Pantheon Report

Generated at 2018-06-07 16:25:16 (UTC).
Data path: GCE Tokyo Ethernet (remote) → GCE Sydney Ethernet (local).
Repeated the test of 16 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
NTP offsets were measured against time.google.com and have been applied
to correct the timestamps in logs.

Git summary:
branch: master @ 227fdf9a3757f17b88537cceed5743a33037a3d2
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4a9d58d38dc4dfe0edbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb73cf3
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8ac08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cfff2
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3db2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ c838669682f0c19f6baf92ac9a596a406d48c1f
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
test from GCE Tokyo to GCE Sydney, 10 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>10</td>
<td>220.52</td>
<td>52.94</td>
<td>0.28</td>
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<td>Copa</td>
<td>10</td>
<td>171.22</td>
<td>56.34</td>
<td>0.49</td>
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<td>TCP Cubic</td>
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<td>196.44</td>
<td>56.86</td>
<td>0.39</td>
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<tr>
<td>FillP</td>
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<td>776.47</td>
<td>192.79</td>
<td>1.44</td>
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<td>Indigo</td>
<td>10</td>
<td>212.61</td>
<td>49.87</td>
<td>0.35</td>
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<tr>
<td>LEDBAT</td>
<td>10</td>
<td>30.85</td>
<td>51.18</td>
<td>0.72</td>
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<td>PCC-Allegro</td>
<td>10</td>
<td>511.88</td>
<td>157.94</td>
<td>1.85</td>
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<td>PCC-Expr</td>
<td>10</td>
<td>178.59</td>
<td>81.89</td>
<td>0.91</td>
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<tr>
<td>QUIC Cubic</td>
<td>10</td>
<td>67.04</td>
<td>52.39</td>
<td>0.51</td>
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<tr>
<td>SCReAM</td>
<td>10</td>
<td>0.21</td>
<td>52.26</td>
<td>0.34</td>
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<td>Sprout</td>
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<td>6.46</td>
<td>51.10</td>
<td>0.34</td>
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<tr>
<td>TaoVA-100x</td>
<td>9</td>
<td>117.41</td>
<td>52.19</td>
<td>0.14</td>
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<td>TCP Vegas</td>
<td>10</td>
<td>137.98</td>
<td>53.23</td>
<td>0.31</td>
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<tr>
<td>Verus</td>
<td>10</td>
<td>253.67</td>
<td>119.80</td>
<td>0.55</td>
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<tr>
<td>PCC-Vivace</td>
<td>10</td>
<td>376.80</td>
<td>61.59</td>
<td>0.36</td>
</tr>
<tr>
<td>WebRTC media</td>
<td>10</td>
<td>1.91</td>
<td>53.07</td>
<td>0.42</td>
</tr>
</tbody>
</table>
Run 1: Statistics of TCP BBR

End at: 2018-06-07 11:43:01
Local clock offset: 0.367 ms
Remote clock offset: -0.023 ms

# Below is generated by plot.py at 2018-06-07 15:04:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 216.93 Mbit/s
95th percentile per-packet one-way delay: 50.881 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 216.93 Mbit/s
95th percentile per-packet one-way delay: 50.881 ms
Loss rate: 0.34%
Run 1: Report of TCP BBR — Data Link

![Graph 1](image1)

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

Start at: 2018-06-07 12:02:55
End at: 2018-06-07 12:03:25
Local clock offset: -0.174 ms
Remote clock offset: 0.248 ms

# Below is generated by plot.py at 2018-06-07 15:04:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 220.64 Mbit/s
95th percentile per-packet one-way delay: 50.266 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 220.64 Mbit/s
95th percentile per-packet one-way delay: 50.266 ms
Loss rate: 0.34%
Run 2: Report of TCP BBR — Data Link
Run 3: Statistics of TCP BBR

End at: 2018-06-07 12:24:01
Local clock offset: -0.254 ms
Remote clock offset: 0.003 ms

# Below is generated by plot.py at 2018-06-07 15:04:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 221.73 Mbit/s
95th percentile per-packet one-way delay: 51.236 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 221.73 Mbit/s
95th percentile per-packet one-way delay: 51.236 ms
Loss rate: 0.34%
Run 3: Report of TCP BBR — Data Link

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

- Flow 1 ingress (mean 221.69 Mbps)
- Flow 1 egress (mean 221.73 Mbps)

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

- Flow 1 (95th percentile 51.24 ms)
Run 4: Statistics of TCP BBR

Start at: 2018-06-07 12:43:21
End at: 2018-06-07 12:43:51
Local clock offset: -0.403 ms
Remote clock offset: -0.119 ms

# Below is generated by plot.py at 2018-06-07 15:04:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 216.67 Mbit/s
95th percentile per-packet one-way delay: 54.671 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 216.67 Mbit/s
95th percentile per-packet one-way delay: 54.671 ms
Loss rate: 0.04%
Run 4: Report of TCP BBR — Data Link

![Throughput Chart](chart1.png)

![Per-packet one-way delay Chart](chart2.png)
Run 5: Statistics of TCP BBR

Start at: 2018-06-07 13:03:25
End at: 2018-06-07 13:03:55
Local clock offset: -0.313 ms
Remote clock offset: -0.109 ms

# Below is generated by plot.py at 2018-06-07 15:04:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 219.93 Mbit/s
95th percentile per-packet one-way delay: 52.409 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 219.93 Mbit/s
95th percentile per-packet one-way delay: 52.409 ms
Loss rate: 0.34%
Run 5: Report of TCP BBR — Data Link
Run 6: Statistics of TCP BBR

Local clock offset: -0.165 ms
Remote clock offset: 0.117 ms

# Below is generated by plot.py at 2018-06-07 15:04:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 221.74 Mbit/s
95th percentile per-packet one-way delay: 55.891 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 221.74 Mbit/s
95th percentile per-packet one-way delay: 55.891 ms
Loss rate: 0.37%
Run 6: Report of TCP BBR — Data Link

![Graph showing throughput and packet delay over time]

- **Throughput (mbps)**
- **Time (s)**
- **Flow 1 ingress (mean 221.76 Mbit/s)**
- **Flow 1 egress (mean 221.74 Mbit/s)**

![Graph showing packet delay over time]

- **Pkt-packet one-way delay (ms)**
- **Flow 1 (95th percentile 55.89 ms)**

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Run 7: Statistics of TCP BBR

End at: 2018-06-07 13:44:26
Local clock offset: 0.195 ms
Remote clock offset: 0.039 ms

# Below is generated by plot.py at 2018-06-07 15:04:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 221.32 Mbit/s
95th percentile per-packet one-way delay: 51.167 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 221.32 Mbit/s
95th percentile per-packet one-way delay: 51.167 ms
Loss rate: 0.35%
Run 7: Report of TCP BBR — Data Link

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

- Flow 1 ingress (mean 221.29 Mbps)
- Flow 1 egress (mean 221.32 Mbps)

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

- Flow 1 (95th percentile 51.17 ms)
Run 8: Statistics of TCP BBR

Start at: 2018-06-07 14:03:58
End at: 2018-06-07 14:04:29
Local clock offset: 0.221 ms
Remote clock offset: 0.054 ms

# Below is generated by plot.py at 2018-06-07 15:04:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 223.64 Mbit/s
95th percentile per-packet one-way delay: 53.605 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 223.64 Mbit/s
95th percentile per-packet one-way delay: 53.605 ms
Loss rate: 0.35%
Run 8: Report of TCP BBR — Data Link

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

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

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Run 9: Statistics of TCP BBR

Start at: 2018-06-07 14:24:17
End at: 2018-06-07 14:24:47
Local clock offset: -0.204 ms
Remote clock offset: 0.626 ms

# Below is generated by plot.py at 2018-06-07 15:07:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 217.80 Mbit/s
95th percentile per-packet one-way delay: 53.653 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 217.80 Mbit/s
95th percentile per-packet one-way delay: 53.653 ms
Loss rate: 0.00%
Run 9: Report of TCP BBR — Data Link
Run 10: Statistics of TCP BBR

Start at: 2018-06-07 14:45:13
End at: 2018-06-07 14:45:43
Local clock offset: 0.192 ms
Remote clock offset: 0.445 ms

# Below is generated by plot.py at 2018-06-07 15:08:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 224.80 Mbit/s
95th percentile per-packet one-way delay: 55.640 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 224.80 Mbit/s
95th percentile per-packet one-way delay: 55.640 ms
Loss rate: 0.36%
Run 10: Report of TCP BBR — Data Link
Run 1: Statistics of Copa

End at: 2018-06-07 11:46:41
Local clock offset: 0.229 ms
Remote clock offset: 0.049 ms

# Below is generated by plot.py at 2018-06-07 15:10:51
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 202.65 Mbit/s
  95th percentile per-packet one-way delay: 61.740 ms
  Loss rate: 0.46%
-- Flow 1:
  Average throughput: 202.65 Mbit/s
  95th percentile per-packet one-way delay: 61.740 ms
  Loss rate: 0.46%
Run 1: Report of Copa — Data Link
Run 2: Statistics of Copa

Start at: 2018-06-07 12:06:38
End at: 2018-06-07 12:07:08
Local clock offset: -0.03 ms
Remote clock offset: 0.029 ms

# Below is generated by plot.py at 2018-06-07 15:11:11
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 208.60 Mbit/s
  95th percentile per-packet one-way delay: 55.138 ms
  Loss rate: 0.53%
-- Flow 1:
  Average throughput: 208.60 Mbit/s
  95th percentile per-packet one-way delay: 55.138 ms
  Loss rate: 0.53%
Run 2: Report of Copa — Data Link
Run 3: Statistics of Copa

End at: 2018-06-07 12:27:44
Local clock offset: -0.144 ms
Remote clock offset: 0.058 ms

# Below is generated by plot.py at 2018-06-07 15:11:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 141.38 Mbit/s
95th percentile per-packet one-way delay: 55.120 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 141.38 Mbit/s
95th percentile per-packet one-way delay: 55.120 ms
Loss rate: 0.12%
Run 3: Report of Copa — Data Link

![Graph of throughput and latency over time for two data flow types: ingress and egress. The graph shows variations in throughput and latency throughout the interval.]

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The graphs illustrate the rate of data transfer and network latency over time for two data flow types: ingress and egress. The throughput is measured in Mbit/s, and the latency is measured in milliseconds. The graphs demonstrate the fluctuating nature of network performance during the monitored interval.
Run 4: Statistics of Copa

Start at: 2018-06-07 12:47:03
End at: 2018-06-07 12:47:33
Local clock offset: ~0.123 ms
Remote clock offset: 0.157 ms

# Below is generated by plot.py at 2018-06-07 15:11:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.18 Mbit/s
95th percentile per-packet one-way delay: 53.551 ms
Loss rate: 1.68%
-- Flow 1:
Average throughput: 58.18 Mbit/s
95th percentile per-packet one-way delay: 53.551 ms
Loss rate: 1.68%
Run 4: Report of Copa — Data Link

![Graph showing network performance metrics over time. The graph displays throughput and packet one-way delay for Flow 1 ingress and egress, with a focus on mean and 95th percentile values.]
Run 5: Statistics of Copa

Start at: 2018-06-07 13:07:05
End at: 2018-06-07 13:07:35
Local clock offset: -1.769 ms
Remote clock offset: 0.17 ms

# Below is generated by plot.py at 2018-06-07 15:11:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 126.79 Mbit/s
95th percentile per-packet one-way delay: 51.808 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 126.79 Mbit/s
95th percentile per-packet one-way delay: 51.808 ms
Loss rate: 0.78%
Run 5: Report of Copa — Data Link

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

Throughput (Mb/s)

Flow 1 ingress (mean 127.33 Mb/s) | Flow 1 egress (mean 126.79 Mb/s)

Packet delay (ms)

Flow 1 (95th percentile 51.81 ms)
Run 6: Statistics of Copa

End at: 2018-06-07 13:27:40
Local clock offset: -0.188 ms
Remote clock offset: -0.115 ms

# Below is generated by plot.py at 2018-06-07 15:13:48
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 284.91 Mbit/s
  95th percentile per-packet one-way delay: 64.610 ms
  Loss rate: 0.34%
-- Flow 1:
  Average throughput: 284.91 Mbit/s
  95th percentile per-packet one-way delay: 64.610 ms
  Loss rate: 0.34%
Run 6: Report of Copa — Data Link

![Graph 1: Throughput (Mbps)]

- **Flow 1 ingress** (mean 284.91 Mbit/s)
- **Flow 1 egress** (mean 284.91 Mbit/s)

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

- **Flow 1** (95th percentile 64.61 ms)
Run 7: Statistics of Copa

Local clock offset: 0.088 ms
Remote clock offset: 0.146 ms

# Below is generated by plot.py at 2018-06-07 15:13:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.81 Mbit/s
95th percentile per-packet one-way delay: 53.641 ms
Loss rate: 0.12%

-- Flow 1:
Average throughput: 46.81 Mbit/s
95th percentile per-packet one-way delay: 53.641 ms
Loss rate: 0.12%
Run 7: Report of Copa — Data Link

![Run 7 Data Link Chart]

- Flow 1 ingress (mean 46.74 Mbit/s) vs. Flow 1 egress (mean 46.81 Mbit/s)

![Run 7 Packet Delay Chart]

- Flow 1 95th percentile 53.64 ms
Run 8: Statistics of Copa

Start at: 2018-06-07 14:07:43
End at: 2018-06-07 14:08:13
Local clock offset: -0.196 ms
Remote clock offset: 0.117 ms

# Below is generated by plot.py at 2018-06-07 15:16:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 260.93 Mbit/s
95th percentile per-packet one-way delay: 56.420 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 260.93 Mbit/s
95th percentile per-packet one-way delay: 56.420 ms
Loss rate: 0.18%
Run 8: Report of Copa — Data Link
Run 9: Statistics of Copa

Start at: 2018-06-07 14:28:00
End at: 2018-06-07 14:28:30
Local clock offset: -0.049 ms
Remote clock offset: 0.571 ms

# Below is generated by plot.py at 2018-06-07 15:16:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 260.68 Mbit/s
95th percentile per-packet one-way delay: 57.512 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 260.68 Mbit/s
95th percentile per-packet one-way delay: 57.512 ms
Loss rate: 0.06%
Run 9: Report of Copa — Data Link
Run 10: Statistics of Copa

Start at: 2018-06-07 14:48:58
End at: 2018-06-07 14:49:28
Local clock offset: -0.055 ms
Remote clock offset: 1.0 ms

# Below is generated by plot.py at 2018-06-07 15:16:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 121.25 Mbit/s
95th percentile per-packet one-way delay: 53.872 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 121.25 Mbit/s
95th percentile per-packet one-way delay: 53.872 ms
Loss rate: 0.67%
Run 10: Report of Copa — Data Link

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

- **Throughput Graph**: 
  - Solid line: Flow 1 egress (mean 121.25 Mbit/s)
  - Dashed line: Flow 1 ingress (mean 121.66 Mbit/s)

- **Packet Delay Graph**: 
  - Flow 1 (95th percentile 53.87 ms)
Run 1: Statistics of TCP Cubic

Start at: 2018-06-07 11:28:10
End at: 2018-06-07 11:28:40
Local clock offset: -1.63 ms
Remote clock offset: -0.029 ms

# Below is generated by plot.py at 2018-06-07 15:16:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 225.73 Mbit/s
95th percentile per-packet one-way delay: 55.769 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 225.73 Mbit/s
95th percentile per-packet one-way delay: 55.769 ms
Loss rate: 0.39%
Run 1: Report of TCP Cubic — Data Link

![Graph showing throughput and packet delay over time for flow 1 with mean 225.83 Mbit/s for ingress and 225.73 Mbit/s for egress.](image1)

![Graph showing packet delay over time for flow 1 with 95th percentile 55.77 ms.](image2)
Run 2: Statistics of TCP Cubic

End at: 2018-06-07 11:49:12
Local clock offset: -0.339 ms
Remote clock offset: 0.349 ms

# Below is generated by plot.py at 2018-06-07 15:16:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 180.35 Mbit/s
95th percentile per-packet one-way delay: 56.942 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 180.35 Mbit/s
95th percentile per-packet one-way delay: 56.942 ms
Loss rate: 0.16%
Run 2: Report of TCP Cubic — Data Link

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

- **Throughput (Mbps):**
  - **Flow 1 ingress** (mean 179.97 Mbps)
  - **Flow 1 egress** (mean 180.35 Mbps)

- **Round trip time (ms):**
  - **Flow 1 (95th percentile 56.94 ms)**
Run 3: Statistics of TCP Cubic

Start at: 2018-06-07 12:09:10
End at: 2018-06-07 12:09:40
Local clock offset: -0.195 ms
Remote clock offset: 0.101 ms

# Below is generated by plot.py at 2018-06-07 15:16:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 231.42 Mbit/s
95th percentile per-packet one-way delay: 56.809 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 231.42 Mbit/s
95th percentile per-packet one-way delay: 56.809 ms
Loss rate: 0.36%
Run 3: Report of TCP Cubic — Data Link

![Graph 1: Throughput vs Time](image1)
- Flow 1 ingress (mean 231.56 Mbit/s)
- Flow 1 egress (mean 231.42 Mbit/s)

![Graph 2: End-to-End Delay vs Time](image2)
- Flow 1 (95th percentile 56.81 ms)
Run 4: Statistics of TCP Cubic

Start at: 2018-06-07 12:29:40
End at: 2018-06-07 12:30:10
Local clock offset: -0.305 ms
Remote clock offset: -0.317 ms

# Below is generated by plot.py at 2018-06-07 15:16:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 161.45 Mbit/s
95th percentile per-packet one-way delay: 56.722 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 161.45 Mbit/s
95th percentile per-packet one-way delay: 56.722 ms
Loss rate: 0.50%
Run 4: Report of TCP Cubic — Data Link
Run 5: Statistics of TCP Cubic

Local clock offset: -1.721 ms
Remote clock offset: 0.118 ms

# Below is generated by plot.py at 2018-06-07 15:16:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 226.85 Mbit/s
95th percentile per-packet one-way delay: 55.559 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 226.85 Mbit/s
95th percentile per-packet one-way delay: 55.559 ms
Loss rate: 0.37%
Run 5: Report of TCP Cubic — Data Link

![Graph 1: Throughput](image1)

- **Flow 1 ingress** (mean 226.89 Mbit/s)
- **Flow 1 egress** (mean 226.85 Mbit/s)

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

- **Flow 1** (95th percentile 55.56 ms)
Run 6: Statistics of TCP Cubic

Start at: 2018-06-07 13:09:30
End at: 2018-06-07 13:10:00
Local clock offset: -0.401 ms
Remote clock offset: -0.259 ms

# Below is generated by plot.py at 2018-06-07 15:16:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 162.82 Mbit/s
95th percentile per-packet one-way delay: 57.050 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 162.82 Mbit/s
95th percentile per-packet one-way delay: 57.050 ms
Loss rate: 0.50%
Run 6: Report of TCP Cubic — Data Link

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

![Graph of Round-Trip Time vs. Time](image2)
Run 7: Statistics of TCP Cubic

End at: 2018-06-07 13:30:19
Local clock offset: -0.135 ms
Remote clock offset: -0.478 ms

# Below is generated by plot.py at 2018-06-07 15:16:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 215.71 Mbit/s
95th percentile per-packet one-way delay: 57.686 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 215.71 Mbit/s
95th percentile per-packet one-way delay: 57.686 ms
Loss rate: 0.20%
Run 7: Report of TCP Cubic — Data Link

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

Flow 1 ingress (mean 215.39 Mbit/s)  
Flow 1 egress (mean 215.71 Mbit/s)

Flow 1 (95th percentile 57.69 ms)
Run 8: Statistics of TCP Cubic

End at: 2018-06-07 13:50:27
Local clock offset: 0.139 ms
Remote clock offset: -0.003 ms

# Below is generated by plot.py at 2018-06-07 15:16:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 152.07 Mbit/s
95th percentile per-packet one-way delay: 57.526 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 152.07 Mbit/s
95th percentile per-packet one-way delay: 57.526 ms
Loss rate: 0.57%
Run 8: Report of TCP Cubic — Data Link

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

- Flow 1 ingress (mean 152.42 Mbps)
- Flow 1 egress (mean 152.07 Mbps)

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

- Flow 1 (95th percentile 57.53 ms)
Run 9: Statistics of TCP Cubic

Start at: 2018-06-07 14:10:20
End at: 2018-06-07 14:10:50
Local clock offset: -0.021 ms
Remote clock offset: 0.331 ms

# Below is generated by plot.py at 2018-06-07 15:17:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 180.14 Mbit/s
95th percentile per-packet one-way delay: 57.442 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 180.14 Mbit/s
95th percentile per-packet one-way delay: 57.442 ms
Loss rate: 0.46%
Run 9: Report of TCP Cubic — Data Link

![Graph depicting throughput and packet delay over time for Flow 1 ingress and egress.]

- Flow 1 ingress (mean 180.37 Mbit/s)
- Flow 1 egress (mean 180.14 Mbit/s)

![Graph showing per packet one way delay.]

- Flow 1 (95th percentile 57.44 ms)
Run 10: Statistics of TCP Cubic

Start at: 2018-06-07 14:30:37
End at: 2018-06-07 14:31:07
Local clock offset: -0.17 ms
Remote clock offset: 0.789 ms

# Below is generated by plot.py at 2018-06-07 15:18:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 227.83 Mbit/s
95th percentile per-packet one-way delay: 57.080 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 227.83 Mbit/s
95th percentile per-packet one-way delay: 57.080 ms
Loss rate: 0.37%
Run 10: Report of TCP Cubic — Data Link
Run 1: Statistics of FillP

Start at: 2018-06-07 11:37:07
End at: 2018-06-07 11:37:37
Local clock offset: 0.098 ms
Remote clock offset: -0.001 ms

# Below is generated by plot.py at 2018-06-07 15:32:52
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 811.88 Mbit/s
  95th percentile per-packet one-way delay: 131.405 ms
  Loss rate: 2.65%
-- Flow 1:
  Average throughput: 811.88 Mbit/s
  95th percentile per-packet one-way delay: 131.405 ms
  Loss rate: 2.65%
Run 1: Report of FillP — Data Link

![Graph of Throughput over Time](image1)

- Flow 1 ingress (mean 830.99 Mbit/s)
- Flow 1 egress (mean 811.88 Mbit/s)

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

- Flow 1 (95th percentile 131.41 ms)
Run 2: Statistics of FillP

Start at: 2018-06-07 11:57:35
End at: 2018-06-07 11:58:05
Local clock offset: -1.709 ms
Remote clock offset: 0.152 ms

# Below is generated by plot.py at 2018-06-07 15:32:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 706.44 Mbit/s
95th percentile per-packet one-way delay: 234.520 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 706.44 Mbit/s
95th percentile per-packet one-way delay: 234.520 ms
Loss rate: 0.95%
Run 2: Report of FillP — Data Link
Run 3: Statistics of FillP

Start at: 2018-06-07 12:18:09
End at: 2018-06-07 12:18:39
Local clock offset: 0.336 ms
Remote clock offset: -0.343 ms

# Below is generated by plot.py at 2018-06-07 15:32:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 761.58 Mbit/s
95th percentile per-packet one-way delay: 207.570 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 761.58 Mbit/s
95th percentile per-packet one-way delay: 207.570 ms
Loss rate: 1.35%
Run 3: Report of FillP — Data Link

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

- **Flow 1 ingress** (mean 769.43 Mbit/s)
- **Flow 1 egress** (mean 761.58 Mbit/s)

![Graph of Latency (ms)](image)

- Flow 1 (95th percentile 207.57 ms)
Run 4: Statistics of FillP

Start at: 2018-06-07 12:38:05
End at: 2018-06-07 12:38:35
Local clock offset: -1.563 ms
Remote clock offset: -0.045 ms

# Below is generated by plot.py at 2018-06-07 15:32:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 618.97 Mbit/s
95th percentile per-packet one-way delay: 193.345 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 618.97 Mbit/s
95th percentile per-packet one-way delay: 193.345 ms
Loss rate: 0.07%
Run 4: Report of FillP — Data Link

Throughput (Mbps):

- Flow 1 ingress (mean 617.16 Mbps)
- Flow 1 egress (mean 618.97 Mbps)

Packet round trip delay (ms):

- Flow 1 (95th percentile 193.34 ms)
Run 5: Statistics of FillP

Start at: 2018-06-07 12:58:02
End at: 2018-06-07 12:58:32
Local clock offset: -0.064 ms
Remote clock offset: 0.229 ms

# Below is generated by plot.py at 2018-06-07 15:33:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 813.73 Mbit/s
95th percentile per-packet one-way delay: 188.710 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 813.73 Mbit/s
95th percentile per-packet one-way delay: 188.710 ms
Loss rate: 1.88%
Run 5: Report of FillP — Data Link

Throughput (Mb/s) vs Time (s)

Flow 1 ingress (mean 826.46 Mb/s)  Flow 1 egress (mean 813.73 Mb/s)

Per packet one way delay (ms)

Flow 1 (95th percentile 188.71 ms)
Run 6: Statistics of FillP

Start at: 2018-06-07 13:18:05
End at: 2018-06-07 13:18:35
Local clock offset: -0.317 ms
Remote clock offset: -0.017 ms

# Below is generated by plot.py at 2018-06-07 15:33:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 746.52 Mbit/s
95th percentile per-packet one-way delay: 198.068 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 746.52 Mbit/s
95th percentile per-packet one-way delay: 198.068 ms
Loss rate: 1.08%
Run 6: Report of FillP — Data Link

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

- Flow 1 ingress (mean 752.04 Mbits)
- Flow 1 egress (mean 746.52 Mbits)

![Graph showing per-packet one-way delay (ms) over time for Flow 1.](image-url)

- Flow 1 (95th percentile: 198.07 ms)
Run 7: Statistics of FillP

End at: 2018-06-07 13:38:57
Local clock offset: -0.16 ms
Remote clock offset: -0.246 ms

# Below is generated by plot.py at 2018-06-07 15:35:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 855.34 Mbit/s
95th percentile per-packet one-way delay: 205.985 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 855.34 Mbit/s
95th percentile per-packet one-way delay: 205.985 ms
Loss rate: 1.43%
Run 7: Report of FillP — Data Link

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

- Flow 1 ingress (mean 864.64 Mbit/s)
- Flow 1 egress (mean 855.34 Mbit/s)

Flow 1 (95th percentile 205.99 ms)
Run 8: Statistics of FillP

End at: 2018-06-07 13:59:05
Local clock offset: -0.144 ms
Remote clock offset: -0.198 ms

# Below is generated by plot.py at 2018-06-07 15:36:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 830.02 Mbit/s
95th percentile per-packet one-way delay: 182.959 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 830.02 Mbit/s
95th percentile per-packet one-way delay: 182.959 ms
Loss rate: 0.61%
Run 8: Report of FillP — Data Link

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

- **Flow 1 ingress** (mean 832.15 Mbps)
- **Flow 1 egress** (mean 830.02 Mbps)

![Graph 2: Per Packet End-to-End Delay vs Time (ms)](image2)

- **Flow 1** (95th percentile 182.96 ms)
Run 9: Statistics of FillP

Start at: 2018-06-07 14:18:54
End at: 2018-06-07 14:19:24
Local clock offset: -0.164 ms
Remote clock offset: 0.749 ms

# Below is generated by plot.py at 2018-06-07 15:46:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 801.07 Mbit/s
95th percentile per-packet one-way delay: 189.702 ms
Loss rate: 2.04%
-- Flow 1:
Average throughput: 801.07 Mbit/s
95th percentile per-packet one-way delay: 189.702 ms
Loss rate: 2.04%
Run 9: Report of FillP — Data Link

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

- Flow 1 ingress (mean 814.95 Mbps)
- Flow 1 egress (mean 801.07 Mbps)

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

- Flow 1 (95th percentile 189.70 ms)
Run 10: Statistics of FillP

Start at: 2018-06-07 14:39:47
End at: 2018-06-07 14:40:17
Local clock offset: 0.07 ms
Remote clock offset: 0.521 ms

# Below is generated by plot.py at 2018-06-07 15:49:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 819.16 Mbit/s
95th percentile per-packet one-way delay: 195.626 ms
Loss rate: 2.39%
-- Flow 1:
Average throughput: 819.16 Mbit/s
95th percentile per-packet one-way delay: 195.626 ms
Loss rate: 2.39%
Run 10: Report of FillP — Data Link

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

**Throughput (Mbps)**
- Flow 1 ingress (mean 836.17 Mbps)
- Flow 1 egress (mean 819.16 Mbps)

**Per-packet one-way delay (ms)**
- Flow 1 (95th percentile 195.63 ms)
Run 1: Statistics of Indigo

End at: 2018-06-07 11:41:43
Local clock offset: -0.396 ms
Remote clock offset: 0.205 ms

# Below is generated by plot.py at 2018-06-07 15:49:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 217.59 Mbit/s
95th percentile per-packet one-way delay: 49.594 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 217.59 Mbit/s
95th percentile per-packet one-way delay: 49.594 ms
Loss rate: 0.34%
Run 1: Report of Indigo — Data Link

![Graph of throughput over time]

Throughput (Mbps)

Time (s)

Flow 1 ingress (mean 217.56 Mbit/s) — Flow 1 egress (mean 217.59 Mbit/s)

![Graph of packet delay over time]

Packet delay (ms)

Time (s)

Flow 1 (95th percentile 49.59 ms)
Run 2: Statistics of Indigo

Start at: 2018-06-07 12:01:37
End at: 2018-06-07 12:02:07
Local clock offset: -0.211 ms
Remote clock offset: -0.072 ms

# Below is generated by plot.py at 2018-06-07 15:49:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 202.84 Mbit/s
95th percentile per-packet one-way delay: 49.932 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 202.84 Mbit/s
95th percentile per-packet one-way delay: 49.932 ms
Loss rate: 0.34%
Run 2: Report of Indigo — Data Link

![Graph showing network performance metrics over time.](image-url)
Run 3: Statistics of Indigo

Local clock offset: -0.393 ms
Remote clock offset: 0.258 ms

# Below is generated by plot.py at 2018-06-07 15:49:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 221.10 Mbit/s
95th percentile per-packet one-way delay: 49.579 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 221.10 Mbit/s
95th percentile per-packet one-way delay: 49.579 ms
Loss rate: 0.33%
Run 3: Report of Indigo — Data Link

[Graphs showing throughput and packet delay over time]
Run 4: Statistics of Indigo

Start at: 2018-06-07 12:42:02
End at: 2018-06-07 12:42:32
Local clock offset: -0.44 ms
Remote clock offset: 0.175 ms

# Below is generated by plot.py at 2018-06-07 15:49:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 216.02 Mbit/s
95th percentile per-packet one-way delay: 49.699 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 216.02 Mbit/s
95th percentile per-packet one-way delay: 49.699 ms
Loss rate: 0.33%
Run 4: Report of Indigo — Data Link
Run 5: Statistics of Indigo

Start at: 2018-06-07 13:02:08
End at: 2018-06-07 13:02:38
Local clock offset: -0.411 ms
Remote clock offset: 0.017 ms

# Below is generated by plot.py at 2018-06-07 15:49:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 191.36 Mbit/s
95th percentile per-packet one-way delay: 49.764 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 191.36 Mbit/s
95th percentile per-packet one-way delay: 49.764 ms
Loss rate: 0.36%
Run 5: Report of Indigo — Data Link
Run 6: Statistics of Indigo

Local clock offset: -0.305 ms
Remote clock offset: -0.053 ms

# Below is generated by plot.py at 2018-06-07 15:49:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 214.99 Mbit/s
95th percentile per-packet one-way delay: 49.906 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 214.99 Mbit/s
95th percentile per-packet one-way delay: 49.906 ms
Loss rate: 0.33%
Run 6: Report of Indigo — Data Link
Run 7: Statistics of Indigo

End at: 2018-06-07 13:43:06
Local clock offset: -0.164 ms
Remote clock offset: -0.154 ms

# Below is generated by plot.py at 2018-06-07 15:49:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 235.62 Mbit/s
95th percentile per-packet one-way delay: 50.111 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 235.62 Mbit/s
95th percentile per-packet one-way delay: 50.111 ms
Loss rate: 0.32%
Run 7: Report of Indigo — Data Link

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

- Flow 1 ingress (mean 235.56 Mbit/s)
- Flow 1 egress (mean 235.62 Mbit/s)

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

- Flow 1 (95th percentile 50.11 ms)
Run 8: Statistics of Indigo

Start at: 2018-06-07 14:02:40
End at: 2018-06-07 14:03:10
Local clock offset: -0.311 ms
Remote clock offset: 0.178 ms

# Below is generated by plot.py at 2018-06-07 15:49:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 214.62 Mbit/s
95th percentile per-packet one-way delay: 49.965 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 214.62 Mbit/s
95th percentile per-packet one-way delay: 49.965 ms
Loss rate: 0.41%
Run 8: Report of Indigo — Data Link

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

- Flow 1 ingress (mean 214.85 Mbit/s)
- Flow 1 egress (mean 214.62 Mbit/s)
Run 9: Statistics of Indigo

End at: 2018-06-07 14:23:29
Local clock offset: -0.266 ms
Remote clock offset: 0.504 ms

# Below is generated by plot.py at 2018-06-07 15:49:32
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 194.33 Mbit/s
  95th percentile per-packet one-way delay: 49.995 ms
  Loss rate: 0.38%
-- Flow 1:
  Average throughput: 194.33 Mbit/s
  95th percentile per-packet one-way delay: 49.995 ms
  Loss rate: 0.38%
Run 9: Report of Indigo — Data Link

![Graph showing data link throughput over time.]

- Flow 1 ingress (mean 194.37 Mbit/s)
- Flow 1 egress (mean 194.33 Mbit/s)

![Graph showing packet delay over time.]

- Flow 1 (95th percentile 49.99 ms)
Run 10: Statistics of Indigo

Start at: 2018-06-07 14:43:54
End at: 2018-06-07 14:44:24
Local clock offset: 0.064 ms
Remote clock offset: 0.783 ms

# Below is generated by plot.py at 2018-06-07 15:49:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 217.62 Mbit/s
95th percentile per-packet one-way delay: 50.139 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 217.62 Mbit/s
95th percentile per-packet one-way delay: 50.139 ms
Loss rate: 0.40%
Run 10: Report of Indigo — Data Link

Graph 1: Throughput (Mbps)
- Flow 1 ingress (mean 217.73 Mbps)
- Flow 1 egress (mean 217.62 Mbps)

Graph 2: Packet one-way delay (ms)
- Flow 1 (95th percentile 50.14 ms)
Run 1: Statistics of LEDBAT

Start at: 2018-06-07 11:29:26
End at: 2018-06-07 11:29:56
Local clock offset: -1.345 ms
Remote clock offset: 0.266 ms

# Below is generated by plot.py at 2018-06-07 15:49:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.06 Mbit/s
95th percentile per-packet one-way delay: 50.164 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 35.06 Mbit/s
95th percentile per-packet one-way delay: 50.164 ms
Loss rate: 0.67%
Run 1: Report of LEDBAT — Data Link

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

- **Flow 1 ingress (mean 35.18 Mbit/s)**
- **Flow 1 egress (mean 35.06 Mbit/s)**

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

- **Flow 1 95th percentile 50.16 ms**

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Run 2: Statistics of LEDBAT

Start at: 2018-06-07 11:49:56
End at: 2018-06-07 11:50:26
Local clock offset: 0.084 ms
Remote clock offset: 0.109 ms

# Below is generated by plot.py at 2018-06-07 15:49:32
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 33.36 Mbit/s
  95th percentile per-packet one-way delay: 51.119 ms
  Loss rate: 0.69%
-- Flow 1:
  Average throughput: 33.36 Mbit/s
  95th percentile per-packet one-way delay: 51.119 ms
  Loss rate: 0.69%
Run 3: Statistics of LEDBAT

Start at: 2018-06-07 12:10:26
End at: 2018-06-07 12:10:56
Local clock offset: 0.226 ms
Remote clock offset: -0.138 ms

# Below is generated by plot.py at 2018-06-07 15:49:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.89 Mbit/s
95th percentile per-packet one-way delay: 51.500 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 32.89 Mbit/s
95th percentile per-packet one-way delay: 51.500 ms
Loss rate: 0.69%
Run 3: Report of LEDBAT — Data Link

![Graph 1](image1.png)

![Graph 2](image2.png)
Run 4: Statistics of LEDBAT

Start at: 2018-06-07 12:30:53
Local clock offset: -0.129 ms
Remote clock offset: 0.152 ms

# Below is generated by plot.py at 2018-06-07 15:49:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.25 Mbit/s
95th percentile per-packet one-way delay: 51.073 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 34.25 Mbit/s
95th percentile per-packet one-way delay: 51.073 ms
Loss rate: 0.68%
Run 4: Report of LEDBAT — Data Link

![Graph showing throughput over time with two lines representing flow ingress and egress rates.](image1)

![Graph showing per-packet round-trip delay over time.](image2)

- Flow 1 ingress (mean 34.36 Mbit/s)
- Flow 1 egress (mean 34.25 Mbit/s)
Run 5: Statistics of LEDBAT

Start at: 2018-06-07 12:50:39
End at: 2018-06-07 12:51:09
Local clock offset: -0.429 ms
Remote clock offset: 0.158 ms

# Below is generated by plot.py at 2018-06-07 15:49:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.35 Mbit/s
95th percentile per-packet one-way delay: 50.727 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 21.35 Mbit/s
95th percentile per-packet one-way delay: 50.727 ms
Loss rate: 0.86%
Run 5: Report of LEDBAT — Data Link

![Graph showing throughput and delay over time]

**Graph Details:**
- Throughput: 0 to 50 Mbps (Mbps/s)
- Time: 0 to 30 seconds
- Flow 1 ingress (mean 21.46 Mbps/s)
- Flow 1 egress (mean 21.35 Mbps/s)

**Per-packet one-way delay (ms):**
- Time: 0 to 30 seconds
- Flow 1 (95th percentile 50.73 ms)
Run 6: Statistics of LEDBAT

Start at: 2018-06-07 13:10:43
Local clock offset: -0.167 ms
Remote clock offset: -0.342 ms

# Below is generated by plot.py at 2018-06-07 15:49:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.40 Mbit/s
95th percentile per-packet one-way delay: 51.499 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 29.40 Mbit/s
95th percentile per-packet one-way delay: 51.499 ms
Loss rate: 0.73%
Run 6: Report of LEDBAT — Data Link
Run 7: Statistics of LEDBAT

End at: 2018-06-07 13:31:34
Local clock offset: -0.1 ms
Remote clock offset: 0.072 ms

# Below is generated by plot.py at 2018-06-07 15:49:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.97 Mbit/s
95th percentile per-packet one-way delay: 51.189 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 20.97 Mbit/s
95th percentile per-packet one-way delay: 51.189 ms
Loss rate: 0.87%
Run 7: Report of LEDBAT — Data Link
Run 8: Statistics of LEDBAT

Start at: 2018-06-07 13:51:09
Local clock offset: -0.111 ms
Remote clock offset: 0.139 ms

# Below is generated by plot.py at 2018-06-07 15:49:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.33 Mbit/s
95th percentile per-packet one-way delay: 51.424 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 33.33 Mbit/s
95th percentile per-packet one-way delay: 51.424 ms
Loss rate: 0.69%
Run 8: Report of LEDBAT — Data Link

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

- **Flow 1 ingress (mean 33.45 Mbps/s)**
- **Flow 1 egress (mean 33.33 Mbps/s)**

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

- **Flow 1 (95th percentile 51.42 ms)**
Run 9: Statistics of LEDBAT

Start at: 2018-06-07 14:11:34
End at: 2018-06-07 14:12:04
Local clock offset: -0.108 ms
Remote clock offset: 0.484 ms

# Below is generated by plot.py at 2018-06-07 15:49:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.98 Mbit/s
95th percentile per-packet one-way delay: 51.462 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 34.98 Mbit/s
95th percentile per-packet one-way delay: 51.462 ms
Loss rate: 0.60%
Run 9: Report of LEDBAT — Data Link
Run 10: Statistics of LEDBAT

Start at: 2018-06-07 14:31:53
End at: 2018-06-07 14:32:23
Local clock offset: -0.007 ms
Remote clock offset: 0.459 ms

# Below is generated by plot.py at 2018-06-07 15:49:32
# Datalink statistics
--- Total of 1 flow:
Average throughput: 32.91 Mbit/s
95th percentile per-packet one-way delay: 51.619 ms
Loss rate: 0.69%
--- Flow 1:
Average throughput: 32.91 Mbit/s
95th percentile per-packet one-way delay: 51.619 ms
Loss rate: 0.69%
Run 10: Report of LEDBAT — Data Link

![Graph 1](image1)

![Graph 2](image2)
Run 1: Statistics of PCC-Allegro

Start at: 2018-06-07 11:39:49
End at: 2018-06-07 11:40:19
Local clock offset: -0.026 ms
Remote clock offset: 0.294 ms

# Below is generated by plot.py at 2018-06-07 15:50:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 522.89 Mbit/s
95th percentile per-packet one-way delay: 177.754 ms
Loss rate: 2.80%
-- Flow 1:
Average throughput: 522.89 Mbit/s
95th percentile per-packet one-way delay: 177.754 ms
Loss rate: 2.80%
Run 1: Report of PCC-Allegro — Data Link

![Graph showing throughput and delay over time]

- **Flow 1 ingress (mean 536.04 Mbit/s)**
- **Flow 1 egress (mean 522.89 Mbit/s)**

![Graph showing packet delay]

- **Flow 1 (95th percentile 177.75 ms)**
Run 2: Statistics of PCC-Allegro

Start at: 2018-06-07 12:00:13
End at: 2018-06-07 12:00:44
Local clock offset: -1.642 ms
Remote clock offset: -0.13 ms

# Below is generated by plot.py at 2018-06-07 15:50:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 525.60 Mbit/s
95th percentile per-packet one-way delay: 178.057 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 525.60 Mbit/s
95th percentile per-packet one-way delay: 178.057 ms
Loss rate: 1.77%
Run 2: Report of PCC-Allegro — Data Link

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

- **Flow 1 ingress (mean 533.22 Mbps)**
- **Flow 1 egress (mean 525.60 Mbps)**

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

- **Flow 1 (95th percentile 178.06 ms)**
Run 3: Statistics of PCC-Allegro

Start at: 2018-06-07 12:20:50
Local clock offset: 0.077 ms
Remote clock offset: 0.011 ms

# Below is generated by plot.py at 2018-06-07 15:50:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 515.24 Mbit/s
95th percentile per-packet one-way delay: 180.025 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 515.24 Mbit/s
95th percentile per-packet one-way delay: 180.025 ms
Loss rate: 1.34%
Run 3: Report of PCC-Allegro — Data Link

Throughput (Mbit/s)

Flow 1 ingress (mean 520.41 Mbit/s)  Flow 1 egress (mean 515.24 Mbit/s)

Packet delay (ms)

Flow 1 (95th percentile 180.03 ms)
Run 4: Statistics of PCC-Allegro

Start at: 2018-06-07 12:40:40
End at: 2018-06-07 12:41:10
Local clock offset: 0.04 ms
Remote clock offset: 0.2 ms

# Below is generated by plot.py at 2018-06-07 15:50:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 504.40 Mbit/s
95th percentile per-packet one-way delay: 124.658 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 504.40 Mbit/s
95th percentile per-packet one-way delay: 124.658 ms
Loss rate: 0.64%
Run 4: Report of PCC-Allegro — Data Link
Run 5: Statistics of PCC-Allegro

Start at: 2018-06-07 13:00:44
End at: 2018-06-07 13:01:14
Local clock offset: -0.279 ms
Remote clock offset: -0.172 ms

# Below is generated by plot.py at 2018-06-07 15:50:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 525.89 Mbit/s
95th percentile per-packet one-way delay: 151.706 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 525.89 Mbit/s
95th percentile per-packet one-way delay: 151.706 ms
Loss rate: 1.10%
Run 5: Report of PCC-Allegro — Data Link
Run 6: Statistics of PCC-Allegro

Start at: 2018-06-07 13:20:46
End at: 2018-06-07 13:21:16
Local clock offset: -0.099 ms
Remote clock offset: -0.025 ms

# Below is generated by plot.py at 2018-06-07 15:50:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 505.42 Mbit/s
95th percentile per-packet one-way delay: 159.920 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 505.42 Mbit/s
95th percentile per-packet one-way delay: 159.920 ms
Loss rate: 1.20%
Run 6: Report of PCC-Allegro — Data Link

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

- **Flow 1 ingress (mean 599.70 Mbps)**
- **Flow 1 egress (mean 505.42 Mbps)**

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

- **Flow 1 (95th percentile 159.92 ms)**
Run 7: Statistics of PCC-Allegro

End at: 2018-06-07 13:41:42
Local clock offset: 0.173 ms
Remote clock offset: -0.351 ms

# Below is generated by plot.py at 2018-06-07 15:56:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 515.82 Mbit/s
95th percentile per-packet one-way delay: 181.806 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 515.82 Mbit/s
95th percentile per-packet one-way delay: 181.806 ms
Loss rate: 1.12%
Run 7: Report of PCC-Allegro — Data Link

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

![Graph 2: Per Packet Round Trip Time vs Time](image2)

Flow 1 ingress (mean 519.85 Mbit/s)  
Flow 1 egress (mean 515.82 Mbit/s)

Flow 1 (95th percentile 101.81 ms)
Run 8: Statistics of PCC-Allegro

Start at: 2018-06-07 14:01:18
End at: 2018-06-07 14:01:48
Local clock offset: 0.001 ms
Remote clock offset: 0.35 ms

# Below is generated by plot.py at 2018-06-07 15:57:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 473.02 Mbit/s
95th percentile per-packet one-way delay: 136.844 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 473.02 Mbit/s
95th percentile per-packet one-way delay: 136.844 ms
Loss rate: 0.70%
Run 8: Report of PCC-Allegro — Data Link
Run 9: Statistics of PCC-Allegro

Start at: 2018-06-07 14:21:37  
End at: 2018-06-07 14:22:07  
Local clock offset: -0.085 ms  
Remote clock offset: 0.493 ms

# Below is generated by plot.py at 2018-06-07 15:58:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 495.25 Mbit/s  
95th percentile per-packet one-way delay: 109.507 ms  
Loss rate: 0.75%  
-- Flow 1:  
Average throughput: 495.25 Mbit/s  
95th percentile per-packet one-way delay: 109.507 ms  
Loss rate: 0.75%
Run 9: Report of PCC-Allegro — Data Link

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

- Flow 1 ingress (mean 497.20 Mbit/s)
- Flow 1 egress (mean 495.25 Mbit/s)

![Graph of Per-packet Delay vs Time](image2.png)

- Flow 1 (95th percentile 109.53 ms)
Run 10: Statistics of PCC-Allegro

Start at: 2018-06-07 14:42:29
End at: 2018-06-07 14:42:59
Local clock offset: 0.05 ms
Remote clock offset: 0.412 ms

# Below is generated by plot.py at 2018-06-07 16:00:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 535.22 Mbit/s
95th percentile per-packet one-way delay: 179.101 ms
Loss rate: 7.07%
-- Flow 1:
Average throughput: 535.22 Mbit/s
95th percentile per-packet one-way delay: 179.101 ms
Loss rate: 7.07%
Run 10: Report of PCC-Allegro — Data Link
Run 1: Statistics of PCC-Expr

Start at: 2018-06-07 11:30:34
End at: 2018-06-07 11:31:04
Local clock offset: 0.073 ms
Remote clock offset: -0.121 ms

# Below is generated by plot.py at 2018-06-07 16:00:21
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 96.07 Mbit/s
  95th percentile per-packet one-way delay: 54.007 ms
  Loss rate: 0.37%
-- Flow 1:
  Average throughput: 96.07 Mbit/s
  95th percentile per-packet one-way delay: 54.007 ms
  Loss rate: 0.37%
Run 1: Report of PCC-Expr — Data Link
Run 2: Statistics of PCC-Expr

Start at: 2018-06-07 11:51:04
End at: 2018-06-07 11:51:34
Local clock offset: 0.117 ms
Remote clock offset: 0.434 ms

# Below is generated by plot.py at 2018-06-07 16:01:59
# Datalink statistics
  -- Total of 1 flow:
  Average throughput: 353.30 Mbit/s
  95th percentile per-packet one-way delay: 157.427 ms
  Loss rate: 1.43%
  -- Flow 1:
  Average throughput: 353.30 Mbit/s
  95th percentile per-packet one-way delay: 157.427 ms
  Loss rate: 1.43%
Run 2: Report of PCC-Expr — Data Link

![Graph showing throughput and packet delay over time for Flow 1 with ingress and egress data.]
Run 3: Statistics of PCC-Expr

Start at: 2018-06-07 12:11:34
End at: 2018-06-07 12:12:04
Local clock offset: -1.297 ms
Remote clock offset: 0.031 ms

# Below is generated by plot.py at 2018-06-07 16:04:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 407.90 Mbit/s
95th percentile per-packet one-way delay: 133.742 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 407.90 Mbit/s
95th percentile per-packet one-way delay: 133.742 ms
Loss rate: 0.67%
Run 3: Report of PCC-Expr — Data Link

![Graph 1: Throughput vs Time]

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

Flow 1 ingress (mean 409.23 Mbps) vs Flow 1 egress (mean 407.90 Mbps)

Flow 1 (95th percentile 133.74 ms)
Run 4: Statistics of PCC-Expr

Start at: 2018-06-07 12:32:01
End at: 2018-06-07 12:32:31
Local clock offset: 0.011 ms
Remote clock offset: 0.017 ms

# Below is generated by plot.py at 2018-06-07 16:04:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 100.99 Mbit/s
95th percentile per-packet one-way delay: 53.708 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 100.99 Mbit/s
95th percentile per-packet one-way delay: 53.708 ms
Loss rate: 0.40%
Run 4: Report of PCC-Expr — Data Link

![Graph of Throughput and Delay](image1)

![Graph of Packet Drop Rate](image2)
Run 5: Statistics of PCC-Expr

Start at: 2018-06-07 12:51:46
End at: 2018-06-07 12:52:16
Local clock offset: -0.064 ms
Remote clock offset: 0.271 ms

# Below is generated by plot.py at 2018-06-07 16:04:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.61 Mbit/s
95th percentile per-packet one-way delay: 53.485 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 97.61 Mbit/s
95th percentile per-packet one-way delay: 53.485 ms
Loss rate: 0.32%
Run 5: Report of PCC-Expr — Data Link

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

**Throughput (Mbit/s)**
- Flow 1 ingress (mean 97.59 Mbit/s)
- Flow 1 egress (mean 97.61 Mbit/s)

**Packet delay (ms)**
- Flow 1 (95th percentile 53.48 ms)
Run 6: Statistics of PCC-Expr

Start at: 2018-06-07 13:11:51
End at: 2018-06-07 13:12:21
Local clock offset: -0.104 ms
Remote clock offset: 0.027 ms

# Below is generated by plot.py at 2018-06-07 16:04:02
# Datalink statistics
-- Total of 1 flow:
   Average throughput: 99.08 Mbit/s
   95th percentile per-packet one-way delay: 53.543 ms
   Loss rate: 0.33%
-- Flow 1:
   Average throughput: 99.08 Mbit/s
   95th percentile per-packet one-way delay: 53.543 ms
   Loss rate: 0.33%
Run 6: Report of PCC-Expr — Data Link
Run 7: Statistics of PCC-Expr

Local clock offset: -0.302 ms
Remote clock offset: -0.027 ms

# Below is generated by plot.py at 2018-06-07 16:04:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.69 Mbit/s
95th percentile per-packet one-way delay: 53.504 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 96.69 Mbit/s
95th percentile per-packet one-way delay: 53.504 ms
Loss rate: 0.38%
Run 7: Report of PCC-Expr — Data Link
Run 8: Statistics of PCC-Expr

Start at: 2018-06-07 13:52:17
Local clock offset: -0.115 ms
Remote clock offset: 0.189 ms

# Below is generated by plot.py at 2018-06-07 16:04:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.49 Mbit/s
95th percentile per-packet one-way delay: 53.492 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 96.49 Mbit/s
95th percentile per-packet one-way delay: 53.492 ms
Loss rate: 0.36%
Run 8: Report of PCC-Expr — Data Link

![Graph of throughput](image1)

![Graph of per-packet one-way delay](image2)
Run 9: Statistics of PCC-Expr

Start at: 2018-06-07 14:12:42
End at: 2018-06-07 14:13:12
Local clock offset: -0.185 ms
Remote clock offset: 0.549 ms

# Below is generated by plot.py at 2018-06-07 16:04:02
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 100.60 Mbit/s
  95th percentile per-packet one-way delay: 53.331 ms
  Loss rate: 0.39%
-- Flow 1:
  Average throughput: 100.60 Mbit/s
  95th percentile per-packet one-way delay: 53.331 ms
  Loss rate: 0.39%
Run 9: Report of PCC-Expr — Data Link

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[Graph showing throughput and packet delay over time]

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[Graph showing more detailed metrics for a specific flow]
Run 10: Statistics of PCC-Expr

Start at: 2018-06-07 14:33:01
End at: 2018-06-07 14:33:31
Local clock offset: 0.053 ms
Remote clock offset: 0.576 ms

# Below is generated by plot.py at 2018-06-07 16:09:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 337.17 Mbit/s
95th percentile per-packet one-way delay: 152.639 ms
Loss rate: 4.40%
-- Flow 1:
Average throughput: 337.17 Mbit/s
95th percentile per-packet one-way delay: 152.639 ms
Loss rate: 4.40%
Run 10: Report of PCC-Expr — Data Link

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

- **Flow 1 ingress (mean 351.42 Mbps)**
- **Flow 1 egress (mean 337.17 Mbps)**

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

- **Flow 1 (95th percentile 152.64 ms)**
Run 1: Statistics of QUIC Cubic

Start at: 2018-06-07 11:47:34
End at: 2018-06-07 11:48:04
Local clock offset: -0.134 ms
Remote clock offset: 0.344 ms

# Below is generated by plot.py at 2018-06-07 16:09:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.13 Mbit/s
95th percentile per-packet one-way delay: 53.128 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 65.13 Mbit/s
95th percentile per-packet one-way delay: 53.128 ms
Loss rate: 0.60%
Run 1: Report of QUIC Cubic — Data Link
Run 2: Statistics of QUIC Cubic

Start at: 2018-06-07 12:08:01
End at: 2018-06-07 12:08:31
Local clock offset: -0.221 ms
Remote clock offset: -0.148 ms

# Below is generated by plot.py at 2018-06-07 16:09:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.36 Mbit/s
95th percentile per-packet one-way delay: 53.662 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 59.36 Mbit/s
95th percentile per-packet one-way delay: 53.662 ms
Loss rate: 0.44%
Run 2: Report of QUIC Cubic — Data Link
Run 3: Statistics of QUIC Cubic

End at: 2018-06-07 12:29:01
Local clock offset: -1.61 ms
Remote clock offset: -0.02 ms

# Below is generated by plot.py at 2018-06-07 16:09:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.50 Mbit/s
95th percentile per-packet one-way delay: 48.427 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 73.50 Mbit/s
95th percentile per-packet one-way delay: 48.427 ms
Loss rate: 0.51%
Run 3: Report of QUIC Cubic — Data Link

![Graph 1](image1.png)

- Flow 1 ingress (mean 73.61 Mbit/s)
- Flow 1 egress (mean 73.50 Mbit/s)

![Graph 2](image2.png)

- Flow 1 (95th percentile 48.43 ms)
Run 4: Statistics of QUIC Cubic

End at: 2018-06-07 12:48:43
Local clock offset: -0.11 ms
Remote clock offset: -0.134 ms

# Below is generated by plot.py at 2018-06-07 16:09:17
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 74.13 Mbit/s
  95th percentile per-packet one-way delay: 53.802 ms
  Loss rate: 0.50%
-- Flow 1:
  Average throughput: 74.13 Mbit/s
  95th percentile per-packet one-way delay: 53.802 ms
  Loss rate: 0.50%
Run 5: Statistics of QUIC Cubic

Start at: 2018-06-07 13:08:21
End at: 2018-06-07 13:08:51
Local clock offset: -0.258 ms
Remote clock offset: -0.138 ms

# Below is generated by plot.py at 2018-06-07 16:09:17
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 60.96 Mbit/s
  95th percentile per-packet one-way delay: 53.545 ms
  Loss rate: 0.51%
-- Flow 1:
  Average throughput: 60.96 Mbit/s
  95th percentile per-packet one-way delay: 53.545 ms
  Loss rate: 0.51%
Run 5: Report of QUIC Cubic — Data Link

![Graph showing throughput and packet round-trip delay over time](image-url)

- **Flow 1 ingress** (mean 61.06 Mbit/s)
- **Flow 1 egress** (mean 60.96 Mbit/s)
Run 6: Statistics of QUIC Cubic

End at: 2018-06-07 13:29:10
Local clock offset: 0.002 ms
Remote clock offset: -0.242 ms

# Below is generated by plot.py at 2018-06-07 16:09:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.59 Mbit/s
95th percentile per-packet one-way delay: 50.537 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 66.59 Mbit/s
95th percentile per-packet one-way delay: 50.537 ms
Loss rate: 0.55%
Run 6: Report of QUIC Cubic — Data Link
Run 7: Statistics of QUIC Cubic

End at: 2018-06-07 13:49:18
Local clock offset: 0.117 ms
Remote clock offset: -0.268 ms

# Below is generated by plot.py at 2018-06-07 16:09:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.02 Mbit/s
95th percentile per-packet one-way delay: 53.993 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 59.02 Mbit/s
95th percentile per-packet one-way delay: 53.993 ms
Loss rate: 0.50%
Run 7: Report of QUIC Cubic — Data Link
Run 8: Statistics of QUIC Cubic

Start at: 2018-06-07 14:09:11
End at: 2018-06-07 14:09:41
Local clock offset: -0.065 ms
Remote clock offset: 0.6 ms

# Below is generated by plot.py at 2018-06-07 16:09:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.55 Mbit/s
95th percentile per-packet one-way delay: 53.372 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 71.55 Mbit/s
95th percentile per-packet one-way delay: 53.372 ms
Loss rate: 0.52%
Run 8: Report of QUIC Cubic — Data Link
Run 9: Statistics of QUIC Cubic

Start at: 2018-06-07 14:29:28
End at: 2018-06-07 14:29:58
Local clock offset: -0.05 ms
Remote clock offset: 1.011 ms

# Below is generated by plot.py at 2018-06-07 16:09:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.16 Mbit/s
95th percentile per-packet one-way delay: 53.194 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 70.16 Mbit/s
95th percentile per-packet one-way delay: 53.194 ms
Loss rate: 0.51%
Run 9: Report of QUIC Cubic — Data Link

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

- **Flow 1 ingress** (mean 70.28 Mbit/s)
- **Flow 1 egress** (mean 70.16 Mbit/s)

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

- **Flow 1** (95th percentile 53.19 ms)
Run 10: Statistics of QUIC Cubic

Start at: 2018-06-07 14:50:13
End at: 2018-06-07 14:50:43
Local clock offset: 0.23 ms
Remote clock offset: 0.806 ms

# Below is generated by plot.py at 2018-06-07 16:09:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.97 Mbit/s
95th percentile per-packet one-way delay: 50.225 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 69.97 Mbit/s
95th percentile per-packet one-way delay: 50.225 ms
Loss rate: 0.51%
Run 10: Report of QUIC Cubic — Data Link
Run 1: Statistics of SCReAM

Start at: 2018-06-07 11:38:44
End at: 2018-06-07 11:39:14
Local clock offset: -0.125 ms
Remote clock offset: 0.067 ms

# Below is generated by plot.py at 2018-06-07 16:09:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.663 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.663 ms
Loss rate: 0.39%
Run 1: Report of SCReAM — Data Link
Run 2: Statistics of SCReAM

Start at: 2018-06-07 11:59:08
End at: 2018-06-07 11:59:38
Local clock offset: -0.193 ms
Remote clock offset: 0.063 ms

# Below is generated by plot.py at 2018-06-07 16:09:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.547 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.547 ms
Loss rate: 0.38%
Run 2: Report of SCReAM — Data Link

![Graph showing throughput over time for Flow 1 ingress and Flow 1 egress with mean 0.21 Mbit/s.]

![Graph showing packet delay over time for Flow 1 with 95th percentile 53.55 ms.]
Run 3: Statistics of SCReAM

Start at: 2018-06-07 12:19:44
End at: 2018-06-07 12:20:14
Local clock offset: 0.155 ms
Remote clock offset: -0.297 ms

# Below is generated by plot.py at 2018-06-07 16:09:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.869 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.869 ms
Loss rate: 0.26%
Run 3: Report of SCReAM — Data Link

![Graph showing throughput and per-packet one-way delay over time]

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

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

- **Flow 1 (95th percentile 50.87 ms)**
Run 4: Statistics of SCReAM

Start at: 2018-06-07 12:39:34
End at: 2018-06-07 12:40:04
Local clock offset: 0.096 ms
Remote clock offset: -0.379 ms

# Below is generated by plot.py at 2018-06-07 16:09:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.889 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.889 ms
Loss rate: 0.39%
Run 4: Report of SCReAM — Data Link

Throughput (Mbps)

Time (s)

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

Packet drop delay (ms)

Time (s)

Flow 1 (95th percentile 50.89 ms)
Run 5: Statistics of SCReAM

Start at: 2018-06-07 12:59:39
End at: 2018-06-07 13:00:09
Local clock offset: -0.176 ms
Remote clock offset: -0.16 ms

# Below is generated by plot.py at 2018-06-07 16:09:17
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 0.21 Mbit/s
  95th percentile per-packet one-way delay: 53.826 ms
  Loss rate: 0.38%
-- Flow 1:
  Average throughput: 0.21 Mbit/s
  95th percentile per-packet one-way delay: 53.826 ms
  Loss rate: 0.38%
Run 5: Report of SCReAM — Data Link

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

Legend:
- Flow 1 ingress (mean 0.21 Mbit/s)
- Flow 1 egress (mean 0.21 Mbit/s)

![Graph showing packet delay distribution.](image)

Legend:
- Flow 1 (95th percentile 53.83 ms)
Run 6: Statistics of SCReAM

Start at: 2018-06-07 13:19:40
End at: 2018-06-07 13:20:10
Local clock offset: 0.006 ms
Remote clock offset: -0.31 ms

# Below is generated by plot.py at 2018-06-07 16:09:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.078 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.078 ms
Loss rate: 0.26%
Run 6: Report of SCReAM — Data Link

![Graph of Throughput and Packet Delay](image)

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

- Packet delay (ms)
- Time (s)
- Flow 1 (95th percentile 51.08 ms)
Run 7: Statistics of SCReAM

Start at: 2018-06-07 13:40:07
End at: 2018-06-07 13:40:37
Local clock offset: -0.262 ms
Remote clock offset: 0.224 ms

# Below is generated by plot.py at 2018-06-07 16:09:17
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 0.21 Mbit/s
  95th percentile per-packet one-way delay: 53.271 ms
  Loss rate: 0.26%
-- Flow 1:
  Average throughput: 0.21 Mbit/s
  95th percentile per-packet one-way delay: 53.271 ms
  Loss rate: 0.26%
Run 7: Report of SCReAM — Data Link

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

- Flow 1 ingress (mean 0.21 Mbps)
- Flow 1 egress (mean 0.21 Mbps)

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

- Flow 1 (95th percentile 53.27 ms)
Run 8: Statistics of SCReAM

Start at: 2018-06-07 14:00:13
End at: 2018-06-07 14:00:43
Local clock offset: -0.027 ms
Remote clock offset: -0.133 ms

# Below is generated by plot.py at 2018-06-07 16:09:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.672 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.672 ms
Loss rate: 0.26%
Run 8: Report of SCReAM — Data Link

![Throughput Graph](image)

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

![Delay Graph](image)

- Flow 1 (95th percentile 50.67 ms)
Run 9: Statistics of SCReAM

Start at: 2018-06-07 14:20:31
End at: 2018-06-07 14:21:01
Local clock offset: -0.02 ms
Remote clock offset: 0.436 ms

# Below is generated by plot.py at 2018-06-07 16:09:17
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 0.21 Mbit/s
  95th percentile per-packet one-way delay: 50.828 ms
  Loss rate: 0.39%
-- Flow 1:
  Average throughput: 0.21 Mbit/s
  95th percentile per-packet one-way delay: 50.828 ms
  Loss rate: 0.39%
Run 9: Report of SCReAM — Data Link

---

**Throughput (Mbps)**

- **Flow 1 ingress (mean 0.21 Mbps)**
- **Flow 1 egress (mean 0.21 Mbps)**

---

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

- **Flow 1 (95th percentile 50.83 ms)**
Run 10: Statistics of SCReAM

Start at: 2018-06-07 14:41:24
End at: 2018-06-07 14:41:54
Local clock offset: 0.073 ms
Remote clock offset: 0.818 ms

# Below is generated by plot.py at 2018-06-07 16:09:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.908 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.908 ms
Loss rate: 0.38%
Run 10: Report of SCReAM — Data Link

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

- Flow 1 ingress (mean 0.21 Mbit/s)
- Flow 1 egress (mean 0.21 Mbit/s)

![Graph showing Per packet end-to-end delay (ms) over Time (s)]

- Flow 1 (95th percentile 53.91 ms)
Run 1: Statistics of Sprout

Start at: 2018-06-07 11:31:48
End at: 2018-06-07 11:32:18
Local clock offset: -0.196 ms
Remote clock offset: 0.106 ms

# Below is generated by plot.py at 2018-06-07 16:09:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.02 Mbit/s
95th percentile per-packet one-way delay: 53.358 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 5.02 Mbit/s
95th percentile per-packet one-way delay: 53.358 ms
Loss rate: 0.33%
Run 1: Report of Sprout — Data Link
Run 2: Statistics of Sprout

Start at: 2018-06-07 11:52:40
End at: 2018-06-07 11:53:10
Local clock offset: 0.1 ms
Remote clock offset: 0.002 ms

# Below is generated by plot.py at 2018-06-07 16:09:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.21 Mbit/s
95th percentile per-packet one-way delay: 50.854 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 5.21 Mbit/s
95th percentile per-packet one-way delay: 50.854 ms
Loss rate: 0.57%
Run 2: Report of Sprout — Data Link
Run 3: Statistics of Sprout

Start at: 2018-06-07 12:13:10
End at: 2018-06-07 12:13:40
Local clock offset: 0.114 ms
Remote clock offset: -0.24 ms

# Below is generated by plot.py at 2018-06-07 16:09:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.41 Mbit/s
95th percentile per-packet one-way delay: 51.169 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 6.41 Mbit/s
95th percentile per-packet one-way delay: 51.169 ms
Loss rate: 0.25%
Run 3: Report of Sprout — Data Link

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

- **Throughput (Mbps)**
  - Flow 1 ingress (mean 6.40 Mbps)
  - Flow 1 egress (mean 6.41 Mbps)

- **Packet Delay (ms)**
  - Flow 1 (95th percentile 51.17 ms)
Run 4: Statistics of Sprout

Start at: 2018-06-07 12:33:15
End at: 2018-06-07 12:33:45
Local clock offset: 0.251 ms
Remote clock offset: 0.073 ms

# Below is generated by plot.py at 2018-06-07 16:09:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.49 Mbit/s
95th percentile per-packet one-way delay: 50.949 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 6.49 Mbit/s
95th percentile per-packet one-way delay: 50.949 ms
Loss rate: 0.19%
Run 4: Report of Sprout — Data Link

![Throughput Graph]

![Delay Graph]
Run 5: Statistics of Sprout

Start at: 2018-06-07 12:52:59
End at: 2018-06-07 12:53:29
Local clock offset: -0.415 ms
Remote clock offset: -0.123 ms

# Below is generated by plot.py at 2018-06-07 16:09:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.69 Mbit/s
95th percentile per-packet one-way delay: 50.398 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 6.69 Mbit/s
95th percentile per-packet one-way delay: 50.398 ms
Loss rate: 0.29%
Run 5: Report of Sprout — Data Link

![Graph showing throughput and packet round-trip delay over time.](image-url)
Run 6: Statistics of Sprout

Local clock offset: -0.045 ms
Remote clock offset: -0.09 ms

# Below is generated by plot.py at 2018-06-07 16:09:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.67 Mbit/s
95th percentile per-packet one-way delay: 50.766 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 7.67 Mbit/s
95th percentile per-packet one-way delay: 50.766 ms
Loss rate: 0.40%
Run 6: Report of Sprout — Data Link
Run 7: Statistics of Sprout

Local clock offset: -0.091 ms
Remote clock offset: -0.329 ms

# Below is generated by plot.py at 2018-06-07 16:09:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.84 Mbit/s
95th percentile per-packet one-way delay: 50.890 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 6.84 Mbit/s
95th percentile per-packet one-way delay: 50.890 ms
Loss rate: 0.23%
Run 7: Report of Sprout — Data Link

![Graph showing throughput and packet delay over time.](image)
Run 8: Statistics of Sprout

End at: 2018-06-07 13:54:01
Local clock offset: -0.028 ms
Remote clock offset: -0.077 ms

# Below is generated by plot.py at 2018-06-07 16:09:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.48 Mbit/s
95th percentile per-packet one-way delay: 51.298 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 7.48 Mbit/s
95th percentile per-packet one-way delay: 51.298 ms
Loss rate: 0.30%
Run 8: Report of Sprout — Data Link

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

- Flow 1 ingress (mean 7.48 Mbps)
- Flow 1 egress (mean 7.48 Mbps)

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

- Flow 1 (95th percentile 51.30 ms)
Run 9: Statistics of Sprout

Start at: 2018-06-07 14:13:56
End at: 2018-06-07 14:14:26
Local clock offset: -0.301 ms
Remote clock offset: 0.541 ms

# Below is generated by plot.py at 2018-06-07 16:09:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.28 Mbit/s
95th percentile per-packet one-way delay: 50.715 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 6.28 Mbit/s
95th percentile per-packet one-way delay: 50.715 ms
Loss rate: 0.58%
Run 10: Statistics of Sprout

Start at: 2018-06-07 14:34:29
End at: 2018-06-07 14:34:59
Local clock offset: -0.09 ms
Remote clock offset: 0.72 ms

# Below is generated by plot.py at 2018-06-07 16:09:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.51 Mbit/s
95th percentile per-packet one-way delay: 50.598 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 6.51 Mbit/s
95th percentile per-packet one-way delay: 50.598 ms
Loss rate: 0.26%
Run 10: Report of Sprout — Data Link
Run 1: Statistics of TaoVA-100x

Start at: 2018-06-07 11:34:10
End at: 2018-06-07 11:34:40
Local clock offset: -0.267 ms
Remote clock offset: -0.026 ms

# Below is generated by plot.py at 2018-06-07 16:11:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 255.60 Mbit/s
95th percentile per-packet one-way delay: 50.191 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 255.60 Mbit/s
95th percentile per-packet one-way delay: 50.191 ms
Loss rate: 0.36%
Run 1: Report of TaoVA-100x — Data Link
Run 2: Statistics of TaoVA-100x

Start at: 2018-06-07 11:54:55
Local clock offset: -0.229 ms
Remote clock offset: 0.229 ms

# Below is generated by plot.py at 2018-06-07 16:11:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.84 Mbit/s
95th percentile per-packet one-way delay: 53.026 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 57.84 Mbit/s
95th percentile per-packet one-way delay: 53.026 ms
Loss rate: 0.07%
Run 2: Report of TaoVA-100x — Data Link
Run 3: Statistics of TaoVA-100x

Start at: 2018-06-07 12:15:27
End at: 2018-06-07 12:15:57
Local clock offset: 0.196 ms
Remote clock offset: 0.054 ms

# Below is generated by plot.py at 2018-06-07 16:11:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 121.09 Mbit/s
95th percentile per-packet one-way delay: 53.864 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 121.09 Mbit/s
95th percentile per-packet one-way delay: 53.864 ms
Loss rate: 0.00%
Run 3: Report of TaoVA-100x — Data Link
Run 4: Statistics of TaoVA-100x

Start at: 2018-06-07 12:35:31
End at: 2018-06-07 12:36:01
Local clock offset: -0.007 ms
Remote clock offset: -0.281 ms

# Below is generated by plot.py at 2018-06-07 16:11:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.94 Mbit/s
95th percentile per-packet one-way delay: 54.137 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 32.94 Mbit/s
95th percentile per-packet one-way delay: 54.137 ms
Loss rate: 0.15%
Run 4: Report of TaoVA-100x — Data Link

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

- Flow 1 ingress (mean 32.87 Mbit/s)
- Flow 1 egress (mean 32.94 Mbit/s)
Run 5: Statistics of TaoVA-100x

Local clock offset: -0.386 ms
Remote clock offset: 0.014 ms

# Below is generated by plot.py at 2018-06-07 16:11:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 134.57 Mbit/s
95th percentile per-packet one-way delay: 49.929 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 134.57 Mbit/s
95th percentile per-packet one-way delay: 49.929 ms
Loss rate: 0.04%
Run 5: Report of TaoVA-100x — Data Link
Run 6: Statistics of TaoVA-100x

End at: 2018-06-07 13:15:54
Local clock offset: -0.11 ms
Remote clock offset: -0.032 ms

# Below is generated by plot.py at 2018-06-07 16:11:12
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 70.59 Mbit/s
  95th percentile per-packet one-way delay: 53.484 ms
  Loss rate: 0.07%
-- Flow 1:
  Average throughput: 70.59 Mbit/s
  95th percentile per-packet one-way delay: 53.484 ms
  Loss rate: 0.07%
Run 6: Report of TaoVA-100x — Data Link
Run 7: Statistics of TaoVA-100x

Start at: 2018-06-07 13:35:47
End at: 2018-06-07 13:36:17
Local clock offset: -0.168 ms
Remote clock offset: -0.315 ms

# Below is generated by plot.py at 2018-06-07 16:11:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.04 Mbit/s
95th percentile per-packet one-way delay: 53.854 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 24.04 Mbit/s
95th percentile per-packet one-way delay: 53.854 ms
Loss rate: 0.20%
Run 7: Report of TaoVA-100x — Data Link

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

- **Throughput (Mbps)**
  - Y-axis: 0 to 120
  - X-axis: 0 to 30 seconds
- **Packet Delay (ms)**
  - Y-axis: 50 to 60
  - X-axis: 0 to 30 seconds

Legend:
- **Flow 1 ingress (mean 24.00 Mbit/s)**
- **Flow 1 egress (mean 24.04 Mbit/s)**
- **Flow 1 (95th percentile 53.05 ms)**
Run 8: Statistics of TaoVA-100x

End at: 2018-06-07 13:56:17
Local clock offset: -0.212 ms
Remote clock offset: -0.034 ms

# Below is generated by plot.py at 2018-06-07 16:11:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 130.78 Mbit/s
95th percentile per-packet one-way delay: 50.573 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 130.78 Mbit/s
95th percentile per-packet one-way delay: 50.573 ms
Loss rate: 0.02%
Run 8: Report of TaoVA-100x — Data Link
Run 9: Statistics of TaoVA-100x

Start at: 2018-06-07 14:16:15
End at: 2018-06-07 14:16:45
Local clock offset: -0.135 ms
Remote clock offset: 0.412 ms
Run 9: Report of TaoVA-100x — Data Link

![Graph showing throughput over time for data link tests.](image-url)

- Flow 1 ingress (mean 114.31 Mbit/s)
- Flow 1 egress (mean 114.32 Mbit/s)
Run 10: Statistics of TaoVA-100x

Start at: 2018-06-07 14:36:49
End at: 2018-06-07 14:37:19
Local clock offset: -0.074 ms
Remote clock offset: 0.507 ms

# Below is generated by plot.py at 2018-06-07 16:12:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 229.25 Mbit/s
95th percentile per-packet one-way delay: 50.612 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 229.25 Mbit/s
95th percentile per-packet one-way delay: 50.612 ms
Loss rate: 0.38%
Run 10: Report of TaoVA-100x — Data Link
Run 1: Statistics of TCP Vegas

Start at: 2018-06-07 11:32:54
End at: 2018-06-07 11:33:24
Local clock offset: 0.072 ms
Remote clock offset: 0.003 ms

# Below is generated by plot.py at 2018-06-07 16:12:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 230.69 Mbit/s
95th percentile per-packet one-way delay: 57.854 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 230.69 Mbit/s
95th percentile per-packet one-way delay: 57.854 ms
Loss rate: 0.38%
Run 1: Report of TCP Vegas — Data Link

![Graph showing throughput and packet delay over time]

- Flow 1 ingress (mean 230.80 Mbit/s)
- Flow 1 egress (mean 230.69 Mbit/s)

![Graph showing packet delay over time]

- Flow 1 (95th percentile 57.85 ms)
Run 2: Statistics of TCP Vegas

Start at: 2018-06-07 11:53:46
End at: 2018-06-07 11:54:16
Local clock offset: -0.021 ms
Remote clock offset: -0.227 ms

# Below is generated by plot.py at 2018-06-07 16:12:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 62.58 Mbit/s
95th percentile per-packet one-way delay: 51.770 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 62.58 Mbit/s
95th percentile per-packet one-way delay: 51.770 ms
Loss rate: 0.30%
Run 2: Report of TCP Vegas — Data Link

![Plot of Throughput (Mbps) over time for Flow 1 ingress and egress with mean 62.56 Mbps](image1)

![Plot of Per packet end-to-end delay (ms) over time for Flow 1 with 95th percentile 51.77 ms](image2)
Run 3: Statistics of TCP Vegas

Start at: 2018-06-07 12:14:16
End at: 2018-06-07 12:14:46
Local clock offset: -0.006 ms
Remote clock offset: -0.114 ms

# Below is generated by plot.py at 2018-06-07 16:12:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 116.97 Mbit/s
95th percentile per-packet one-way delay: 56.861 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 116.97 Mbit/s
95th percentile per-packet one-way delay: 56.861 ms
Loss rate: 0.16%
Run 3: Report of TCP Vegas — Data Link

[Graphs showing throughput and packet delay over time]
Run 4: Statistics of TCP Vegas

Start at: 2018-06-07 12:34:21
End at: 2018-06-07 12:34:51
Local clock offset: 0.068 ms
Remote clock offset: -0.071 ms

# Below is generated by plot.py at 2018-06-07 16:12:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.63 Mbit/s
95th percentile per-packet one-way delay: 51.455 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 96.63 Mbit/s
95th percentile per-packet one-way delay: 51.455 ms
Loss rate: 0.29%
Run 4: Report of TCP Vegas — Data Link

Throughput (Mbps)

Time (s)

Flow 1 ingress (mean 96.57 Mbit/s)  Flow 1 egress (mean 96.63 Mbit/s)

Per-packet end-to-end delay (ms)

Time (s)

Flow 1 (95th percentile 51.45 ms)
Run 5: Statistics of TCP Vegas

Start at: 2018-06-07 12:54:06
End at: 2018-06-07 12:54:36
Local clock offset: -0.27 ms
Remote clock offset: 0.261 ms

# Below is generated by plot.py at 2018-06-07 16:12:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.21 Mbit/s
95th percentile per-packet one-way delay: 50.551 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 63.21 Mbit/s
95th percentile per-packet one-way delay: 50.551 ms
Loss rate: 0.41%
Run 5: Report of TCP Vegas — Data Link

![Graph 1]

- Flow 1 ingress (mean 63.24 Mbit/s)
- Flow 1 egress (mean 63.21 Mbit/s)

![Graph 2]

- Flow 1 (95th percentile 50.55 ms)
Run 6: Statistics of TCP Vegas

End at: 2018-06-07 13:14:41
Local clock offset: -0.083 ms
Remote clock offset: 0.083 ms

# Below is generated by plot.py at 2018-06-07 16:12:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 157.56 Mbit/s
95th percentile per-packet one-way delay: 51.099 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 157.56 Mbit/s
95th percentile per-packet one-way delay: 51.099 ms
Loss rate: 0.34%
Run 6: Report of TCP Vegas — Data Link

![Graph 1: Throughput vs Time]

![Graph 2: Packet Delay vs Time]

255
Run 7: Statistics of TCP Vegas

Start at: 2018-06-07 13:34:31
End at: 2018-06-07 13:35:01
Local clock offset: 0.021 ms
Remote clock offset: -0.075 ms

# Below is generated by plot.py at 2018-06-07 16:12:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 221.15 Mbit/s
95th percentile per-packet one-way delay: 57.414 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 221.15 Mbit/s
95th percentile per-packet one-way delay: 57.414 ms
Loss rate: 0.15%
Run 7: Report of TCP Vegas — Data Link

![Graph showing throughput and packet delay over time]

- **Throughput (Mbps)**
  - X-axis: Time (s)
  - Y-axis: Throughput (Mbps)

- **Packet Delay (ms)**
  - X-axis: Time (s)
  - Y-axis: Packet delay (ms)

Legend:
- **Flow 1 ingress (mean 220.70 Mbps)**
- **Flow 1 egress (mean 221.13 Mbps)**
- **Flow 1 (95th percentile 57.41 ms)**
Run 8: Statistics of TCP Vegas

Local clock offset: -0.089 ms
Remote clock offset: -0.131 ms

# Below is generated by plot.py at 2018-06-07 16:12:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 99.87 Mbit/s
95th percentile per-packet one-way delay: 51.705 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 99.87 Mbit/s
95th percentile per-packet one-way delay: 51.705 ms
Loss rate: 0.36%
Run 8: Report of TCP Vegas — Data Link
Run 9: Statistics of TCP Vegas

Start at: 2018-06-07 14:15:02
End at: 2018-06-07 14:15:32
Local clock offset: -0.19 ms
Remote clock offset: 0.181 ms

# Below is generated by plot.py at 2018-06-07 16:12:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 151.96 Mbit/s
95th percentile per-packet one-way delay: 51.713 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 151.96 Mbit/s
95th percentile per-packet one-way delay: 51.713 ms
Loss rate: 0.32%
Run 9: Report of TCP Vegas — Data Link

![Graph showing throughput and packet delay over time for Flow 1 with ingress and egress rates near 151.92 Mbps and 151.96 Mbps respectively.]

![Graph showing packet delay over time with 95th percentile at 51.71 ms for Flow 1.]
Run 10: Statistics of TCP Vegas

Start at: 2018-06-07 14:35:35
End at: 2018-06-07 14:36:05
Local clock offset: -0.047 ms
Remote clock offset: 0.325 ms

# Below is generated by plot.py at 2018-06-07 16:12:26
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 179.22 Mbit/s
  95th percentile per-packet one-way delay: 51.851 ms
  Loss rate: 0.37%
-- Flow 1:
  Average throughput: 179.22 Mbit/s
  95th percentile per-packet one-way delay: 51.851 ms
  Loss rate: 0.37%
Run 10: Report of TCP Vegas — Data Link

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

Legend:
- Flow 1 ingress (mean 179.24 Mbit/s)
- Flow 1 egress (mean 179.22 Mbit/s)

Flow 1 (95th percentile 51.85 ms)
Run 1: Statistics of Verus

End at: 2018-06-07 11:44:17
Local clock offset: -0.073 ms
Remote clock offset: 0.271 ms

# Below is generated by plot.py at 2018-06-07 16:13:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 215.96 Mbit/s
95th percentile per-packet one-way delay: 70.509 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 215.96 Mbit/s
95th percentile per-packet one-way delay: 70.509 ms
Loss rate: 0.40%
Run 1: Report of Verus — Data Link
Run 2: Statistics of Verus

Start at: 2018-06-07 12:04:10
End at: 2018-06-07 12:04:40
Local clock offset: -0.079 ms
Remote clock offset: 0.065 ms

# Below is generated by plot.py at 2018-06-07 16:14:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 267.60 Mbit/s
95th percentile per-packet one-way delay: 113.851 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 267.60 Mbit/s
95th percentile per-packet one-way delay: 113.851 ms
Loss rate: 0.69%
Run 2: Report of Verus — Data Link

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

*Flow 1 ingress (mean 267.11 Mbit/s) vs Flow 1 egress (mean 267.60 Mbit/s)*

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

*Flow 1 (95th percentile 113.85 ms)*
Run 3: Statistics of Verus

Start at: 2018-06-07 12:24:47
End at: 2018-06-07 12:25:17
Local clock offset: -0.197 ms
Remote clock offset: 0.064 ms

# Below is generated by plot.py at 2018-06-07 16:15:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 259.44 Mbit/s
95th percentile per-packet one-way delay: 73.602 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 259.44 Mbit/s
95th percentile per-packet one-way delay: 73.602 ms
Loss rate: 0.36%
Run 3: Report of Verus — Data Link

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

- **Flow 1 ingress (mean 259.47 Mbit/s)**
- **Flow 1 egress (mean 259.44 Mbit/s)**

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

- **Flow 1 (95th percentile 73.60 ms)**
Run 4: Statistics of Verus

Start at: 2018-06-07 12:44:36
End at: 2018-06-07 12:45:06
Local clock offset: -0.238 ms
Remote clock offset: -0.008 ms

# Below is generated by plot.py at 2018-06-07 16:15:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 246.83 Mbit/s
95th percentile per-packet one-way delay: 103.029 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 246.83 Mbit/s
95th percentile per-packet one-way delay: 103.029 ms
Loss rate: 0.34%
Run 4: Report of Verus — Data Link

Throughput (Mbps)

Time (s)

Flow 1 ingress (mean 246.81 Mbit/s)
Flow 1 egress (mean 246.83 Mbit/s)

Per packet one way delay (ms)

Time (s)

Flow 1 (95th percentile 103.03 ms)
Run 5: Statistics of Verus

Start at: 2018-06-07 13:04:41
End at: 2018-06-07 13:05:11
Local clock offset: -1.615 ms
Remote clock offset: 0.076 ms

# Below is generated by plot.py at 2018-06-07 16:15:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 206.69 Mbit/s
95th percentile per-packet one-way delay: 62.422 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 206.69 Mbit/s
95th percentile per-packet one-way delay: 62.422 ms
Loss rate: 0.77%
Run 5: Report of Verus — Data Link
Run 6: Statistics of Verus

Local clock offset: -0.348 ms
Remote clock offset: -0.08 ms

# Below is generated by plot.py at 2018-06-07 16:16:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 251.65 Mbit/s
95th percentile per-packet one-way delay: 78.770 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 251.65 Mbit/s
95th percentile per-packet one-way delay: 78.770 ms
Loss rate: 0.00%
Run 6: Report of Verus — Data Link

![Graph of Throughput and Packet Delay](image-url)

- **Throughput**: The throughput is depicted with two lines, one for Flow 1 ingress (mean 251.65 Mbit/s) and another for Flow 1 egress (mean 251.65 Mbit/s).
- **Packet Delay**: The delay for Flow 1 is shown, with a 95th percentile of 78.77 ms.
Run 7: Statistics of Verus

Start at: 2018-06-07 13:45:12
End at: 2018-06-07 13:45:42
Local clock offset: -0.048 ms
Remote clock offset: -0.126 ms

# Below is generated by plot.py at 2018-06-07 16:16:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 254.88 Mbit/s
95th percentile per-packet one-way delay: 137.148 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 254.88 Mbit/s
95th percentile per-packet one-way delay: 137.148 ms
Loss rate: 0.35%
Run 7: Report of Verus — Data Link

![Graph 1: Throughput (Mbps)]

- **Flow 1 ingress** (mean 255.05 Mbit/s)
- **Flow 1 egress** (mean 254.88 Mbit/s)

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

- Flow 1 (95th percentile 137.15 ms)
Run 8: Statistics of Verus

Start at: 2018-06-07 14:05:14
End at: 2018-06-07 14:05:44
Local clock offset: -0.167 ms
Remote clock offset: -0.098 ms

# Below is generated by plot.py at 2018-06-07 16:17:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 273.37 Mbit/s
95th percentile per-packet one-way delay: 201.957 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 273.37 Mbit/s
95th percentile per-packet one-way delay: 201.957 ms
Loss rate: 0.49%
Run 8: Report of Verus — Data Link
Run 9: Statistics of Verus

Start at: 2018-06-07 14:25:32
End at: 2018-06-07 14:26:02
Local clock offset: -0.32 ms
Remote clock offset: 0.279 ms

# Below is generated by plot.py at 2018-06-07 16:18:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 272.65 Mbit/s
95th percentile per-packet one-way delay: 160.791 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 272.65 Mbit/s
95th percentile per-packet one-way delay: 160.791 ms
Loss rate: 0.96%
Run 9: Report of Verus — Data Link
Run 10: Statistics of Verus

End at: 2018-06-07 14:46:59
Local clock offset: -0.255 ms
Remote clock offset: 0.698 ms

# Below is generated by plot.py at 2018-06-07 16:19:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 287.58 Mbit/s
95th percentile per-packet one-way delay: 195.878 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 287.58 Mbit/s
95th percentile per-packet one-way delay: 195.878 ms
Loss rate: 1.10%
Run 10: Report of Verus — Data Link

![Graph of throughput over time](image)

- Flow 1 ingress (mean 290.36 Mbit/s)
- Flow 1 egress (mean 287.58 Mbit/s)

![Graph of packet per second over time](image)

- Flow 1 (95th percentile 195.80 ms)
Run 1: Statistics of PCC-Vivace

Start at: 2018-06-07 11:35:37
End at: 2018-06-07 11:36:07
Local clock offset: -0.221 ms
Remote clock offset: 0.249 ms

# Below is generated by plot.py at 2018-06-07 16:21:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 368.28 Mbit/s
95th percentile per-packet one-way delay: 55.977 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 368.28 Mbit/s
95th percentile per-packet one-way delay: 55.977 ms
Loss rate: 0.26%
Run 1: Report of PCC-Vivace — Data Link

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

- Flow 1 ingress (mean 367.95 Mbit/s)
- Flow 1 egress (mean 368.28 Mbit/s)

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

- Flow 1 (95th percentile 55.98 ms)
Run 2: Statistics of PCC-Vivace

Start at: 2018-06-07 11:56:06
End at: 2018-06-07 11:56:36
Local clock offset: -0.165 ms
Remote clock offset: 0.117 ms

# Below is generated by plot.py at 2018-06-07 16:21:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 360.87 Mbit/s
95th percentile per-packet one-way delay: 55.517 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 360.87 Mbit/s
95th percentile per-packet one-way delay: 55.517 ms
Loss rate: 0.47%
Run 2: Report of PCC-Vivace — Data Link
Run 3: Statistics of PCC-Vivace

Start at: 2018-06-07 12:16:40
End at: 2018-06-07 12:17:10
Local clock offset: -1.337 ms
Remote clock offset: -0.052 ms

# Below is generated by plot.py at 2018-06-07 16:21:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 359.22 Mbit/s
95th percentile per-packet one-way delay: 53.729 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 359.22 Mbit/s
95th percentile per-packet one-way delay: 53.729 ms
Loss rate: 0.43%
Run 3: Report of PCC-Vivace — Data Link

![Graph of throughput (Mbps) vs. time (s)]

- **Flow 1 ingress (mean 359.51 Mbps)**
- **Flow 1 egress (mean 359.22 Mbps)**

![Graph of per-packet one-way delay (ms) vs. time (s)]

- **Flow 1 (95th percentile 53.73 ms)**
Run 4: Statistics of PCC-Vivace

Start at: 2018-06-07 12:36:39
End at: 2018-06-07 12:37:09
Local clock offset: -1.65 ms
Remote clock offset: -0.313 ms

# Below is generated by plot.py at 2018-06-07 16:22:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 318.91 Mbit/s
95th percentile per-packet one-way delay: 52.887 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 318.91 Mbit/s
95th percentile per-packet one-way delay: 52.887 ms
Loss rate: 0.43%
Run 4: Report of PCC-Vivace — Data Link
Run 5: Statistics of PCC-Vivace

Start at: 2018-06-07 12:56:32
End at: 2018-06-07 12:57:02
Local clock offset: -0.126 ms
Remote clock offset: -0.169 ms

# Below is generated by plot.py at 2018-06-07 16:23:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 380.03 Mbit/s
95th percentile per-packet one-way delay: 127.328 ms
Loss rate: 0.26%

-- Flow 1:
Average throughput: 380.03 Mbit/s
95th percentile per-packet one-way delay: 127.328 ms
Loss rate: 0.26%
Run 5: Report of PCC-Vivace — Data Link

![Graph 1: Throughput (Mbps)]

- Flow 1 ingress (mean 379.71 Mbps)
- Flow 1 egress (mean 380.03 Mbps)

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

- Flow 1 (95th percentile 127.33 ms)
Run 6: Statistics of PCC-Vivace

End at: 2018-06-07 13:17:05
Local clock offset: -0.521 ms
Remote clock offset: -0.386 ms

# Below is generated by plot.py at 2018-06-07 16:23:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 370.56 Mbit/s
95th percentile per-packet one-way delay: 50.960 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 370.56 Mbit/s
95th percentile per-packet one-way delay: 50.960 ms
Loss rate: 0.33%
Run 6: Report of PCC-Vivace — Data Link

![Graph 1: Throughput (Mbps)]

- Flow 1 ingress (mean 370.53 Mbit/s)
- Flow 1 egress (mean 370.56 Mbit/s)

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

- Flow 1 (95th percentile 50.96 ms)
Run 7: Statistics of PCC-Vivace

Local clock offset: 0.037 ms
Remote clock offset: 0.037 ms

# Below is generated by plot.py at 2018-06-07 16:24:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 410.87 Mbit/s
95th percentile per-packet one-way delay: 54.854 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 410.87 Mbit/s
95th percentile per-packet one-way delay: 54.854 ms
Loss rate: 0.38%
Run 7: Report of PCC-Vivace — Data Link
Run 8: Statistics of PCC-Vivace

End at: 2018-06-07 13:57:34
Local clock offset: 0.005 ms
Remote clock offset: 0.066 ms

# Below is generated by plot.py at 2018-06-07 16:24:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 378.47 Mbit/s
95th percentile per-packet one-way delay: 54.175 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 378.47 Mbit/s
95th percentile per-packet one-way delay: 54.175 ms
Loss rate: 0.35%
Run 8: Report of PCC-Vivace — Data Link
Run 9: Statistics of PCC-Vivace

Start at: 2018-06-07 14:17:22
End at: 2018-06-07 14:17:52
Local clock offset: ~0.025 ms
Remote clock offset: 0.562 ms

# Below is generated by plot.py at 2018-06-07 16:25:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 403.59 Mbit/s
95th percentile per-packet one-way delay: 55.094 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 403.59 Mbit/s
95th percentile per-packet one-way delay: 55.094 ms
Loss rate: 0.36%
Run 9: Report of PCC-Vivace — Data Link

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

*Flow 1 ingress (mean 403.60 Mbit/s)  Flow 1 egress (mean 403.59 Mbit/s)*

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

*Flow 1 (95th percentile 55.09 ms)*
Run 10: Statistics of PCC-Vivace

Start at: 2018-06-07 14:38:15
End at: 2018-06-07 14:38:45
Local clock offset: -0.075 ms
Remote clock offset: 0.729 ms

# Below is generated by plot.py at 2018-06-07 16:25:13
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 417.17 Mbit/s
  95th percentile per-packet one-way delay: 55.373 ms
  Loss rate: 0.35%
-- Flow 1:
  Average throughput: 417.17 Mbit/s
  95th percentile per-packet one-way delay: 55.373 ms
  Loss rate: 0.35%
Run 10: Report of PCC-Vivace — Data Link
Run 1: Statistics of WebRTC media

Start at: 2018-06-07 11:45:05
End at: 2018-06-07 11:45:36
Local clock offset: -0.029 ms
Remote clock offset: 0.004 ms

# Below is generated by plot.py at 2018-06-07 16:25:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 53.745 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 53.745 ms
Loss rate: 0.43%
Run 1: Report of WebRTC media — Data Link
Run 2: Statistics of WebRTC media

Start at: 2018-06-07 12:05:32
End at: 2018-06-07 12:06:02
Local clock offset: -0.206 ms
Remote clock offset: 0.018 ms

# Below is generated by plot.py at 2018-06-07 16:25:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 50.192 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 50.192 ms
Loss rate: 0.45%
Run 2: Report of WebRTC media — Data Link

The first graph shows throughput over time for two data flows:
- **Flow 1 ingress (mean 1.96 Mbit/s)**
- **Flow 1 egress (mean 1.95 Mbit/s)**

The second graph displays the packet per-way delay over time for:
- **Flow 1 (95th percentile 50.19 ms)**
Run 3: Statistics of WebRTC media

Start at: 2018-06-07 12:26:08  
End at: 2018-06-07 12:26:38  
Local clock offset: -0.154 ms  
Remote clock offset: 0.46 ms

# Below is generated by plot.py at 2018-06-07 16:25:13
# Datalink statistics
  -- Total of 1 flow:  
  Average throughput: 1.97 Mbit/s  
  95th percentile per-packet one-way delay: 53.221 ms  
  Loss rate: 0.50%  
  -- Flow 1:  
  Average throughput: 1.97 Mbit/s  
  95th percentile per-packet one-way delay: 53.221 ms  
  Loss rate: 0.50%
Run 3: Report of WebRTC media — Data Link
Run 4: Statistics of WebRTC media

Start at: 2018-06-07 12:45:57
End at: 2018-06-07 12:46:27
Local clock offset: -0.083 ms
Remote clock offset: -0.075 ms

# Below is generated by plot.py at 2018-06-07 16:25:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 53.869 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 53.869 ms
Loss rate: 0.38%
Run 4: Report of WebRTC media — Data Link
Run 5: Statistics of WebRTC media

Start at: 2018-06-07 13:05:59
End at: 2018-06-07 13:06:29
Local clock offset: -0.121 ms
Remote clock offset: 0.07 ms

# Below is generated by plot.py at 2018-06-07 16:25:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 53.762 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 53.762 ms
Loss rate: 0.53%
Run 5: Report of WebRTC media — Data Link
Run 6: Statistics of WebRTC media

Start at: 2018-06-07 13:26:04
End at: 2018-06-07 13:26:35
Local clock offset: -0.175 ms
Remote clock offset: -0.159 ms

# Below is generated by plot.py at 2018-06-07 16:25:13
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 1.95 Mbit/s
  95th percentile per-packet one-way delay: 53.908 ms
  Loss rate: 0.43%
-- Flow 1:
  Average throughput: 1.95 Mbit/s
  95th percentile per-packet one-way delay: 53.908 ms
  Loss rate: 0.43%
Run 6: Report of WebRTC media — Data Link

![Graph showing throughput and packet delivery time](image-url)
Run 7: Statistics of WebRTC media

End at: 2018-06-07 13:47:03
Local clock offset: -0.108 ms
Remote clock offset: -0.108 ms

# Below is generated by plot.py at 2018-06-07 16:25:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 53.934 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 53.934 ms
Loss rate: 0.42%
Run 7: Report of WebRTC media — Data Link

[Graphs showing throughput and packet delay over time]

- Flow 1 ingress (mean 1.96 Mbit/s)
- Flow 1 egress (mean 1.96 Mbit/s)
Run 8: Statistics of WebRTC media

Start at: 2018-06-07 14:06:37
End at: 2018-06-07 14:07:07
Local clock offset: -0.267 ms
Remote clock offset: 0.154 ms

# Below is generated by plot.py at 2018-06-07 16:25:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 53.983 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 53.983 ms
Loss rate: 0.36%
Run 8: Report of WebRTC media — Data Link

![Graph showing throughput over time for two flows.

Flow 1 ingress (mean 1.92 Mbit/s) and Flow 1 egress (mean 1.92 Mbit/s)

![Graph showing per-packet one-way delay over time for Flow 1.

Flow 1 (95th percentile 53.98 ms)
Run 9: Statistics of WebRTC media

Start at: 2018-06-07 14:26:55
End at: 2018-06-07 14:27:25
Local clock offset: 0.005 ms
Remote clock offset: 0.522 ms

# Below is generated by plot.py at 2018-06-07 16:25:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 50.301 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 50.301 ms
Loss rate: 0.37%
Run 10: Statistics of WebRTC media

Start at: 2018-06-07 14:47:52
End at: 2018-06-07 14:48:22
Local clock offset: 0.142 ms
Remote clock offset: 0.786 ms

# Below is generated by plot.py at 2018-06-07 16:25:13
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 1.94 Mbit/s
  95th percentile per-packet one-way delay: 53.779 ms
  Loss rate: 0.36%
-- Flow 1:
  Average throughput: 1.94 Mbit/s
  95th percentile per-packet one-way delay: 53.779 ms
  Loss rate: 0.36%
Run 10: Report of WebRTC media — Data Link

![Graphs showing throughput and packet delay over time for WebRTC media.]