51
Local clock offset: -0.082 ms
Remote clock offset: -0.1 ms
Run 1: Report of QUIC Cubic — Data Link
Run 2: Statistics of QUIC Cubic

Start at: 2018-11-03 12:30:11
End at: 2018-11-03 12:30:41
Local clock offset: -0.121 ms
Remote clock offset: -0.033 ms

# Below is generated by plot.py at 2018-11-03 15:20:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.81 Mbit/s
95th percentile per-packet one-way delay: 47.278 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 45.81 Mbit/s
95th percentile per-packet one-way delay: 47.278 ms
Loss rate: 0.54%
Run 2: Report of QUIC Cubic — Data Link
Run 3: Statistics of QUIC Cubic

Start at: 2018-11-03 12:56:30
End at: 2018-11-03 12:57:00
Local clock offset: -0.132 ms
Remote clock offset: -0.11 ms

# Below is generated by plot.py at 2018-11-03 15:20:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.44 Mbit/s
95th percentile per-packet one-way delay: 47.363 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 63.44 Mbit/s
95th percentile per-packet one-way delay: 47.363 ms
Loss rate: 0.51%
Run 3: Report of QUIC Cubic — Data Link

![Graph of throughput vs time for two data flows.]

Flow 1 ingress (mean 63.56 Mbit/s)  Flow 1 egress (mean 63.44 Mbit/s)

![Graph of packet delay vs time for Flow 1.]

Flow 1 (95th percentile 47.36 ms)
Run 4: Statistics of QUIC Cubic

End at: 2018-11-03 13:23:05
Local clock offset: -0.143 ms
Remote clock offset: -0.072 ms

# Below is generated by plot.py at 2018-11-03 15:20:36
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 63.36 Mbit/s
  95th percentile per-packet one-way delay: 47.252 ms
  Loss rate: 0.55%
-- Flow 1:
  Average throughput: 63.36 Mbit/s
  95th percentile per-packet one-way delay: 47.252 ms
  Loss rate: 0.55%
Run 5: Statistics of QUIC Cubic

End at: 2018-11-03 13:49:17
Local clock offset: -0.463 ms
Remote clock offset: -0.143 ms

# Below is generated by plot.py at 2018-11-03 15:20:36
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 52.70 Mbit/s
  95th percentile per-packet one-way delay: 46.954 ms
  Loss rate: 0.52%
-- Flow 1:
  Average throughput: 52.70 Mbit/s
  95th percentile per-packet one-way delay: 46.954 ms
  Loss rate: 0.52%
Run 5: Report of QUIC Cubic — Data Link
Run 1: Statistics of SCReAM

Start at: 2018-11-03 11:51:21
End at: 2018-11-03 11:51:51
Local clock offset: 0.02 ms
Remote clock offset: -0.058 ms

# Below is generated by plot.py at 2018-11-03 15:20:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.483 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.483 ms
Loss rate: 0.38%
Run 1: Report of SCReAM — Data Link

![Graph showing throughput and delay](image-url)
Run 2: Statistics of SCReAM

Start at: 2018-11-03 12:17:05
End at: 2018-11-03 12:17:35
Local clock offset: 0.285 ms
Remote clock offset: -0.075 ms

# Below is generated by plot.py at 2018-11-03 15:20:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.814 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.814 ms
Loss rate: 0.26%
Run 2: Report of SCReAM — Data Link

---

Throughput (Mbit/s)

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

---

Packet one-way delay (ms)

Flow 1 (95th percentile 47.81 ms)
Run 3: Statistics of SCReAM

Start at: 2018-11-03 12:43:04
End at: 2018-11-03 12:43:34
Local clock offset: 0.247 ms
Remote clock offset: -0.09 ms

# Below is generated by plot.py at 2018-11-03 15:20:36
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 0.22 Mbit/s
  95th percentile per-packet one-way delay: 50.887 ms
  Loss rate: 0.26%
-- Flow 1:
  Average throughput: 0.22 Mbit/s
  95th percentile per-packet one-way delay: 50.887 ms
  Loss rate: 0.26%
Run 3: Report of SCReAM — Data Link
Run 4: Statistics of SCReAM

Start at: 2018-11-03 13:09:28
End at: 2018-11-03 13:09:58
Local clock offset: -0.146 ms
Remote clock offset: -0.083 ms

# Below is generated by plot.py at 2018-11-03 15:20:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.992 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.992 ms
Loss rate: 0.26%
Run 4: Report of SCReAM — Data Link

![Graph of Throughput (Mbps) vs Time (s) showing Flow 1 ingress (mean 0.22 Mbit/s) and Flow 1 egress (mean 0.22 Mbit/s).]

![Graph of Per-Packet One-Way Delay (ms) vs Time (s) showing Flow 1 (95th percentile 49.99 ms).]
Run 5: Statistics of SCReAM

Start at: 2018-11-03 13:35:34
End at: 2018-11-03 13:36:04
Local clock offset: -0.13 ms
Remote clock offset: -0.072 ms

# Below is generated by plot.py at 2018-11-03 15:20:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 46.564 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 46.564 ms
Loss rate: 0.26%
Run 5: 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: Packet Drop Rate vs Time](image2)

* Flow 1 (95th percentile 46.56 ms)
Run 1: Statistics of Sprout

Start at: 2018-11-03 12:09:42
End at: 2018-11-03 12:10:12
Local clock offset: -0.398 ms
Remote clock offset: -0.083 ms

# Below is generated by plot.py at 2018-11-03 15:20:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.55 Mbit/s
95th percentile per-packet one-way delay: 47.398 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 9.55 Mbit/s
95th percentile per-packet one-way delay: 47.398 ms
Loss rate: 0.33%
Run 1: Report of Sprout — Data Link

[Graphs showing throughput and per-packet one-way delay over time]
Run 2: Statistics of Sprout

Start at: 2018-11-03 12:35:35
End at: 2018-11-03 12:36:05
Local clock offset: -0.169 ms
Remote clock offset: -0.088 ms

# Below is generated by plot.py at 2018-11-03 15:20:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.22 Mbit/s
95th percentile per-packet one-way delay: 51.474 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 8.22 Mbit/s
95th percentile per-packet one-way delay: 51.474 ms
Loss rate: 0.41%
Run 2: Report of Sprout — Data Link
Run 3: Statistics of Sprout

Start at: 2018-11-03 13:01:58
End at: 2018-11-03 13:02:28
Local clock offset: -0.118 ms
Remote clock offset: -0.091 ms

# Below is generated by plot.py at 2018-11-03 15:20:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.33 Mbit/s
95th percentile per-packet one-way delay: 51.550 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 8.33 Mbit/s
95th percentile per-packet one-way delay: 51.550 ms
Loss rate: 0.38%
Run 3: Report of Sprout — Data Link

- Throughput (Mbps)
- Time (s)

Flow 1 ingress (mean 8.32 Mbps) vs. Flow 1 egress (mean 8.33 Mbps)

- Packet delay (ms)
- Time (s)

Flow 1 (95th percentile 51.55 ms)
Run 4: Statistics of Sprout

Start at: 2018-11-03 13:28:00
End at: 2018-11-03 13:28:30
Local clock offset: -0.205 ms
Remote clock offset: -0.046 ms

# Below is generated by plot.py at 2018-11-03 15:20:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.55 Mbit/s
95th percentile per-packet one-way delay: 47.058 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 9.55 Mbit/s
95th percentile per-packet one-way delay: 47.058 ms
Loss rate: 0.34%
Run 4: Report of Sprout — Data Link

Throughput (Mbit/s)

Time (s)

Flow 1 ingress (mean 9.55 Mbit/s)  Flow 1 egress (mean 9.55 Mbit/s)

Delay (ms)

Time (s)

Flow 1 (95th percentile 47.06 ms)
Run 5: Statistics of Sprout

Start at: 2018-11-03 13:54:06
End at: 2018-11-03 13:54:36
Local clock offset: -0.069 ms
Remote clock offset: -0.127 ms

# Below is generated by plot.py at 2018-11-03 15:20:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.44 Mbit/s
95th percentile per-packet one-way delay: 47.878 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 9.44 Mbit/s
95th percentile per-packet one-way delay: 47.878 ms
Loss rate: 0.34%
Run 5: Report of Sprout — Data Link

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

- `Flow 1 ingress (mean 9.44 Mbit/s)`
- `Flow 1 egress (mean 9.44 Mbit/s)`

![Graph showing packet delay over time.]

- `Flow 1 (95th percentile 47.88 ms)`
Run 1: Statistics of TaoVA-100x

Start at: 2018-11-03 11:49:52
End at: 2018-11-03 11:50:22
Local clock offset: -0.054 ms
Remote clock offset: -0.095 ms

# Below is generated by plot.py at 2018-11-03 15:25:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 249.38 Mbit/s
95th percentile per-packet one-way delay: 47.331 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 249.38 Mbit/s
95th percentile per-packet one-way delay: 47.331 ms
Loss rate: 0.32%
Run 1: Report of TaoVA-100x — Data Link

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Graph 1: Throughput (Mbps) vs Time (s)

- **Flow 1 ingress** (mean 249.39 Mbps)
- **Flow 1 egress** (mean 249.38 Mbps)

Graph 2: Per-packet delay (ms) vs Time (s)

- **Flow 1** (95th percentile 47.33 ms)
Run 2: Statistics of TaoVA-100x

Start at: 2018-11-03 12:15:35
End at: 2018-11-03 12:16:05
Local clock offset: -0.074 ms
Remote clock offset: -0.064 ms

# Below is generated by plot.py at 2018-11-03 15:26:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 258.37 Mbit/s
95th percentile per-packet one-way delay: 46.590 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 258.37 Mbit/s
95th percentile per-packet one-way delay: 46.590 ms
Loss rate: 0.32%
Run 2: Report of TaoVA-100x — Data Link

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

- **Flow 1 ingress (mean 258.38 Mbit/s)**
- **Flow 1 egress (mean 258.37 Mbit/s)**

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

- **Flow 1 (95th percentile 46.59 ms)**

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Run 3: Statistics of TaoVA-100x

Start at: 2018-11-03 12:41:33
End at: 2018-11-03 12:42:03
Local clock offset: -0.529 ms
Remote clock offset: -0.075 ms

# Below is generated by plot.py at 2018-11-03 15:26:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 254.36 Mbit/s
95th percentile per-packet one-way delay: 47.034 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 254.36 Mbit/s
95th percentile per-packet one-way delay: 47.034 ms
Loss rate: 0.32%
Run 3: Report of TaoVA-100x — Data Link

Throughput (Mbps)

0 5 10 15 20 25 30

Flow 1 ingress (mean 254.37 Mbps)  Flow 1 egress (mean 254.36 Mbps)

Packet error rate

0 5 10 15 20 25 30

Flow 1 (95th percentile 47.03 ms)
Run 4: Statistics of TaoVA-100x

Start at: 2018-11-03 13:07:57
End at: 2018-11-03 13:08:27
Local clock offset: -0.167 ms
Remote clock offset: -0.062 ms

# Below is generated by plot.py at 2018-11-03 15:26:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 252.34 Mbit/s
95th percentile per-packet one-way delay: 51.112 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 252.34 Mbit/s
95th percentile per-packet one-way delay: 51.112 ms
Loss rate: 0.33%
Run 5: Statistics of TaoVA-100x

Start at: 2018-11-03 13:34:04
End at: 2018-11-03 13:34:34
Local clock offset: -0.142 ms
Remote clock offset: -0.078 ms

# Below is generated by plot.py at 2018-11-03 15:27:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 253.27 Mbit/s
95th percentile per-packet one-way delay: 46.638 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 253.27 Mbit/s
95th percentile per-packet one-way delay: 46.638 ms
Loss rate: 0.32%
Run 5: Report of TaoVA-100x — Data Link
Run 1: Statistics of TCP Vegas

Start at: 2018-11-03 11:52:29
End at: 2018-11-03 11:52:59
Local clock offset: 0.001 ms
Remote clock offset: -0.06 ms

# Below is generated by plot.py at 2018-11-03 15:29:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 460.14 Mbit/s
95th percentile per-packet one-way delay: 55.010 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 460.14 Mbit/s
95th percentile per-packet one-way delay: 55.010 ms
Loss rate: 0.20%
Run 1: Report of TCP Vegas — Data Link

---

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Run 2: Statistics of TCP Vegas

Start at: 2018-11-03 12:18:13
End at: 2018-11-03 12:18:43
Local clock offset: -0.027 ms
Remote clock offset: -0.07 ms

# Below is generated by plot.py at 2018-11-03 15:31:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 577.54 Mbit/s
95th percentile per-packet one-way delay: 56.082 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 577.54 Mbit/s
95th percentile per-packet one-way delay: 56.082 ms
Loss rate: 0.34%
Run 2: Report of TCP Vegas — Data Link

![Graph 1: Throughput vs Time]

- Flow 1 ingress (mean 577.65 Mbit/s)
- Flow 1 egress (mean 577.54 Mbit/s)

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

- Flow 1 (95th percentile 56.08 ms)
Run 3: Statistics of TCP Vegas

Start at: 2018-11-03 12:44:11
End at: 2018-11-03 12:44:41
Local clock offset: -0.151 ms
Remote clock offset: ~0.08 ms

# Below is generated by plot.py at 2018-11-03 15:31:13
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 476.87 Mbit/s
  95th percentile per-packet one-way delay: 100.498 ms
  Loss rate: 0.19%
-- Flow 1:
  Average throughput: 476.87 Mbit/s
  95th percentile per-packet one-way delay: 100.498 ms
  Loss rate: 0.19%
Run 3: Report of TCP Vegas — Data Link

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

- **Flow 1 ingress** (mean 476.22 Mbps)
- **Flow 1 egress** (mean 476.87 Mbps)

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

- **Flow 1 (95th percentile 108.50 ms)**
Run 4: Statistics of TCP Vegas

Start at: 2018-11-03 13:10:35
End at: 2018-11-03 13:11:05
Local clock offset: -0.142 ms
Remote clock offset: -0.029 ms

# Below is generated by plot.py at 2018-11-03 15:37:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 573.52 Mbit/s
95th percentile per-packet one-way delay: 71.653 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 573.52 Mbit/s
95th percentile per-packet one-way delay: 71.653 ms
Loss rate: 0.33%
Run 4: Report of TCP Vegas — Data Link

![Graph showing throughput and delay over time for Flow 1]
Run 5: Statistics of TCP Vegas

Start at: 2018-11-03 13:36:42
End at: 2018-11-03 13:37:12
Local clock offset: -0.114 ms
Remote clock offset: -0.069 ms

# Below is generated by plot.py at 2018-11-03 15:38:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 573.97 Mbit/s
95th percentile per-packet one-way delay: 56.435 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 573.97 Mbit/s
95th percentile per-packet one-way delay: 56.435 ms
Loss rate: 0.33%
Run 5: Report of TCP Vegas — Data Link

![Graph 1: Throughput (Mbps)]

- Flow 1 ingress (mean 574.06 Mbps)
- Flow 1 egress (mean 573.97 Mbps)

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

- Flow 1 (95th percentile 56.44 ms)
Run 1: Statistics of Verus

Start at: 2018-11-03 11:53:59
End at: 2018-11-03 11:54:29
Local clock offset: -0.389 ms
Remote clock offset: -0.094 ms

# Below is generated by plot.py at 2018-11-03 15:38:14
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 154.12 Mbit/s
  95th percentile per-packet one-way delay: 104.619 ms
  Loss rate: 0.37%
-- Flow 1:
  Average throughput: 154.12 Mbit/s
  95th percentile per-packet one-way delay: 104.619 ms
  Loss rate: 0.37%
Run 1: Report of Verus — Data Link

![Graph of throughput vs time]

- **Flow 1 ingress (mean 154.20 Mbit/s)**
- **Flow 1 egress (mean 154.12 Mbit/s)**

![Graph of per-packet one-way delay vs time]

- **Flow 1 (95th percentile 104.62 ms)**
Run 2: Statistics of Verus

Start at: 2018-11-03 12:19:48
End at: 2018-11-03 12:20:18
Local clock offset: -0.058 ms
Remote clock offset: -0.02 ms

# Below is generated by plot.py at 2018-11-03 15:38:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 196.48 Mbit/s
95th percentile per-packet one-way delay: 161.603 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 196.48 Mbit/s
95th percentile per-packet one-way delay: 161.603 ms
Loss rate: 0.21%
Run 2: Report of Verus — Data Link

![Graph showing network throughput over time with two lines representing different flows.]

![Graph showing network packet delay over time with a single line representing one flow.]

Flow 1 ingress (mean 196.22 Mbit/s)
Flow 1 egress (mean 196.48 Mbit/s)
Flow 1 (95th percentile 161.60 ms)
Run 3: Statistics of Verus

Start at: 2018-11-03 12:45:42
End at: 2018-11-03 12:46:12
Local clock offset: -0.129 ms
Remote clock offset: -0.122 ms

# Below is generated by plot.py at 2018-11-03 15:38:14
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 171.34 Mbit/s
  95th percentile per-packet one-way delay: 132.878 ms
  Loss rate: 0.52%
-- Flow 1:
  Average throughput: 171.34 Mbit/s
  95th percentile per-packet one-way delay: 132.878 ms
  Loss rate: 0.52%
Run 3: Report of Verus — Data Link
Run 4: Statistics of Verus

Start at: 2018-11-03 13:12:11
End at: 2018-11-03 13:12:41
Local clock offset: -0.222 ms
Remote clock offset: -0.062 ms

# Below is generated by plot.py at 2018-11-03 15:38:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 157.70 Mbit/s
95th percentile per-packet one-way delay: 80.057 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 157.70 Mbit/s
95th percentile per-packet one-way delay: 80.057 ms
Loss rate: 0.48%
Run 4: Report of Verus — Data Link

![Throughput Graph](image1)

- Flow 1 ingress (mean 157.93 Mbit/s)
- Flow 1 egress (mean 157.70 Mbit/s)

![Round-trip Delay Graph](image2)

- Flow 1 (95th percentile 80.06 ms)
Run 5: Statistics of Verus

Start at: 2018-11-03 13:38:18
End at: 2018-11-03 13:38:48
Local clock offset: -0.502 ms
Remote clock offset: -0.099 ms

# Below is generated by plot.py at 2018-11-03 15:38:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 180.20 Mbit/s
95th percentile per-packet one-way delay: 138.349 ms
Loss rate: 0.53%

-- Flow 1:
Average throughput: 180.20 Mbit/s
95th percentile per-packet one-way delay: 138.349 ms
Loss rate: 0.53%
Run 5: Report of Verus — Data Link

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

![Graph 2: Packet Delivery Time](image2)
Run 1: Statistics of PCC-Vivace

Start at: 2018-11-03 11:57:53
End at: 2018-11-03 11:58:23
Local clock offset: -0.064 ms
Remote clock offset: -0.071 ms

# Below is generated by plot.py at 2018-11-03 15:38:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 350.07 Mbit/s
95th percentile per-packet one-way delay: 71.984 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 350.07 Mbit/s
95th percentile per-packet one-way delay: 71.984 ms
Loss rate: 0.18%
Run 1: Report of PCC-Vivace — Data Link

![Graph showing network performance metrics.]

- **Flow 1 ingress (mean 349.58 Mbit/s)**
- **Flow 1 egress (mean 350.07 Mbit/s)**

![Graph showing packet delay.]

- **Flow 1 (95th percentile 71.98 ms)**
Run 2: Statistics of PCC-Vivace

Start at: 2018-11-03 12:23:47
End at: 2018-11-03 12:24:17
Local clock offset: 0.277 ms
Remote clock offset: -0.109 ms

# Below is generated by plot.py at 2018-11-03 15:38:59
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 356.45 Mbit/s
  95th percentile per-packet one-way delay: 69.512 ms
  Loss rate: 0.35%
-- Flow 1:
  Average throughput: 356.45 Mbit/s
  95th percentile per-packet one-way delay: 69.512 ms
  Loss rate: 0.35%
Run 3: Statistics of PCC-Vivace

Start at: 2018-11-03 12:49:59
End at: 2018-11-03 12:50:29
Local clock offset: -0.117 ms
Remote clock offset: -0.08 ms

# Below is generated by plot.py at 2018-11-03 15:40:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 389.69 Mbit/s
95th percentile per-packet one-way delay: 58.532 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 389.69 Mbit/s
95th percentile per-packet one-way delay: 58.532 ms
Loss rate: 0.35%
Run 3: Report of PCC-Vivace — Data Link

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

Flow 1 ing (mean 389.78 Mbit/s), Flow 1 egress (mean 389.69 Mbit/s)

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

Flow 1 (95th percentile 58.53 ms)
Run 4: Statistics of PCC-Vivace

Start at: 2018-11-03 13:16:06
End at: 2018-11-03 13:16:36
Local clock offset: -0.167 ms
Remote clock offset: -0.054 ms

# Below is generated by plot.py at 2018-11-03 15:40:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 342.37 Mbit/s
95th percentile per-packet one-way delay: 51.319 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 342.37 Mbit/s
95th percentile per-packet one-way delay: 51.319 ms
Loss rate: 0.42%
Run 4: Report of PCC-Vivace — Data Link

![Graph showing throughput and packet delay over time for Flow 1. The throughput peaks and troughs are visible, with a steady state in the middle. The packet delay graph shows spikes and a 95th percentile of 51.32 ms.](image-url)
Run 5: Statistics of PCC-Vivace

End at: 2018-11-03 13:42:44
Local clock offset: -0.06 ms
Remote clock offset: -0.098 ms

# Below is generated by plot.py at 2018-11-03 15:40:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 371.02 Mbit/s
95th percentile per-packet one-way delay: 56.744 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 371.02 Mbit/s
95th percentile per-packet one-way delay: 56.744 ms
Loss rate: 0.18%
Run 5: Report of PCC-Vivace — Data Link

![Throughput vs Time Graph]

- **Flow 1 ingress (mean 370.07 Mbit/s)**
- **Flow 1 egress (mean 371.02 Mbit/s)**

![Packet Delay vs Time Graph]

- **Flow 1 (95th percentile 56.74 ms)**
Run 1: Statistics of WebRTC media

Start at: 2018-11-03 12:05:28
End at: 2018-11-03 12:05:58
Local clock offset: -0.058 ms
Remote clock offset: -0.1 ms

# Below is generated by plot.py at 2018-11-03 15:40:02
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 1.53 Mbit/s
  95th percentile per-packet one-way delay: 47.480 ms
  Loss rate: 0.50%
-- Flow 1:
  Average throughput: 1.53 Mbit/s
  95th percentile per-packet one-way delay: 47.480 ms
  Loss rate: 0.50%
Run 1: Report of WebRTC media — Data Link
Run 2: Statistics of WebRTC media

Start at: 2018-11-03 12:31:22
End at: 2018-11-03 12:31:52
Local clock offset: -0.115 ms
Remote clock offset: -0.113 ms

# Below is generated by plot.py at 2018-11-03 15:40:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 47.435 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 47.435 ms
Loss rate: 0.29%
Run 2: Report of WebRTC media — Data Link

![Graph showing throughput and packet per second over time for two flows.](image)

- **Throughput (Mbps)**: Variables for flow 1 ingress and egress.
- **Time (s)**: X-axis ranging from 0 to 30 seconds.
- **Flow 1 ingress (mean 2.17 Mbps)**
- **Flow 1 egress (mean 2.17 Mbps)**

![Graph showing packet per second over time for flow 1.](image)

- **Per packet one way delay (ms)**: Data points indicating 95th percentile at 47.44 ms.
Run 3: Statistics of WebRTC media

Start at: 2018-11-03 12:57:42
End at: 2018-11-03 12:58:12
Local clock offset: -0.141 ms
Remote clock offset: -0.082 ms

# Below is generated by plot.py at 2018-11-03 15:40:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 47.508 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 47.508 ms
Loss rate: 0.38%
Run 3: Report of WebRTC media — Data Link

- Throughput (Mbps)
- Time (s)
- Flow 1 ingress (mean 1.98 Mbit/s)
- Flow 1 egress (mean 1.98 Mbit/s)

- Delay (ms)
- Flow 1 (95th percentile 47.51 ms)
Run 4: Statistics of WebRTC media

Start at: 2018-11-03 13:23:46
End at: 2018-11-03 13:24:16
Local clock offset: -0.185 ms
Remote clock offset: -0.059 ms

# Below is generated by plot.py at 2018-11-03 15:40:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.65 Mbit/s
95th percentile per-packet one-way delay: 46.722 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 1.65 Mbit/s
95th percentile per-packet one-way delay: 46.722 ms
Loss rate: 0.41%
Run 4: Report of WebRTC media — Data Link

![Graph of throughput (Mbps) vs. time (s) for Flow 1 ingress (mean 1.66 Mbps) and Flow 1 egress (mean 1.65 Mbps).]

![Graph of per-packet one-way delay (ms) vs. time (s) for Flow 1 (95th percentile 46.72 ms).]
Run 5: Statistics of WebRTC media

End at: 2018-11-03 13:50:28
Local clock offset: -0.049 ms
Remote clock offset: -0.135 ms

# Below is generated by plot.py at 2018-11-03 15:40:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 46.745 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 46.745 ms
Loss rate: 0.29%
Run 5: Report of WebRTC media — Data Link