Pantheon Report

Generated at 2018-04-11 01:47:50 (UTC).
Data path: GCE London Ethernet (remote) → GCE Sydney Ethernet (local).
Repeated the test of 17 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).
Tested BBR with qdisc of Fair Queuing (fq), and other schemes with the default Linux qdisc (pfifo_fast).

Git summary:
branch: master @ eb420b5be9bafcc22df68b99ff5a2000462fc59
third_party/calibrated_koho @ 3cb73c0d1c0322cda4e446ea37a522e53227db50
  M datagram/p(sender.cc
third_party/fillp @ 11f8c46a2bf1dc797253db7e8ca04076272ba44
third_party/genericCC @ 9249eea3238475c4d8cca143d28df70b6f6c4a2
third_party/indigo @ a9b2060d39e4da2ea9987e8933e3ca26c7cd079
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0edcbf90c77e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b93ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808ea928ea4f1083a6681
  M datagram/p(sender.cc
third_party/libutp @ b3465b942e2826f2b179eab4a906ceеб7f6f3f
third_party/pantheon-tunnel @ fb1053193c2861da59ba9013db26744ccfcf993
third_party/pcc @ 1af9c958fa0d66d18b623c091a55ffec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143bc978f3c4f22
third_party/scream @ c3370f6d7bd717265a79ab34e016ad23f5965885
third_party/sourdough @ f1a14b4ff7497347f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375ee8ee265089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a26114d9af2629562939af9a49
  M src/verus.hpp
  M tools/pl_d.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webRTC @ f271183af822ee5d0031620f4bebf38aede5581
test from GCE London Ethernet to GCE Sydney Ethernet, 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>72.92</td>
<td>136.56</td>
<td>1.01</td>
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<td>TCP Cubic</td>
<td>10</td>
<td>78.16</td>
<td>145.52</td>
<td>1.00</td>
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<td>LEDBAT</td>
<td>10</td>
<td>4.39</td>
<td>137.56</td>
<td>1.93</td>
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<td>PCC</td>
<td>10</td>
<td>499.79</td>
<td>235.34</td>
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<td>136.07</td>
<td>1.32</td>
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<td>SCReAM</td>
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<td>0.22</td>
<td>136.23</td>
<td>0.88</td>
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<td>WebRTC media</td>
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<td>136.69</td>
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<td>TaoVA-100x</td>
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<td>161.17</td>
<td>137.68</td>
<td>0.96</td>
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<td>TCP Vegas</td>
<td>10</td>
<td>72.40</td>
<td>144.05</td>
<td>0.96</td>
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<tr>
<td>Verus</td>
<td>10</td>
<td>141.06</td>
<td>239.40</td>
<td>2.51</td>
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<tr>
<td>Copa</td>
<td>10</td>
<td>72.59</td>
<td>136.25</td>
<td>0.90</td>
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<td>FillP</td>
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<td>312.23</td>
<td>321.60</td>
<td>12.85</td>
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<td>Indigo-1-32</td>
<td>10</td>
<td>139.85</td>
<td>137.24</td>
<td>0.96</td>
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<td>Vivace-latency</td>
<td>10</td>
<td>258.42</td>
<td>168.53</td>
<td>1.72</td>
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<td>Vivace-loss</td>
<td>10</td>
<td>162.14</td>
<td>287.17</td>
<td>8.09</td>
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<tr>
<td>Vivace-LTE</td>
<td>10</td>
<td>292.17</td>
<td>246.69</td>
<td>2.17</td>
</tr>
</tbody>
</table>
Run 1: Statistics of TCP BBR

Start at: 2018-04-10 19:39:24
End at: 2018-04-10 19:39:54

# Below is generated by plot.py at 2018-04-11 00:52:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.87 Mbit/s
95th percentile per-packet one-way delay: 136.798 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 73.87 Mbit/s
95th percentile per-packet one-way delay: 136.798 ms
Loss rate: 1.01%
Run 1: Report of TCP BBR — Data Link
Run 2: Statistics of TCP BBR

Start at: 2018-04-10 19:54:43

# Below is generated by plot.py at 2018-04-11 00:52:37
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 72.22 Mbit/s
  95th percentile per-packet one-way delay: 136.834 ms
  Loss rate: 1.00%
-- Flow 1:
  Average throughput: 72.22 Mbit/s
  95th percentile per-packet one-way delay: 136.834 ms
  Loss rate: 1.00%
Run 2: Report of TCP BBR — Data Link
Run 3: Statistics of TCP BBR

Start at: 2018-04-10 20:10:08
End at: 2018-04-10 20:10:38

# Below is generated by plot.py at 2018-04-11 00:52:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.12 Mbit/s
95th percentile per-packet one-way delay: 136.706 ms
Loss rate: 0.96%

-- Flow 1:
Average throughput: 74.12 Mbit/s
95th percentile per-packet one-way delay: 136.706 ms
Loss rate: 0.96%
Run 3: Report of TCP BBR — Data Link

[Graph showing throughput over time with two lines representing flow ingress and egress.]
Run 4: Statistics of TCP BBR

Start at: 2018-04-10 20:25:22
End at: 2018-04-10 20:25:52

# Below is generated by plot.py at 2018-04-11 00:52:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.96 Mbit/s
95th percentile per-packet one-way delay: 136.672 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 71.96 Mbit/s
95th percentile per-packet one-way delay: 136.672 ms
Loss rate: 0.98%
Run 4: Report of TCP BBR — Data Link
Run 5: Statistics of TCP BBR

Start at: 2018-04-10 20:40:44
End at: 2018-04-10 20:41:14

# Below is generated by plot.py at 2018-04-11 00:52:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.74 Mbit/s
95th percentile per-packet one-way delay: 136.222 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 73.74 Mbit/s
95th percentile per-packet one-way delay: 136.222 ms
Loss rate: 0.97%
Run 5: Report of TCP BBR — Data Link

![Graph showing network performance metrics over time.](image-url)
Run 6: Statistics of TCP BBR

Start at: 2018-04-10 20:56:24
End at: 2018-04-10 20:56:54

# Below is generated by plot.py at 2018-04-11 00:52:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.14 Mbit/s
95th percentile per-packet one-way delay: 136.195 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 72.14 Mbit/s
95th percentile per-packet one-way delay: 136.195 ms
Loss rate: 1.09%
Run 6: Report of TCP BBR — Data Link

![Graph showing throughput over time with markers indicating data ingress and egress speeds.]

![Graph showing packet one-way delay with markers indicating 95th percentile.]

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15
Run 7: Statistics of TCP BBR

Start at: 2018-04-10 21:11:48
End at: 2018-04-10 21:12:18

# Below is generated by plot.py at 2018-04-11 00:52:38
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 72.22 Mbit/s
  95th percentile per-packet one-way delay: 136.398 ms
  Loss rate: 1.08%
-- Flow 1:
  Average throughput: 72.22 Mbit/s
  95th percentile per-packet one-way delay: 136.398 ms
  Loss rate: 1.08%
Run 7: Report of TCP BBR — Data Link

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

- **Flow 1 ingress** (mean 72.34 Mbit/s)
- **Flow 1 egress** (mean 72.22 Mbit/s)

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

- **Flow 1 (95th percentile 136.40 ms)**
Run 8: Statistics of TCP BBR

Start at: 2018-04-10 21:27:35
End at: 2018-04-10 21:28:05

# Below is generated by plot.py at 2018-04-11 00:52:38
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 72.04 Mbit/s
  95th percentile per-packet one-way delay: 136.498 ms
  Loss rate: 0.99%
-- Flow 1:
  Average throughput: 72.04 Mbit/s
  95th percentile per-packet one-way delay: 136.498 ms
  Loss rate: 0.99%
Run 8: Report of TCP BBR — Data Link
Run 9: Statistics of TCP BBR

Start at: 2018-04-10 21:43:15
End at: 2018-04-10 21:43:45

# Below is generated by plot.py at 2018-04-11 00:53:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.16 Mbit/s
95th percentile per-packet one-way delay: 136.406 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 74.16 Mbit/s
95th percentile per-packet one-way delay: 136.406 ms
Loss rate: 1.01%
Run 9: Report of TCP BBR — Data Link
Run 10: Statistics of TCP BBR

Start at: 2018-04-10 21:58:45
End at: 2018-04-10 21:59:15

# Below is generated by plot.py at 2018-04-11 00:53:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.69 Mbit/s
95th percentile per-packet one-way delay: 136.822 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 72.69 Mbit/s
95th percentile per-packet one-way delay: 136.822 ms
Loss rate: 0.97%
Run 10: Report of TCP BBR — Data Link
Run 1: Statistics of TCP Cubic

Start at: 2018-04-10 19:45:07
End at: 2018-04-10 19:45:37

# Below is generated by plot.py at 2018-04-11 00:54:01
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 83.83 Mbit/s
  95th percentile per-packet one-way delay: 145.050 ms
  Loss rate: 0.98%
-- Flow 1:
  Average throughput: 83.83 Mbit/s
  95th percentile per-packet one-way delay: 145.050 ms
  Loss rate: 0.98%
Run 1: Report of TCP Cubic — Data Link

![Graph of throughput vs time](image1)

- Flow 1 ingress (mean 83.90 Mbit/s)
- Flow 1 egress (mean 83.83 Mbit/s)

![Graph of per-packet end-to-end delay vs time](image2)

- Flow 1 (95th percentile 145.05 ms)
Run 2: Statistics of TCP Cubic

Start at: 2018-04-10 20:00:30
End at: 2018-04-10 20:01:00

# Below is generated by plot.py at 2018-04-11 00:54:01
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 70.12 Mbit/s
  95th percentile per-packet one-way delay: 145.190 ms
  Loss rate: 0.76%
-- Flow 1:
  Average throughput: 70.12 Mbit/s
  95th percentile per-packet one-way delay: 145.190 ms
  Loss rate: 0.76%
Run 2: Report of TCP Cubic — Data Link
Run 3: Statistics of TCP Cubic

Start at: 2018-04-10 20:15:50
End at: 2018-04-10 20:16:20

# Below is generated by plot.py at 2018-04-11 00:54:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.68 Mbit/s
95th percentile per-packet one-way delay: 143.136 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 48.68 Mbit/s
95th percentile per-packet one-way delay: 143.136 ms
Loss rate: 1.35%
Run 3: Report of TCP Cubic — Data Link

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

- Flow 1 ingress (mean 48.90 Mbps)
- Flow 1 egress (mean 48.68 Mbps)

![Graph 2: Per-packet One-Way Delay vs Time (ms)]

- Flow 1 (95th percentile 143.14 ms)
Run 4: Statistics of TCP Cubic

Start at: 2018-04-10 20:31:06
End at: 2018-04-10 20:31:36

# Below is generated by plot.py at 2018-04-11 00:54:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.85 Mbit/s
95th percentile per-packet one-way delay: 145.954 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 83.85 Mbit/s
95th percentile per-packet one-way delay: 145.954 ms
Loss rate: 0.99%
Run 4: Report of TCP Cubic — Data Link

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

![Graph 2: Per packet one way delay (ms)](image2)
Run 5: Statistics of TCP Cubic

Start at: 2018-04-10 20:46:51
End at: 2018-04-10 20:47:21

# Below is generated by plot.py at 2018-04-11 00:54:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.72 Mbit/s
95th percentile per-packet one-way delay: 145.763 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 83.72 Mbit/s
95th percentile per-packet one-way delay: 145.763 ms
Loss rate: 0.99%
Run 5: Report of TCP Cubic — Data Link

![Graph 1: Throughput (Mbps)]

- **Flow 1 ingress (mean 83.80 Mbit/s)**
- **Flow 1 egress (mean 83.72 Mbit/s)**

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

- **Flow 1 (95th percentile 145.76 ms)**
Run 6: Statistics of TCP Cubic

Start at: 2018-04-10 21:02:10
End at: 2018-04-10 21:02:40

# Below is generated by plot.py at 2018-04-11 00:54:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.92 Mbit/s
95th percentile per-packet one-way delay: 146.217 ms
Loss rate: 0.98%

-- Flow 1:
Average throughput: 83.92 Mbit/s
95th percentile per-packet one-way delay: 146.217 ms
Loss rate: 0.98%
Run 6: Report of TCP Cubic — Data Link

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

- Flow 1 ingress (mean 83.99 Mbit/s)
- Flow 1 egress (mean 83.92 Mbit/s)

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

- Flow 1 (95th percentile 146.22 ms)
Run 7: Statistics of TCP Cubic

Start at: 2018-04-10 21:17:56
End at: 2018-04-10 21:18:26

# Below is generated by plot.py at 2018-04-11 00:55:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.76 Mbit/s
95th percentile per-packet one-way delay: 146.311 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 83.76 Mbit/s
95th percentile per-packet one-way delay: 146.311 ms
Loss rate: 0.99%
Run 7: Report of TCP Cubic — Data Link

![Graph showing throughput and per-packet one-way delay as a function of time. The throughput graph has a y-axis labeled 'Throughput (Mbps)' ranging from 0 to 100 and an x-axis labeled 'Time (s)' ranging from 0 to 30. The per-packet one-way delay graph has a y-axis labeled 'Per-packet one-way delay (ms)' ranging from 135 to 155 and an x-axis labeled 'Time (s)' ranging from 0 to 30. The graphs depict the performance of Flow 1 with ingress and egress mean rates of 83.84 Mbps and 83.76 Mbps respectively. The 95th percentile delay is 146.31 ms.]
Run 8: Statistics of TCP Cubic

Start at: 2018-04-10 21:33:24
End at: 2018-04-10 21:33:54

# Below is generated by plot.py at 2018-04-11 00:55:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.33 Mbit/s
95th percentile per-packet one-way delay: 144.868 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 83.33 Mbit/s
95th percentile per-packet one-way delay: 144.868 ms
Loss rate: 1.00%
Run 8: Report of TCP Cubic — Data Link
Run 9: Statistics of TCP Cubic

Start at: 2018-04-10 21:49:05
End at: 2018-04-10 21:49:35

# Below is generated by plot.py at 2018-04-11 00:55:18
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 83.85 Mbit/s
  95th percentile per-packet one-way delay: 145.452 ms
  Loss rate: 0.98%
-- Flow 1:
  Average throughput: 83.85 Mbit/s
  95th percentile per-packet one-way delay: 145.452 ms
  Loss rate: 0.98%
Run 9: Report of TCP Cubic — Data Link
Run 10: Statistics of TCP Cubic

Start at: 2018-04-10 22:04:32
End at: 2018-04-10 22:05:02

# Below is generated by plot.py at 2018-04-11 00:55:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.50 Mbit/s
95th percentile per-packet one-way delay: 147.217 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 76.50 Mbit/s
95th percentile per-packet one-way delay: 147.217 ms
Loss rate: 1.02%
Run 10: Report of TCP Cubic — Data Link
Run 1: Statistics of LEDBAT

Start at: 2018-04-10 19:38:40
End at: 2018-04-10 19:39:10

# Below is generated by plot.py at 2018-04-11 00:55:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.74 Mbit/s
95th percentile per-packet one-way delay: 137.837 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 4.74 Mbit/s
95th percentile per-packet one-way delay: 137.837 ms
Loss rate: 1.84%
Run 1: Report of LEDBAT — Data Link

![Graph of throughput and packet delay over time](image-url)
Run 2: Statistics of LEDBAT

Start at: 2018-04-10 19:54:00
End at: 2018-04-10 19:54:30

# Below is generated by plot.py at 2018-04-11 00:55:18
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 2.61 Mbit/s
  95th percentile per-packet one-way delay: 137.722 ms
  Loss rate: 2.42%
-- Flow 1:
  Average throughput: 2.61 Mbit/s
  95th percentile per-packet one-way delay: 137.722 ms
  Loss rate: 2.42%
Run 2: Report of LEDBAT — Data Link
Run 3: Statistics of LEDBAT

Start at: 2018-04-10 20:09:25
End at: 2018-04-10 20:09:55

# Below is generated by plot.py at 2018-04-11 00:55:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.74 Mbit/s
95th percentile per-packet one-way delay: 137.665 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 4.74 Mbit/s
95th percentile per-packet one-way delay: 137.665 ms
Loss rate: 1.84%
Run 3: Report of LEDBAT — Data Link

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

**Throughput (Mbps)**

- Flow 1 ingress (mean 4.79 Mb/s)
- Flow 1 egress (mean 4.74 Mb/s)

**Packet Delay (ms)**

- Flow 1 (90th percentile 137.66 ms)
Run 4: Statistics of LEDBAT

Start at: 2018-04-10 20:24:38
End at: 2018-04-10 20:25:08

# Below is generated by plot.py at 2018-04-11 00:55:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.79 Mbit/s
95th percentile per-packet one-way delay: 137.944 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 4.79 Mbit/s
95th percentile per-packet one-way delay: 137.944 ms
Loss rate: 1.80%
Run 4: Report of LEDBAT — Data Link
Run 5: Statistics of LEDBAT

Start at: 2018-04-10 20:40:01
End at: 2018-04-10 20:40:31

# Below is generated by plot.py at 2018-04-11 00:55:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.74 Mbit/s
95th percentile per-packet one-way delay: 137.155 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 4.74 Mbit/s
95th percentile per-packet one-way delay: 137.155 ms
Loss rate: 1.83%
Run 5: Report of LEDBAT — Data Link
Run 6: Statistics of LEDBAT

End at: 2018-04-10 20:56:11

# Below is generated by plot.py at 2018-04-11 00:55:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 137.218 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 137.218 ms
Loss rate: 1.84%
Run 6: Report of LEDBAT — Data Link

![Graph showing throughput over time with two lines representing flow ingress and egress speeds.]

![Graph showing packet delay over time with a line indicating the 95th percentile delay.]

Flow 1 ingress (mean 4.83 Mbit/s) vs Flow 1 egress (mean 4.76 Mbit/s)
Run 7: Statistics of LEDBAT

Start at: 2018-04-10 21:11:05
End at: 2018-04-10 21:11:35

# Below is generated by plot.py at 2018-04-11 00:55:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 137.201 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 137.201 ms
Loss rate: 1.84%
Run 7: Report of LEDBAT — Data Link

![Graphs showing network performance metrics](image-url)

- **Flow 1 ingress** (mean 4.83 Mbit/s)
- **Flow 1 egress** (mean 4.76 Mbit/s)

![Graphs showing packet delay](image-url)

- **Flow 1 (95th percentile 137.20 ms)**
Run 8: Statistics of LEDBAT

Start at: 2018-04-10 21:26:51
End at: 2018-04-10 21:27:21

# Below is generated by plot.py at 2018-04-11 00:55:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.85 Mbit/s
95th percentile per-packet one-way delay: 137.409 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 4.85 Mbit/s
95th percentile per-packet one-way delay: 137.409 ms
Loss rate: 1.82%
Run 8: Report of LEDBAT — Data Link

![Graph of Throughput vs Time](image)

- **Flow 1 ingress** (mean 4.89 Mbit/s)
- **Flow 1 egress** (mean 4.85 Mbit/s)

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

- **Flow 1 (95th percentile 137.41 ms)**

59
Run 9: Statistics of LEDBAT

Start at: 2018-04-10 21:42:31
End at: 2018-04-10 21:43:01

# Below is generated by plot.py at 2018-04-11 00:55:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.84 Mbit/s
95th percentile per-packet one-way delay: 137.430 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 4.84 Mbit/s
95th percentile per-packet one-way delay: 137.430 ms
Loss rate: 1.82%
Run 9: Report of LEDBAT — Data Link
Run 10: Statistics of LEDBAT

Start at: 2018-04-10 21:58:02
End at: 2018-04-10 21:58:32

# Below is generated by plot.py at 2018-04-11 00:55:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.04 Mbit/s
95th percentile per-packet one-way delay: 137.996 ms
Loss rate: 2.25%
-- Flow 1:
Average throughput: 3.04 Mbit/s
95th percentile per-packet one-way delay: 137.996 ms
Loss rate: 2.25%
Run 10: Report of LEDBAT — Data Link

![Diagram showing throughput vs time for two flows, one with 3.08 Mbps ingress and 3.04 Mbps egress, and another with variable delay.]

- Flow 1 ingress (mean 3.08 Mbps)
- Flow 1 egress (mean 3.04 Mbps)
- Flow 1 (95th percentile 138.00 ms)
Run 1: Statistics of PCC

Start at: 2018-04-10 19:30:42
End at: 2018-04-10 19:31:12

# Below is generated by plot.py at 2018-04-11 01:02:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 472.91 Mbit/s
95th percentile per-packet one-way delay: 262.526 ms
Loss rate: 4.01%
-- Flow 1:
Average throughput: 472.91 Mbit/s
95th percentile per-packet one-way delay: 262.526 ms
Loss rate: 4.01%
Run 1: Report of PCC — Data Link

![Graph showing network throughput over time](image1)

- **Flow 1 ingress** (mean 488.15 Mbit/s)
- **Flow 1 egress** (mean 472.91 Mbit/s)

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

- **Flow 1** (95th percentile 262.53 ms)
Run 2: Statistics of PCC

Start at: 2018-04-10 19:45:55
End at: 2018-04-10 19:46:25

# Below is generated by plot.py at 2018-04-11 01:03:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 489.92 Mbit/s
95th percentile per-packet one-way delay: 210.439 ms
Loss rate: 2.31%

-- Flow 1:
Average throughput: 489.92 Mbit/s
95th percentile per-packet one-way delay: 210.439 ms
Loss rate: 2.31%
Run 2: Report of PCC — Data Link

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

- **Flow 1 Ingress** (mean 496.96 Mb/s)
- **Flow 1 Egress** (mean 489.92 Mb/s)

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

- **Flow 1** (95th percentile 210.44 ms)
Run 3: Statistics of PCC

Start at: 2018-04-10 20:01:18
End at: 2018-04-10 20:01:48

# Below is generated by plot.py at 2018-04-11 01:03:41
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 547.08 Mbit/s
  95th percentile per-packet one-way delay: 187.703 ms
  Loss rate: 2.08%
-- Flow 1:
  Average throughput: 547.08 Mbit/s
  95th percentile per-packet one-way delay: 187.703 ms
  Loss rate: 2.08%
Run 3: Report of PCC — Data Link
Run 4: Statistics of PCC

Start at: 2018-04-10 20:16:36
End at: 2018-04-10 20:17:06

# Below is generated by plot.py at 2018-04-11 01:03:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 545.75 Mbit/s
95th percentile per-packet one-way delay: 234.429 ms
Loss rate: 2.66%
-- Flow 1:
Average throughput: 545.75 Mbit/s
95th percentile per-packet one-way delay: 234.429 ms
Loss rate: 2.66%
Run 4: Report of PCC — Data Link

**Throughput (Mbps)**

- Flow 1 ingress (mean 555.59 Mbps)
- Flow 1 egress (mean 545.75 Mbps)

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

- Flow 1 (95th percentile 234.43 ms)
Run 5: Statistics of PCC

Start at: 2018-04-10 20:31:55
End at: 2018-04-10 20:32:25

# Below is generated by plot.py at 2018-04-11 01:03:41
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 491.08 Mbit/s
  95th percentile per-packet one-way delay: 220.049 ms
  Loss rate: 3.58%
-- Flow 1:
  Average throughput: 491.08 Mbit/s
  95th percentile per-packet one-way delay: 220.049 ms
  Loss rate: 3.58%
Run 5: Report of PCC — Data Link

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

- Flow 1 Ingress (mean 304.62 Mbps)
- Flow 1 Egress (mean 491.08 Mbps)

![Graph 2: Per-Socket One-Way Delay (ms)](image2)

- Flow 1 (95th percentile 220.05 ms)
Run 6: Statistics of PCC

Start at: 2018-04-10 20:47:40
End at: 2018-04-10 20:48:10

# Below is generated by plot.py at 2018-04-11 01:03:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 486.87 Mbit/s
95th percentile per-packet one-way delay: 261.704 ms
Loss rate: 3.22%
-- Flow 1:
Average throughput: 486.87 Mbit/s
95th percentile per-packet one-way delay: 261.704 ms
Loss rate: 3.22%
Run 6: Report of PCC — Data Link

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

- **Flow 1 Ingress (mean 498.51 Mbps)**
- **Flow 1 Egress (mean 486.87 Mbps)**

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

- **Flow 1 (95th percentile 261.70 ms)**
Run 7: Statistics of PCC

Start at: 2018-04-10 21:02:58
End at: 2018-04-10 21:03:28

# Below is generated by plot.py at 2018-04-11 01:03:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 486.80 Mbit/s
95th percentile per-packet one-way delay: 244.605 ms
Loss rate: 4.02%
-- Flow 1:
Average throughput: 486.80 Mbit/s
95th percentile per-packet one-way delay: 244.605 ms
Loss rate: 4.02%
Run 7: Report of PCC — Data Link

![Throughput and Delay Graph](image)

- Flow 1 ingress (mean 302.57 Mbps)
- Flow 1 egress (mean 488.80 Mbps)

- Flow 1 (95th percentile 244.60 ms)
Run 8: Statistics of PCC

Start at: 2018-04-10 21:18:44
End at: 2018-04-10 21:19:14

# Below is generated by plot.py at 2018-04-11 01:04:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 527.65 Mbit/s
95th percentile per-packet one-way delay: 225.958 ms
Loss rate: 2.89%
-- Flow 1:
Average throughput: 527.65 Mbit/s
95th percentile per-packet one-way delay: 225.958 ms
Loss rate: 2.89%
Run 8: Report of PCC — Data Link

![Graph of Throughput vs Time]

- Flow 1 Ingress (mean 378.38 Mbit/s)
- Flow 1 Egress (mean 527.65 Mbit/s)

![Graph of Per-Server One-Way Delay vs Time]

- Flow 1 (95th percentile 225.96 ms)
Run 9: Statistics of PCC

Start at: 2018-04-10 21:34:12
End at: 2018-04-10 21:34:42

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 532.30 Mbit/s
95th percentile per-packet one-way delay: 262.329 ms
Loss rate: 3.03%
-- Flow 1:
Average throughput: 532.30 Mbit/s
95th percentile per-packet one-way delay: 262.329 ms
Loss rate: 3.03%
Run 9: Report of PCC — Data Link

![Graph showing throughput and delay over time for Flow 1 ingress and egress](image-url)
Run 10: Statistics of PCC

Start at: 2018-04-10 21:49:53
End at: 2018-04-10 21:50:23

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 417.57 Mbit/s
95th percentile per-packet one-way delay: 243.701 ms
Loss rate: 2.96%
-- Flow 1:
Average throughput: 417.57 Mbit/s
95th percentile per-packet one-way delay: 243.701 ms
Loss rate: 2.96%
Run 10: Report of PCC — Data Link

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

- Flow 1 ingress (mean 426.38 Mbps)
- Flow 1 egress (mean 417.57 Mbps)

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

- Flow 1 (95th percentile 243.70 ms)
Run 1: Statistics of QUIC Cubic

Start at: 2018-04-10 19:37:58
End at: 2018-04-10 19:38:29
Run 1: Report of QUIC Cubic — Data Link

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

[Flow 1 ingress (mean 0.04 Mbit/s) and Flow 1 egress (mean 0.04 Mbit/s)]
Run 2: Statistics of QUIC Cubic

Start at: 2018-04-10 19:53:15
End at: 2018-04-10 19:53:45

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 47.79 Mbit/s
  95th percentile per-packet one-way delay: 136.784 ms
  Loss rate: 1.36%
-- Flow 1:
  Average throughput: 47.79 Mbit/s
  95th percentile per-packet one-way delay: 136.784 ms
  Loss rate: 1.36%
Run 2: Report of QUIC Cubic — Data Link

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

- Flow 1 ingress (mean 48.01 Mbit/s)
- Flow 1 egress (mean 47.79 Mbit/s)
Run 3: Statistics of QUIC Cubic

Start at: 2018-04-10 20:08:38  
End at: 2018-04-10 20:09:08  

# Below is generated by plot.py at 2018-04-11 01:12:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 55.41 Mbit/s  
95th percentile per-packet one-way delay: 135.816 ms  
Loss rate: 1.21%  
-- Flow 1:  
Average throughput: 55.41 Mbit/s  
95th percentile per-packet one-way delay: 135.816 ms  
Loss rate: 1.21%
Run 3: Report of QUIC Cubic — Data Link

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

- Flow 1 ingress (mean 55.57 Mbps)
- Flow 1 egress (mean 55.41 Mbps)

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

- Flow 1 (95th percentile 135.82 ms)
Run 4: Statistics of QUIC Cubic

Start at: 2018-04-10 20:23:53
End at: 2018-04-10 20:24:23

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 47.30 Mbit/s
  95th percentile per-packet one-way delay: 135.799 ms
  Loss rate: 1.42%
-- Flow 1:
  Average throughput: 47.30 Mbit/s
  95th percentile per-packet one-way delay: 135.799 ms
  Loss rate: 1.42%
Run 4: Report of QUIC Cubic — Data Link
Run 5: Statistics of QUIC Cubic

Start at: 2018-04-10 20:39:15
End at: 2018-04-10 20:39:45

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.83 Mbit/s
95th percentile per-packet one-way delay: 135.866 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 52.83 Mbit/s
95th percentile per-packet one-way delay: 135.866 ms
Loss rate: 1.32%
Run 5: Report of QUIC Cubic — Data Link

![Data Link Throughput Graph](image1)

- Flow 1 ingress (mean 53.05 Mbit/s)
- Flow 1 egress (mean 52.83 Mbit/s)

![Packet delay Graph](image2)

- Flow 1 (95th percentile 135.87 ms)
Run 6: Statistics of QUIC Cubic

Start at: 2018-04-10 20:54:54
End at: 2018-04-10 20:55:24

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 60.06 Mbit/s
  95th percentile per-packet one-way delay: 136.465 ms
  Loss rate: 1.27%
-- Flow 1:
  Average throughput: 60.06 Mbit/s
  95th percentile per-packet one-way delay: 136.465 ms
  Loss rate: 1.27%
Run 6: Report of QUIC Cubic — Data Link
Run 7: Statistics of QUIC Cubic

Start at: 2018-04-10 21:10:18
End at: 2018-04-10 21:10:48

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.27 Mbit/s
95th percentile per-packet one-way delay: 136.806 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 56.27 Mbit/s
95th percentile per-packet one-way delay: 136.806 ms
Loss rate: 1.22%
Run 7: Report of QUIC Cubic — Data Link

![Graph of Throughput vs. Time]

- Flow 1 ingress (mean 56.45 Mbit/s)
- Flow 1 egress (mean 56.27 Mbit/s)

![Graph of Round Trip Time vs. Time]

- Flow 1 (55th percentile 136.81 ms)
Run 8: Statistics of QUIC Cubic

Start at: 2018-04-10 21:26:05
End at: 2018-04-10 21:26:35

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.92 Mbit/s
95th percentile per-packet one-way delay: 135.958 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 56.92 Mbit/s
95th percentile per-packet one-way delay: 135.958 ms
Loss rate: 1.21%
Run 8: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 57.09 Mbit/s)  Flow 1 egress (mean 56.92 Mbit/s)

Flow 1 (55th percentile 135.96 ms)
Run 9: Statistics of QUIC Cubic

Start at: 2018-04-10 21:41:46
End at: 2018-04-10 21:42:16

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 51.95 Mbit/s
  95th percentile per-packet one-way delay: 134.867 ms
  Loss rate: 1.45%
-- Flow 1:
  Average throughput: 51.95 Mbit/s
  95th percentile per-packet one-way delay: 134.867 ms
  Loss rate: 1.45%
Run 9: Report of QUIC Cubic — Data Link
Run 10: Statistics of QUIC Cubic

Start at: 2018-04-10 21:57:16
End at: 2018-04-10 21:57:46

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.56 Mbit/s
95th percentile per-packet one-way delay: 136.300 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 48.56 Mbit/s
95th percentile per-packet one-way delay: 136.300 ms
Loss rate: 1.43%
Run 10: Report of QUIC Cubic — Data Link

![Graph 1](image1.png)

**Flow 1 ingress (mean 48.82 Mbit/s)**

**Flow 1 egress (mean 48.56 Mbit/s)**

![Graph 2](image2.png)

**Flow 1 (95th percentile 136.30 ms)**
Run 1: Statistics of SCReAM

Start at: 2018-04-10 19:42:20
End at: 2018-04-10 19:42:50

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 0.22 Mbit/s
  95th percentile per-packet one-way delay: 135.128 ms
  Loss rate: 0.77%
-- Flow 1:
  Average throughput: 0.22 Mbit/s
  95th percentile per-packet one-way delay: 135.128 ms
  Loss rate: 0.77%
Run 1: Report of SCReAM — Data Link

- Throughput (Mbps)
- Time (s)

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

- Packet one-way delay (ms)
- Time (s)

- Flow 1 (95th percentile 135.13 ms)
Run 2: Statistics of SCReAM

Start at: 2018-04-10 19:57:42
End at: 2018-04-10 19:58:12

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.519 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.519 ms
Loss rate: 0.89%
Run 3: Statistics of SCReAM

Start at: 2018-04-10 20:13:05
End at: 2018-04-10 20:13:35

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 0.22 Mbit/s
  95th percentile per-packet one-way delay: 136.567 ms
  Loss rate: 0.89%
-- Flow 1:
  Average throughput: 0.22 Mbit/s
  95th percentile per-packet one-way delay: 136.567 ms
  Loss rate: 0.89%
Run 3: Report of SCReAM — Data Link
Run 4: Statistics of SCReAM

Start at: 2018-04-10 20:28:18
End at: 2018-04-10 20:28:48

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.321 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.321 ms
Loss rate: 0.89%
Run 4: Report of SCReAM — Data Link
Run 5: Statistics of SCReAM

Start at: 2018-04-10 20:44:06
End at: 2018-04-10 20:44:37

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 0.22 Mbit/s
  95th percentile per-packet one-way delay: 136.186 ms
  Loss rate: 0.89%
-- Flow 1:
  Average throughput: 0.22 Mbit/s
  95th percentile per-packet one-way delay: 136.186 ms
  Loss rate: 0.89%
Run 5: Report of SCReAM — Data Link
Run 6: Statistics of SCReAM

Start at: 2018-04-10 20:59:22
End at: 2018-04-10 20:59:52

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.136 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.136 ms
Loss rate: 0.89%
Run 6: Report of SCReAM — Data Link

**Throughput (Mbps)**

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

**Packet-slip one-way delay (ms)**

- Flow 1 (95th percentile 136.14 ms)
Run 7: Statistics of SCReAM

Start at: 2018-04-10 21:15:09
End at: 2018-04-10 21:15:39

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
 Average throughput: 0.22 Mbit/s
 95th percentile per-packet one-way delay: 136.391 ms
 Loss rate: 0.89%
-- Flow 1:
 Average throughput: 0.22 Mbit/s
 95th percentile per-packet one-way delay: 136.391 ms
 Loss rate: 0.89%
Run 7: Report of SCReAM — Data Link
Run 8: Statistics of SCReAM

Start at: 2018-04-10 21:30:57
End at: 2018-04-10 21:31:27

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 0.22 Mbit/s
  95th percentile per-packet one-way delay: 136.141 ms
  Loss rate: 0.89%
-- Flow 1:
  Average throughput: 0.22 Mbit/s
  95th percentile per-packet one-way delay: 136.141 ms
  Loss rate: 0.89%
Run 8: Report of SCReAM — Data Link
Run 9: Statistics of SCReAM

Start at: 2018-04-10 21:46:36
End at: 2018-04-10 21:47:06

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.302 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.302 ms
Loss rate: 0.89%
Run 9: Report of SCReAM — Data Link

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

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

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

- Flow 1 (95th percentile 136.30 ms)
Run 10: Statistics of SCReAM

Start at: 2018-04-10 22:01:42
End at: 2018-04-10 22:02:12

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 0.22 Mbit/s
  95th percentile per-packet one-way delay: 136.646 ms
  Loss rate: 0.89%
-- Flow 1:
  Average throughput: 0.22 Mbit/s
  95th percentile per-packet one-way delay: 136.646 ms
  Loss rate: 0.89%
Run 10: Report of SCReAM — Data Link

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

- Per packet one-way delay (ms)
  - Flow 1 (95th percentile 136.65 ms)
Run 1: Statistics of WebRTC media

Start at: 2018-04-10 19:41:38
End at: 2018-04-10 19:42:09

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 137.167 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 137.167 ms
Loss rate: 0.00%
Run 1: Report of WebRTC media — Data Link
Run 2: Statistics of WebRTC media

Start at: 2018-04-10 19:57:00
End at: 2018-04-10 19:57:30

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 136.784 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 136.784 ms
Loss rate: 0.00%
Run 2: Report of WebRTC media — Data Link
Run 3: Statistics of WebRTC media

Start at: 2018-04-10 20:12:23
End at: 2018-04-10 20:12:53

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 0.06 Mbit/s
  95th percentile per-packet one-way delay: 136.864 ms
  Loss rate: 0.00%
-- Flow 1:
  Average throughput: 0.06 Mbit/s
  95th percentile per-packet one-way delay: 136.864 ms
  Loss rate: 0.00%
Run 3: Report of WebRTC media — Data Link
Run 4: Statistics of WebRTC media

Start at: 2018-04-10 20:27:36
End at: 2018-04-10 20:28:06

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 0.06 Mbit/s
  95th percentile per-packet one-way delay: 136.510 ms
  Loss rate: 0.00%
-- Flow 1:
  Average throughput: 0.06 Mbit/s
  95th percentile per-packet one-way delay: 136.510 ms
  Loss rate: 0.00%
Run 4: Report of WebRTC media — Data Link
Run 5: Statistics of WebRTC media

Start at: 2018-04-10 20:43:25
End at: 2018-04-10 20:43:55

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 136.222 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 136.222 ms
Loss rate: 0.00%
Run 5: Report of WebRTC media — Data Link

![Graph showing throughput over time with two data points indicating flow ingress and egress.

![Graph showing packet delay over time with a data point indicating the 90th percentile delay.]
Run 6: Statistics of WebRTC media

Start at: 2018-04-10 20:58:40
End at: 2018-04-10 20:59:10

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 136.456 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 136.456 ms
Loss rate: 0.00%
Run 6: Report of WebRTC media — Data Link

![Graph of throughput over time showing data link performance.

- Flow 1 ingress (mean 0.06 Mbit/s)
- Flow 1 egress (mean 0.06 Mbit/s)

![Graph of packet loss over time showing data link performance.

- Flow 1 (95th percentile 136.46 ms)
Run 7: Statistics of WebRTC media

Start at: 2018-04-10 21:14:27
End at: 2018-04-10 21:14:57

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 136.498 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 136.498 ms
Loss rate: 0.00%
Run 7: Report of WebRTC media — Data Link

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

- **Throughput (Mbit/s)**
  - Flow 1 ingress (mean 0.06 Mbit/s)
  - Flow 1 egress (mean 0.06 Mbit/s)

- **Per-packet one-way delay (ms)**
  - Flow 1 (95th percentile 136.50 ms)
Run 8: Statistics of WebRTC media

Start at: 2018-04-10 21:30:15
End at: 2018-04-10 21:30:45

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 136.790 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 136.790 ms
Loss rate: 0.00%
Run 8: Report of WebRTC media — Data Link
Run 9: Statistics of WebRTC media

Start at: 2018-04-10 21:45:55
End at: 2018-04-10 21:46:25

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 0.06 Mbit/s
  95th percentile per-packet one-way delay: 136.736 ms
  Loss rate: 0.00%
-- Flow 1:
  Average throughput: 0.06 Mbit/s
  95th percentile per-packet one-way delay: 136.736 ms
  Loss rate: 0.00%
Run 9: Report of WebRTC media — Data Link

- Throughput plot showing:
  - Flow 1 ingress (mean 0.06 Mbit/s)
  - Flow 1 egress (mean 0.06 Mbit/s)

- Packet one-way delay plot showing:
  - Flow 1 (95th percentile 136.74 ms)
Run 10: Statistics of WebRTC media

Start at: 2018-04-10 22:01:00
End at: 2018-04-10 22:01:30

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 136.917 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 136.917 ms
Loss rate: 0.00%
Run 10: Report of WebRTC media — Data Link

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

- **Flow 1 ingress (mean 0.06 Mbit/s)**
- **Flow 1 egress (mean 0.06 Mbit/s)**

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

- **Flow 1 (90th percentile 136.92 ms)**
Run 1: Statistics of Sprout

Start at: 2018-04-10 19:40:11
End at: 2018-04-10 19:40:41

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 0.42 Mbit/s
  95th percentile per-packet one-way delay: 136.818 ms
  Loss rate: 0.68%
-- Flow 1:
  Average throughput: 0.42 Mbit/s
  95th percentile per-packet one-way delay: 136.818 ms
  Loss rate: 0.68%
Run 1: Report of Sprout — Data Link

![Graph showing throughput and delay over time for Flow 1 ingress and egress with mean 0.42 Mbit/s.](image)

![Graph showing packet one-way delay with 59th percentile 136.82 ms.](image)
Run 2: Statistics of Sprout

Start at: 2018-04-10 19:55:30
End at: 2018-04-10 19:56:00

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 136.835 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 136.835 ms
Loss rate: 0.97%
Run 2: Report of Sprout — Data Link

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

- Throughput (Mbps)
  - Flow 1 ingress (mean 0.40 Mbps)
  - Flow 1 egress (mean 0.40 Mbps)

- Packet delay (ms)
  - Flow 1 (99th percentile 136.84 ms)
Run 3: Statistics of Sprout

Start at: 2018-04-10 20:10:55
End at: 2018-04-10 20:11:25

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 136.777 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 136.777 ms
Loss rate: 0.19%
Run 3: Report of Sprout — Data Link

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

![Graph showing per-packet round-trip delay for Flow 1.]

Flow 1 ingress (mean 0.38 Mbit/s)  Flow 1 egress (mean 0.38 Mbit/s)
Run 4: Statistics of Sprout

Start at: 2018-04-10 20:26:08
End at: 2018-04-10 20:26:38

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 136.786 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 136.786 ms
Loss rate: 0.94%
Run 4: Report of Sprout — Data Link

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

- Flow 1 ingress (mean 0.40 Mbit/s)
- Flow 1 egress (mean 0.40 Mbit/s)

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

- Flow 1 (95th percentile 136.79 ms)
Run 5: Statistics of Sprout

Start at: 2018-04-10 20:41:31
End at: 2018-04-10 20:42:01

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
 Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 136.205 ms
 Loss rate: 1.03%
-- Flow 1:
 Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 136.205 ms
 Loss rate: 1.03%
Run 5: Report of Sprout — Data Link

![Graph](image1)

![Graph](image2)

*Flow 1 ingress (mean 0.41 Mbit/s) - Flow 1 egress (mean 0.41 Mbit/s)*

*Flow 1 (95th percentile 136.21 ms)*
Run 6: Statistics of Sprout

Start at: 2018-04-10 20:57:11
End at: 2018-04-10 20:57:41

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 0.52 Mbit/s
  95th percentile per-packet one-way delay: 136.243 ms
  Loss rate: 0.56%
-- Flow 1:
  Average throughput: 0.52 Mbit/s
  95th percentile per-packet one-way delay: 136.243 ms
  Loss rate: 0.56%
Run 6: Report of Sprout — Data Link
Run 7: Statistics of Sprout

Start at: 2018-04-10 21:12:35
End at: 2018-04-10 21:13:05

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.488 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.488 ms
Loss rate: 0.78%
Run 7: Report of Sprout — Data Link
Run 8: Statistics of Sprout

Start at: 2018-04-10 21:28:21
End at: 2018-04-10 21:28:51

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 0.43 Mbit/s
  95th percentile per-packet one-way delay: 136.535 ms
  Loss rate: 1.36%
-- Flow 1:
  Average throughput: 0.43 Mbit/s
  95th percentile per-packet one-way delay: 136.535 ms
  Loss rate: 1.36%
Run 8: Report of Sprout — Data Link

![Graph showing throughput and ping times over time](image)

**Throughput (Mbps)**
- **Flow 1 ingress (mean 0.43 Mbps)**
- **Flow 1 egress (mean 0.43 Mbps)**

**Ping Time (ms)**
- **Flow 1 (50th percentile 136.53 ms)**
Run 9: Statistics of Sprout

Start at: 2018-04-10 21:44:02
End at: 2018-04-10 21:44:32

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 136.555 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 136.555 ms
Loss rate: 0.68%
Run 9: Report of Sprout — Data Link

![Graph of Throughput vs Time](image1)

![Graph of Packet One-Way Delay vs Time](image2)
Run 10: Statistics of Sprout

Start at: 2018-04-10 21:59:32
End at: 2018-04-10 22:00:02

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 136.889 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 136.889 ms
Loss rate: 0.73%
Run 10: Report of Sprout — Data Link

Throughput (Mbit/s)

- Flow 1 ingress (mean 0.37 Mbit/s)
- Flow 1 egress (mean 0.37 Mbit/s)

Packet delay (ms)

- Flow 1 (95th percentile 136.89 ms)
Run 1: Statistics of TaoVA-100x

Start at: 2018-04-10 19:43:02
End at: 2018-04-10 19:43:32

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 191.84 Mbit/s
  95th percentile per-packet one-way delay: 142.056 ms
  Loss rate: 1.05%
-- Flow 1:
  Average throughput: 191.84 Mbit/s
  95th percentile per-packet one-way delay: 142.056 ms
  Loss rate: 1.05%
Run 1: Report of TaoVA-100x — Data Link
Run 2: Statistics of TaoVA-100x

Start at: 2018-04-10 19:58:23
End at: 2018-04-10 19:58:53

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 210.98 Mbit/s
95th percentile per-packet one-way delay: 136.928 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 210.98 Mbit/s
95th percentile per-packet one-way delay: 136.928 ms
Loss rate: 1.02%
Run 2: Report of TaoVA-100x — Data Link

![Throughput Graph](image1)

![Packet Delay Graph](image2)

Throughput in Mbps

Packet Delay in ms

- Flow 1 ingress (mean 211.23 Mbps)
- Flow 1 egress (mean 210.98 Mbps)

Flow 1 (95th percentile 136.93 ms)
Run 3: Statistics of TaoVA-100x

Start at: 2018-04-10 20:13:46
End at: 2018-04-10 20:14:16

# Below is generated by plot.py at 2018-04-11 01:12:24
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 200.65 Mbit/s
  95th percentile per-packet one-way delay: 138.786 ms
  Loss rate: 0.84%
  -- Flow 1:
  Average throughput: 200.65 Mbit/s
  95th percentile per-packet one-way delay: 138.786 ms
  Loss rate: 0.84%
Run 3: Report of TaoVA-100x — Data Link

![Graph of Throughput vs Time](image1)

*Flow 1 ingress (mean 200.81 Mbit/s)  Flow 1 egress (mean 200.65 Mbit/s)*

![Graph of Per Packet One Way Delay vs Time](image2)

*Flow 1 (95th percentile 138.79 ms)*
Run 4: Statistics of TaoVA-100x

Start at: 2018-04-10 20:29:00
End at: 2018-04-10 20:29:30

# Below is generated by plot.py at 2018-04-11 01:12:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 215.66 Mbit/s
95th percentile per-packet one-way delay: 137.333 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 215.66 Mbit/s
95th percentile per-packet one-way delay: 137.333 ms
Loss rate: 0.98%
Run 4: Report of TaoVA-100x — Data Link

![Graph showing throughput and packet delay over time]

- Flow 1 ingress (mean 215.81 Mbit/s)
- Flow 1 egress (mean 215.66 Mbit/s)

- Flow 1 (95th percentile 137.33 ms)
Run 5: Statistics of TaoVA-100x

Start at: 2018-04-10 20:44:48
End at: 2018-04-10 20:45:18

# Below is generated by plot.py at 2018-04-11 01:12:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 192.09 Mbit/s
95th percentile per-packet one-way delay: 136.619 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 192.09 Mbit/s
95th percentile per-packet one-way delay: 136.619 ms
Loss rate: 1.03%
Run 5: Report of TaoVA-100x — Data Link
Run 6: Statistics of TaoVA-100x

Start at: 2018-04-10 21:00:04
End at: 2018-04-10 21:00:34

# Below is generated by plot.py at 2018-04-11 01:12:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 195.81 Mbit/s
95th percentile per-packet one-way delay: 136.757 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 195.81 Mbit/s
95th percentile per-packet one-way delay: 136.757 ms
Loss rate: 1.01%
Run 6: Report of TaoVA-100x — Data Link
Run 7: Statistics of TaoVA-100x

Start at: 2018-04-10 21:15:51
End at: 2018-04-10 21:16:21

# Below is generated by plot.py at 2018-04-11 01:16:13
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 165.54 Mbit/s
  95th percentile per-packet one-way delay: 137.726 ms
  Loss rate: 1.17%
-- Flow 1:
  Average throughput: 165.54 Mbit/s
  95th percentile per-packet one-way delay: 137.726 ms
  Loss rate: 1.17%
Run 7: Report of TaoVA-100x — Data Link
Run 8: Statistics of TaoVA-100x

Start at: 2018-04-10 21:31:39
End at: 2018-04-10 21:32:09

# Below is generated by plot.py at 2018-04-11 01:16:13
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 13.34 Mbit/s
  95th percentile per-packet one-way delay: 136.273 ms
  Loss rate: 0.93%
-- Flow 1:
  Average throughput: 13.34 Mbit/s
  95th percentile per-packet one-way delay: 136.273 ms
  Loss rate: 0.93%
Run 8: Report of TaoVA-100x — Data Link

![Graph showing throughput over time for Flow 1 ingress and egress with mean values of 13.35 Mbps and 13.34 Mbps respectively.]

- Flow 1 ingress (mean 13.35 Mbps)
- Flow 1 egress (mean 13.34 Mbps)

![Graph showing packet delay over time for Flow 1 with 55th percentile of 136.27 ms.]

- Flow 1 (55th percentile 136.27 ms)
Run 9: Statistics of TaoVA-100x

Start at: 2018-04-10 21:47:18
End at: 2018-04-10 21:47:48

# Below is generated by plot.py at 2018-04-11 01:16:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.26 Mbit/s
95th percentile per-packet one-way delay: 136.168 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 13.26 Mbit/s
95th percentile per-packet one-way delay: 136.168 ms
Loss rate: 0.92%
Run 10: Statistics of TaoVA-100x

Start at: 2018-04-10 22:02:23
End at: 2018-04-10 22:02:53

# Below is generated by plot.py at 2018-04-11 01:19:07
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 212.54 Mbit/s
  95th percentile per-packet one-way delay: 138.184 ms
  Loss rate: 0.65%
-- Flow 1:
  Average throughput: 212.54 Mbit/s
  95th percentile per-packet one-way delay: 138.184 ms
  Loss rate: 0.65%
Run 10: Report of TaoVA-100x — Data Link

Throughput (Mbit/s)

Flow 1 ingress (mean 211.86 Mbit/s)  Flow 1 egress (mean 212.54 Mbit/s)

Per packet one way delay (ms)

Flow 1 (95th percentile 138.18 ms)
Run 1: Statistics of TCP Vegas

Start at: 2018-04-10 19:37:11
End at: 2018-04-10 19:37:41

# Below is generated by plot.py at 2018-04-11 01:19:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.87 Mbit/s
95th percentile per-packet one-way delay: 145.804 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 81.87 Mbit/s
95th percentile per-packet one-way delay: 145.804 ms
Loss rate: 0.99%
Run 1: Report of TCP Vegas — Data Link

---

Time (s) vs Throughput (Mbps)

- Flow 1 ingress (mean 81.94 Mbit/s)
- Flow 1 egress (mean 81.87 Mbit/s)

---

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

- Flow 1 (95th percentile 145.80 ms)

---

185
Run 2: Statistics of TCP Vegas

Start at: 2018-04-10 19:52:27
End at: 2018-04-10 19:52:57

# Below is generated by plot.py at 2018-04-11 01:19:07
# Datalink statistics
   -- Total of 1 flow:
   Average throughput: 81.96 Mbit/s
   95th percentile per-packet one-way delay: 144.344 ms
   Loss rate: 1.08%
   -- Flow 1:
   Average throughput: 81.96 Mbit/s
   95th percentile per-packet one-way delay: 144.344 ms
   Loss rate: 1.08%
Run 2: Report of TCP Vegas — Data Link

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

Legend:
- Flow 1 ingress (mean 82.10 Mbit/s)
- Flow 1 egress (mean 81.96 Mbit/s)

- Flow 1 (95th percentile 144.34 ms)
Run 3: Statistics of TCP Vegas

Start at: 2018-04-10 20:07:53
End at: 2018-04-10 20:08:23

# Below is generated by plot.py at 2018-04-11 01:19:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.21 Mbit/s
95th percentile per-packet one-way delay: 145.475 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 46.21 Mbit/s
95th percentile per-packet one-way delay: 145.475 ms
Loss rate: 0.59%
Run 3: Report of TCP Vegas — Data Link
Run 4: Statistics of TCP Vegas

Start at: 2018-04-10 20:23:05
End at: 2018-04-10 20:23:35

# Below is generated by plot.py at 2018-04-11 01:19:07
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 82.53 Mbit/s
  95th percentile per-packet one-way delay: 144.836 ms
  Loss rate: 0.98%
-- Flow 1:
  Average throughput: 82.53 Mbit/s
  95th percentile per-packet one-way delay: 144.836 ms
  Loss rate: 0.98%
Run 4: Report of TCP Vegas — Data Link
Run 5: Statistics of TCP Vegas

Start at: 2018-04-10 20:38:30
End at: 2018-04-10 20:39:00

# Below is generated by plot.py at 2018-04-11 01:19:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.29 Mbit/s
95th percentile per-packet one-way delay: 137.113 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 35.29 Mbit/s
95th percentile per-packet one-way delay: 137.113 ms
Loss rate: 1.01%
Run 5: Report of TCP Vegas — Data Link

![Graph 1: Throughput (Mbps)]

- Flow 1 ingress (mean 35.33 Mbps)
- Flow 1 egress (mean 35.29 Mbps)

![Graph 2: Packet Delay (ms)]

- Flow 1 (95th percentile 137.11 ms)
Run 6: Statistics of TCP Vegas

Start at: 2018-04-10 20:54:07
End at: 2018-04-10 20:54:37

# Below is generated by plot.py at 2018-04-11 01:19:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.49 Mbit/s
95th percentile per-packet one-way delay: 145.290 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 82.49 Mbit/s
95th percentile per-packet one-way delay: 145.290 ms
Loss rate: 0.98%
Run 6: Report of TCP Vegas — Data Link

![Chart 1: Throughput (Mbps)]

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

195
Run 7: Statistics of TCP Vegas

Start at: 2018-04-10 21:09:31
End at: 2018-04-10 21:10:01

# Below is generated by plot.py at 2018-04-11 01:19:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.59 Mbit/s
95th percentile per-packet one-way delay: 146.795 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 82.59 Mbit/s
95th percentile per-packet one-way delay: 146.795 ms
Loss rate: 0.99%
Run 8: Statistics of TCP Vegas

Start at: 2018-04-10 21:25:19
End at: 2018-04-10 21:25:49

# Below is generated by plot.py at 2018-04-11 01:19:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.74 Mbit/s
95th percentile per-packet one-way delay: 138.341 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 65.74 Mbit/s
95th percentile per-packet one-way delay: 138.341 ms
Loss rate: 1.00%
Run 8: Report of TCP Vegas — Data Link
Run 9: Statistics of TCP Vegas

Start at: 2018-04-10 21:40:58
End at: 2018-04-10 21:41:28

# Below is generated by plot.py at 2018-04-11 01:19:07
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 82.87 Mbit/s
  95th percentile per-packet one-way delay: 147.865 ms
  Loss rate: 0.98%
-- Flow 1:
  Average throughput: 82.87 Mbit/s
  95th percentile per-packet one-way delay: 147.865 ms
  Loss rate: 0.98%
Run 9: Report of TCP Vegas — Data Link

![Graphs showing throughput and delay over time.](image-url)
Run 10: Statistics of TCP Vegas

Start at: 2018-04-10 21:56:28
End at: 2018-04-10 21:56:58

# Below is generated by plot.py at 2018-04-11 01:19:07
# Datalink statistics
# Total of 1 flow:
Average throughput: 82.45 Mbit/s
95th percentile per-packet one-way delay: 144.628 ms
Loss rate: 0.98%

-- Flow 1:
Average throughput: 82.45 Mbit/s
95th percentile per-packet one-way delay: 144.628 ms
Loss rate: 0.98%
Run 10: Report of TCP Vegas — Data Link

[Graphs showing throughput and packet delivery delay over time]

Flow 1 ingress (mean 82.52 Mbit/s)  Flow 1 egress (mean 82.45 Mbit/s)

Flow 1 (95th percentile 144.63 ms)
Run 1: Statistics of Verus

Start at: 2018-04-10 19:34:22
End at: 2018-04-10 19:34:52

# Below is generated by plot.py at 2018-04-11 01:19:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 104.50 Mbit/s
95th percentile per-packet one-way delay: 223.693 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 104.50 Mbit/s
95th percentile per-packet one-way delay: 223.693 ms
Loss rate: 0.41%
Run 1: Report of Verus — Data Link

\[\text{Throughput (Mbps)}\]

\[\text{Time (s)}\]

- Flow 1 ingress (mean 103.97 Mbit/s)
- Flow 1 egress (mean 104.50 Mbit/s)

\[\text{End packet one way delay (ms)}\]

\[\text{Flow 1 (95th percentile 223.69 ms)}\]
Run 2: Statistics of Verus

Start at: 2018-04-10 19:49:39
End at: 2018-04-10 19:50:09

# Below is generated by plot.py at 2018-04-11 01:19:07
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 153.50 Mbit/s
  95th percentile per-packet one-way delay: 252.148 ms
  Loss rate: 0.73%
-- Flow 1:
  Average throughput: 153.50 Mbit/s
  95th percentile per-packet one-way delay: 252.148 ms
  Loss rate: 0.73%
Run 2: Report of Verus — Data Link
Run 3: Statistics of Verus

Start at: 2018-04-10 20:05:08
End at: 2018-04-10 20:05:38

# Below is generated by plot.py at 2018-04-11 01:19:07
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 134.67 Mbit/s
  95th percentile per-packet one-way delay: 210.274 ms
  Loss rate: 1.93%
-- Flow 1:
  Average throughput: 134.67 Mbit/s
  95th percentile per-packet one-way delay: 210.274 ms
  Loss rate: 1.93%
Run 3: Report of Verus — Data Link
Run 4: Statistics of Verus

Start at: 2018-04-10 20:20:20
End at: 2018-04-10 20:20:50

# Below is generated by plot.py at 2018-04-11 01:19:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 112.87 Mbit/s
95th percentile per-packet one-way delay: 274.213 ms
Loss rate: 3.24%
-- Flow 1:
Average throughput: 112.87 Mbit/s
95th percentile per-packet one-way delay: 274.213 ms
Loss rate: 3.24%
Run 4: Report of Verus — Data Link

Graph 1: Throughput vs. Time

Graph 2: Per-packet delay vs. Time

Legend:
- Flow 1 ingress (mean 115.55 Mbit/s)
- Flow 1 egress (mean 112.87 Mbit/s)
- Flow 1 (95th percentile 274.23 ms)
Run 5: Statistics of Verus

Start at: 2018-04-10 20:35:37
End at: 2018-04-10 20:36:07

# Below is generated by plot.py at 2018-04-11 01:19:07
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 128.78 Mbit/s
  95th percentile per-packet one-way delay: 359.612 ms
  Loss rate: 7.08%
-- Flow 1:
  Average throughput: 128.78 Mbit/s
  95th percentile per-packet one-way delay: 359.612 ms
  Loss rate: 7.08%
Run 5: Report of Verus — Data Link
Run 6: Statistics of Verus

Start at: 2018-04-10 20:51:22
End at: 2018-04-10 20:51:52

# Below is generated by plot.py at 2018-04-11 01:19:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 130.62 Mbit/s
95th percentile per-packet one-way delay: 257.354 ms
Loss rate: 4.60%
-- Flow 1:
Average throughput: 130.62 Mbit/s
95th percentile per-packet one-way delay: 257.354 ms
Loss rate: 4.60%
Run 6: Report of Verus — Data Link

![Graph of Throughput (Mbps) over time with two lines indicating Flow 1 ingress and egress with mean rates of 135.68 Mbps and 130.62 Mbps, respectively.]

![Graph of Per packet one way delay (ms) over time with a line indicating Flow 1 with a 95th percentile delay of 257.35 ms.]
Run 7: Statistics of Verus

Start at: 2018-04-10 21:06:41
End at: 2018-04-10 21:07:11

# Below is generated by plot.py at 2018-04-11 01:19:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 213.97 Mbit/s
95th percentile per-packet one-way delay: 227.428 ms
Loss rate: 0.79%

-- Flow 1:
Average throughput: 213.97 Mbit/s
95th percentile per-packet one-way delay: 227.428 ms
Loss rate: 0.79%
Run 7: Report of Verus — Data Link
Run 8: Statistics of Verus

Start at: 2018-04-10 21:22:30
End at: 2018-04-10 21:23:00

# Below is generated by plot.py at 2018-04-11 01:19:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 106.91 Mbit/s
95th percentile per-packet one-way delay: 254.544 ms
Loss rate: 2.99%
-- Flow 1:
Average throughput: 106.91 Mbit/s
95th percentile per-packet one-way delay: 254.544 ms
Loss rate: 2.99%
Run 9: Statistics of Verus

Start at: 2018-04-10 21:38:05
End at: 2018-04-10 21:38:35

# Below is generated by plot.py at 2018-04-11 01:19:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 162.62 Mbit/s
95th percentile per-packet one-way delay: 177.167 ms
Loss rate: 2.07%
-- Flow 1:
Average throughput: 162.62 Mbit/s
95th percentile per-packet one-way delay: 177.167 ms
Loss rate: 2.07%
Run 9: Report of Verus — Data Link

![Graph showing network throughput and packet delay over time. The graphs illustrate the throughput and delay characteristics of a data link, with peaks and troughs indicating varying network performance. The legend indicates flow ingress and egress with mean values.]
Run 10: Statistics of Verus

Start at: 2018-04-10 21:53:39
End at: 2018-04-10 21:54:09

# Below is generated by plot.py at 2018-04-11 01:19:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 162.11 Mbit/s
95th percentile per-packet one-way delay: 157.615 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 162.11 Mbit/s
95th percentile per-packet one-way delay: 157.615 ms
Loss rate: 1.23%
Run 10: Report of Verus — Data Link
Run 1: Statistics of Copa

Start at: 2018-04-10 19:35:13
End at: 2018-04-10 19:35:43

# Below is generated by plot.py at 2018-04-11 01:19:29
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 74.98 Mbit/s
  95th percentile per-packet one-way delay: 136.551 ms
  Loss rate: 1.05%
-- Flow 1:
  Average throughput: 74.98 Mbit/s
  95th percentile per-packet one-way delay: 136.551 ms
  Loss rate: 1.05%
Run 1: Report of Copa — Data Link

![Graph showing throughput over time for data link.]
Run 2: Statistics of Copa

Start at: 2018-04-10 19:50:33
End at: 2018-04-10 19:51:03

# Below is generated by plot.py at 2018-04-11 01:19:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.09 Mbit/s
95th percentile per-packet one-way delay: 136.502 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 75.09 Mbit/s
95th percentile per-packet one-way delay: 136.502 ms
Loss rate: 0.58%
Run 2: Report of Copa — Data Link

![Throughput Graph]

- **Flow 1 ingress (mean 74.84 Mbit/s)**
- **Flow 1 egress (mean 75.09 Mbit/s)**

![Delay Graph]

- **Flow 1 (95th percentile 136.50 ms)**
Run 3: Statistics of Copa

Start at: 2018-04-10 20:06:00
End at: 2018-04-10 20:06:30

# Below is generated by plot.py at 2018-04-11 01:19:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.21 Mbit/s
95th percentile per-packet one-way delay: 136.369 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 65.21 Mbit/s
95th percentile per-packet one-way delay: 136.369 ms
Loss rate: 0.40%
Run 3: Report of Copa — Data Link
Run 4: Statistics of Copa

Start at: 2018-04-10 20:21:11
End at: 2018-04-10 20:21:41

# Below is generated by plot.py at 2018-04-11 01:20:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.30 Mbit/s
95th percentile per-packet one-way delay: 136.493 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 76.30 Mbit/s
95th percentile per-packet one-way delay: 136.493 ms
Loss rate: 0.94%
Run 4: Report of Copa — Data Link

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

- Flow 1 ingress (mean 76.32 Mbit/s)
- Flow 1 egress (mean 76.30 Mbit/s)

![Graph of packet delay over time for Flow 1]

- Flow 1 (95th percentile 136.49 ms)
Run 5: Statistics of Copa

Start at: 2018-04-10 20:36:29  
End at: 2018-04-10 20:36:59

# Below is generated by plot.py at 2018-04-11 01:21:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.80 Mbit/s
95th percentile per-packet one-way delay: 136.019 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 76.80 Mbit/s
95th percentile per-packet one-way delay: 136.019 ms
Loss rate: 0.86%
Run 5: Report of Copa — Data Link

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

![Graph 2: Packet Delay vs. Time](image2)
Run 6: Statistics of Copa

Start at: 2018-04-10 20:52:14
End at: 2018-04-10 20:52:44

# Below is generated by plot.py at 2018-04-11 01:21:33
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 60.96 Mbit/s
  95th percentile per-packet one-way delay: 135.945 ms
  Loss rate: 0.68%
-- Flow 1:
  Average throughput: 60.96 Mbit/s
  95th percentile per-packet one-way delay: 135.945 ms
  Loss rate: 0.68%
Run 6: Report of Copa — Data Link

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

Throughput (Mbps)

Time (s)

Flow 1 ingress (mean 60.82 Mbit/s)  Flow 1 egress (mean 60.96 Mbit/s)

Per-packet one way delay (ms)

Time (s)

Flow 1 (95th percentile 135.94 ms)
Run 7: Statistics of Copa

Start at: 2018-04-10 21:07:39
End at: 2018-04-10 21:08:09

# Below is generated by plot.py at 2018-04-11 01:21:40
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 68.88 Mbit/s
  95th percentile per-packet one-way delay: 136.080 ms
  Loss rate: 1.07%
-- Flow 1:
  Average throughput: 68.88 Mbit/s
  95th percentile per-packet one-way delay: 136.080 ms
  Loss rate: 1.07%
Run 7: Report of Copa — Data Link

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

- Flow 1 ingress (mean 69.02 Mbit/s)
- Flow 1 egress (mean 68.88 Mbit/s)

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

- Flow 1 (95th percentile 136.08 ms)
Run 8: Statistics of Copa

Start at: 2018-04-10 21:23:21
End at: 2018-04-10 21:23:51

# Below is generated by plot.py at 2018-04-11 01:21:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.25 Mbit/s
95th percentile per-packet one-way delay: 136.212 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 73.25 Mbit/s
95th percentile per-packet one-way delay: 136.212 ms
Loss rate: 1.28%
Run 8: Report of Copa — Data Link
Run 9: Statistics of Copa

Start at: 2018-04-10 21:39:00
End at: 2018-04-10 21:39:30

# Below is generated by plot.py at 2018-04-11 01:22:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.81 Mbit/s
95th percentile per-packet one-way delay: 136.194 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 79.81 Mbit/s
95th percentile per-packet one-way delay: 136.194 ms
Loss rate: 0.99%
Run 9: Report of Copa — Data Link
Run 10: Statistics of Copa

Start at: 2018-04-10 21:54:34
End at: 2018-04-10 21:55:04

# Below is generated by plot.py at 2018-04-11 01:22:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.64 Mbit/s
95th percentile per-packet one-way delay: 136.154 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 74.64 Mbit/s
95th percentile per-packet one-way delay: 136.154 ms
Loss rate: 1.13%
Run 10: Report of Copa — Data Link

![Graphs showing throughput and per-packet one-way delay](image-url)
Run 1: Statistics of FillP

Start at: 2018-04-10 19:40:52
End at: 2018-04-10 19:41:23

# Below is generated by plot.py at 2018-04-11 01:22:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.58 Mbit/s
95th percentile per-packet one-way delay: 382.587 ms
Loss rate: 13.85%
-- Flow 1:
Average throughput: 59.58 Mbit/s
95th percentile per-packet one-way delay: 382.587 ms
Loss rate: 13.85%
Run 1: Report of FillP — Data Link

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

- Flow 1 ingress (mean 68.69 Mbps)
- Flow 1 egress (mean 59.58 Mbps)

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

- Flow 1 (95th percentile 382.59 ms)
Run 2: Statistics of FillP

Start at: 2018-04-10 19:56:12
End at: 2018-04-10 19:56:42

# Below is generated by plot.py at 2018-04-11 01:22:46
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 98.22 Mbit/s
  95th percentile per-packet one-way delay: 383.754 ms
  Loss rate: 20.95%
-- Flow 1:
  Average throughput: 98.22 Mbit/s
  95th percentile per-packet one-way delay: 383.754 ms
  Loss rate: 20.95%
Run 2: Report of FillP — Data Link

![Graph of Throughput vs Time](image1)

*Flow 1 Ingress (mean 123.14 Mb/s)*
*Flow 1 Egress (mean 98.22 Mb/s)*

![Graph of Per-Socket One-Way Delay vs Time](image2)

*Flow 1 (95th percentile 383.75 ms)*
Run 3: Statistics of FillP

Start at: 2018-04-10 20:11:37
End at: 2018-04-10 20:12:07

# Below is generated by plot.py at 2018-04-11 01:22:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.93 Mbit/s
95th percentile per-packet one-way delay: 405.405 ms
Loss rate: 18.16%
-- Flow 1:
Average throughput: 61.93 Mbit/s
95th percentile per-packet one-way delay: 405.405 ms
Loss rate: 18.16%
Run 3: Report of FillP — Data Link

![Throughput and Delay Graphs]

- Flow 1 ingress (mean 74.65 Mbit/s)
- Flow 1 egress (mean 61.93 Mbit/s)

Flow 1 (95th percentile 405.40 ms)
Run 4: Statistics of FillP

Start at: 2018-04-10 20:26:50
End at: 2018-04-10 20:27:20

# Below is generated by plot.py at 2018-04-11 01:22:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.65 Mbit/s
95th percentile per-packet one-way delay: 355.678 ms
Loss rate: 12.67%
-- Flow 1:
Average throughput: 65.65 Mbit/s
95th percentile per-packet one-way delay: 355.678 ms
Loss rate: 12.67%
Run 4: Report of FillP — Data Link
Run 5: Statistics of FillP

End at: 2018-04-10 20:42:43

# Below is generated by plot.py at 2018-04-11 01:34:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 680.30 Mbit/s
95th percentile per-packet one-way delay: 227.179 ms
Loss rate: 6.26%
-- Flow 1:
Average throughput: 680.30 Mbit/s
95th percentile per-packet one-way delay: 227.179 ms
Loss rate: 6.26%
Run 5: Report of FillP — Data Link

![Throughput Graph](image1)

- Flow 1 ingress (mean 719.15 Mbits/s)
- Flow 1 egress (mean 680.30 Mbits/s)

![Delay Graph](image2)

- Flow 1 (95th percentile 227.18 ms)
Run 6: Statistics of FillP

Start at: 2018-04-10 20:57:53
End at: 2018-04-10 20:58:23

# Below is generated by plot.py at 2018-04-11 01:34:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.39 Mbit/s
95th percentile per-packet one-way delay: 389.508 ms
Loss rate: 15.03%
-- Flow 1:
Average throughput: 95.39 Mbit/s
95th percentile per-packet one-way delay: 389.508 ms
Loss rate: 15.03%
Run 6: Report of FillP — Data Link

![Graph showing throughput and per-packet one-way delay over time, with flow ingress and egress throughput in blue and dashed blue, respectively.]
Run 7: Statistics of FillP

Start at: 2018-04-10 21:13:17
End at: 2018-04-10 21:13:47

# Below is generated by plot.py at 2018-04-11 01:34:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 667.00 Mbit/s
95th percentile per-packet one-way delay: 228.712 ms
Loss rate: 7.08%
-- Flow 1:
Average throughput: 667.00 Mbit/s
95th percentile per-packet one-way delay: 228.712 ms
Loss rate: 7.08%
Run 7: Report of FillP — Data Link

Throughput (Mbps)

Flow 1 ingress (mean 711.29 Mbps)  Flow 1 egress (mean 667.00 Mbps)

Per-packet one-way delay (ms)

Flow 1 (95th percentile 228.71 ms)
Run 8: Statistics of FillP

Start at: 2018-04-10 21:29:03  
End at: 2018-04-10 21:29:33

# Below is generated by plot.py at 2018-04-11 01:34:39  
# Datalink statistics
-- Total of 1 flow:  
Average throughput: 684.43 Mbit/s  
95th percentile per-packet one-way delay: 233.562 ms  
Loss rate: 9.03%  
-- Flow 1:  
Average throughput: 684.43 Mbit/s  
95th percentile per-packet one-way delay: 233.562 ms  
Loss rate: 9.03%
Run 8: Report of FillP — Data Link

Throughput (Mbps)

Time (s)

Flow 1 ingress (mean 745.55 Mbps)  Flow 1 egress (mean 684.43 Mbps)

Packet per packet round trip delay (ms)

Flow 1 (95th percentile 233.56 ms)
Run 9: Statistics of FillP

Start at: 2018-04-10 21:44:44
End at: 2018-04-10 21:45:14

# Below is generated by plot.py at 2018-04-11 01:34:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 647.77 Mbit/s
95th percentile per-packet one-way delay: 236.096 ms
Loss rate: 9.13%
-- Flow 1:
Average throughput: 647.77 Mbit/s
95th percentile per-packet one-way delay: 236.096 ms
Loss rate: 9.13%
Run 9: Report of FillP — Data Link

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

- Flow 1 ingress (mean 706.43 Mb/s)
- Flow 1 egress (mean 647.77 Mb/s)

![Graph 2: Per-Packet One-Way Delay vs Time](image2)

- Flow 1 (95th percentile 236.10 ms)
Run 10: Statistics of FillP

Start at: 2018-04-10 22:00:14
End at: 2018-04-10 22:00:44

# Below is generated by plot.py at 2018-04-11 01:34:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.98 Mbit/s
95th percentile per-packet one-way delay: 373.497 ms
Loss rate: 16.36%
-- Flow 1:
Average throughput: 61.98 Mbit/s
95th percentile per-packet one-way delay: 373.497 ms
Loss rate: 16.36%
Run 10: Report of FillP — Data Link
Run 1: Statistics of Indigo-1-32

Start at: 2018-04-10 19:32:36
End at: 2018-04-10 19:33:06

# Below is generated by plot.py at 2018-04-11 01:34:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 133.90 Mbit/s
95th percentile per-packet one-way delay: 136.855 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 133.90 Mbit/s
95th percentile per-packet one-way delay: 136.855 ms
Loss rate: 0.98%
Run 1: Report of Indigo-1-32 — Data Link

[Graph showing throughput over time with two lines for ingress and egress]

[Graph showing per-packet error rate with a blue line]
Run 2: Statistics of Indigo-1-32

Start at: 2018-04-10 19:47:51
End at: 2018-04-10 19:48:21

# Below is generated by plot.py at 2018-04-11 01:34:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 134.33 Mbit/s
95th percentile per-packet one-way delay: 138.186 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 134.33 Mbit/s
95th percentile per-packet one-way delay: 138.186 ms
Loss rate: 0.98%
Run 3: Statistics of Indigo-1-32

Start at: 2018-04-10 20:03:16
End at: 2018-04-10 20:03:47

# Below is generated by plot.py at 2018-04-11 01:34:39
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 183.60 Mbit/s
  95th percentile per-packet one-way delay: 136.656 ms
  Loss rate: 0.92%
-- Flow 1:
  Average throughput: 183.60 Mbit/s
  95th percentile per-packet one-way delay: 136.656 ms
  Loss rate: 0.92%
Run 3: Report of Indigo-1-32 — Data Link

![Graph showing throughput and packet delay over time with two lines representing Flow 1 ingress and egress. The graph indicates fluctuations in throughput and packet delay.]
Run 4: Statistics of Indigo-1-32

Start at: 2018-04-10 20:18:35
End at: 2018-04-10 20:19:05

# Below is generated by plot.py at 2018-04-11 01:34:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 133.68 Mbit/s
95th percentile per-packet one-way delay: 136.887 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 133.68 Mbit/s
95th percentile per-packet one-way delay: 136.887 ms
Loss rate: 0.98%
Run 4: Report of Indigo-1-32 — Data Link
Run 5: Statistics of Indigo-1-32

Start at: 2018-04-10 20:33:52
End at: 2018-04-10 20:34:22

# Below is generated by plot.py at 2018-04-11 01:34:39
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 135.45 Mbit/s
  95th percentile per-packet one-way delay: 137.212 ms
  Loss rate: 0.96%
-- Flow 1:
  Average throughput: 135.45 Mbit/s
  95th percentile per-packet one-way delay: 137.212 ms
  Loss rate: 0.96%
Run 6: Statistics of Indigo-1-32

Start at: 2018-04-10 20:49:36
End at: 2018-04-10 20:50:06

# Below is generated by plot.py at 2018-04-11 01:34:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 134.15 Mbit/s
95th percentile per-packet one-way delay: 136.170 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 134.15 Mbit/s
95th percentile per-packet one-way delay: 136.170 ms
Loss rate: 0.97%
Run 6: Report of Indigo-1-32 — Data Link

![Graph 1: Throughput vs Time]

- **Flow 1 ingress (mean 134.23 Mbit/s)**
- **Flow 1 egress (mean 134.15 Mbit/s)**

![Graph 2: Packet Delay vs Time]

- **Flow 1 (95th percentile 136.17 ms)**
Run 7: Statistics of Indigo-1-32

Start at: 2018-04-10 21:04:55
End at: 2018-04-10 21:05:25

# Below is generated by plot.py at 2018-04-11 01:34:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 136.09 Mbit/s
95th percentile per-packet one-way delay: 137.468 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 136.09 Mbit/s
95th percentile per-packet one-way delay: 137.468 ms
Loss rate: 0.97%
Run 7: Report of Indigo-1-32 — Data Link
Run 8: Statistics of Indigo-1-32

Start at: 2018-04-10 21:20:43
End at: 2018-04-10 21:21:13

# Below is generated by plot.py at 2018-04-11 01:34:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 136.59 Mbit/s
95th percentile per-packet one-way delay: 136.805 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 136.59 Mbit/s
95th percentile per-packet one-way delay: 136.805 ms
Loss rate: 0.96%
Run 8: Report of Indigo-1-32 — Data Link

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

**Throughput (Mbps)**

- Flow 1 ingress (mean 136.67 Mbps)
- Flow 1 egress (mean 136.59 Mbps)

![Graph 2: Packet delay over time](image2)

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

- Flow 1 (95th percentile 136.81 ms)
Run 9: Statistics of Indigo-1-32

Start at: 2018-04-10 21:36:11
End at: 2018-04-10 21:36:41

# Below is generated by plot.py at 2018-04-11 01:34:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 136.17 Mbit/s
95th percentile per-packet one-way delay: 136.819 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 136.17 Mbit/s
95th percentile per-packet one-way delay: 136.819 ms
Loss rate: 0.97%
Run 9: Report of Indigo-1-32 — Data Link
Run 10: Statistics of Indigo-1-32

Start at: 2018-04-10 21:51:46
End at: 2018-04-10 21:52:16

# Below is generated by plot.py at 2018-04-11 01:34:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 134.59 Mbit/s
95th percentile per-packet one-way delay: 139.385 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 134.59 Mbit/s
95th percentile per-packet one-way delay: 139.385 ms
Loss rate: 0.96%
Run 10: Report of Indigo-1-32 — Data Link

![Graph 1](URL1)

![Graph 2](URL2)
Run 1: Statistics of Vivace-latency

Start at: 2018-04-10 19:44:04
End at: 2018-04-10 19:44:34

# Below is generated by plot.py at 2018-04-11 01:34:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 260.13 Mbit/s
95th percentile per-packet one-way delay: 144.279 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 260.13 Mbit/s
95th percentile per-packet one-way delay: 144.279 ms
Loss rate: 1.35%
Run 1: Report of Vivace-latency — Data Link

[Graph showing throughput and delay over time]

- Flow 1 ingress (mean 261.29 Mbit/s)
- Flow 1 egress (mean 260.13 Mbit/s)

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

- Flow 1 (95th percentile 144.28 ms)
Run 2: Statistics of Vivace-latency

Start at: 2018-04-10 19:59:28
End at: 2018-04-10 19:59:58

# Below is generated by plot.py at 2018-04-11 01:34:39
# Datalink statistics
  -- Total of 1 flow:
      Average throughput: 256.14 Mbit/s
      95th percentile per-packet one-way delay: 176.088 ms
      Loss rate: 2.52%
  -- Flow 1:
      Average throughput: 256.14 Mbit/s
      95th percentile per-packet one-way delay: 176.088 ms
      Loss rate: 2.52%
Run 2: Report of Vivace-latency — Data Link

![Graph of throughput and latency over time for Flow 1 ingress and egress.]
Run 3: Statistics of Vivace-latency

Start at: 2018-04-10 20:14:50
End at: 2018-04-10 20:15:20

# Below is generated by plot.py at 2018-04-11 01:34:39
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 228.85 Mbit/s
  95th percentile per-packet one-way delay: 214.857 ms
  Loss rate: 2.10%
-- Flow 1:
  Average throughput: 228.85 Mbit/s
  95th percentile per-packet one-way delay: 214.857 ms
  Loss rate: 2.10%
Run 3: Report of Vivace-latency — Data Link

![Graph showing throughput and latency over time.]

- **Throughput (Mbps):**
  - Flow 1 ingress (mean 231.63 Mbit/s)
  - Flow 1 egress (mean 228.85 Mbit/s)

- **Latency (ms):**
  - Flow 1 (95th percentile 214.86 ms)
Run 4: Statistics of Vivace-latency

Start at: 2018-04-10 20:30:04
End at: 2018-04-10 20:30:34

# Below is generated by plot.py at 2018-04-11 01:34:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 261.31 Mbit/s
95th percentile per-packet one-way delay: 150.229 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 261.31 Mbit/s
95th percentile per-packet one-way delay: 150.229 ms
Loss rate: 1.48%
Run 4: Report of Vivace-latency — Data Link
Run 5: Statistics of Vivace-latency

Start at: 2018-04-10 20:45:50
End at: 2018-04-10 20:46:20

# Below is generated by plot.py at 2018-04-11 01:37:48
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 243.97 Mbit/s
  95th percentile per-packet one-way delay: 162.840 ms
  Loss rate: 2.21%
-- Flow 1:
  Average throughput: 243.97 Mbit/s
  95th percentile per-packet one-way delay: 162.840 ms
  Loss rate: 2.21%
Run 5: Report of Vivace-latency — Data Link
Run 6: Statistics of Vivace-latency

Start at: 2018-04-10 21:01:06
End at: 2018-04-10 21:01:36

# Below is generated by plot.py at 2018-04-11 01:38:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 264.70 Mbit/s
95th percentile per-packet one-way delay: 144.324 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 264.70 Mbit/s
95th percentile per-packet one-way delay: 144.324 ms
Loss rate: 1.43%
Run 6: Report of Vivace-latency — Data Link
Run 7: Statistics of Vivace-latency

Start at: 2018-04-10 21:16:50
End at: 2018-04-10 21:17:20

# Below is generated by plot.py at 2018-04-11 01:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 311.68 Mbit/s
95th percentile per-packet one-way delay: 176.684 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 311.68 Mbit/s
95th percentile per-packet one-way delay: 176.684 ms
Loss rate: 1.19%
Run 7: Report of Vivace-latency — Data Link
Run 8: Statistics of Vivace-latency

Start at: 2018-04-10 21:32:23
End at: 2018-04-10 21:32:53

# Below is generated by plot.py at 2018-04-11 01:39:45
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 228.84 Mbit/s
  95th percentile per-packet one-way delay: 188.462 ms
  Loss rate: 2.08%
-- Flow 1:
  Average throughput: 228.84 Mbit/s
  95th percentile per-packet one-way delay: 188.462 ms
  Loss rate: 2.08%
Run 8: Report of Vivace-latency — Data Link
Run 9: Statistics of Vivace-latency

Start at: 2018-04-10 21:48:02
End at: 2018-04-10 21:48:32

# Below is generated by plot.py at 2018-04-11 01:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 261.48 Mbit/s
95th percentile per-packet one-way delay: 157.196 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 261.48 Mbit/s
95th percentile per-packet one-way delay: 157.196 ms
Loss rate: 1.08%
Run 10: Statistics of Vivace-latency

Start at: 2018-04-10 22:03:28
End at: 2018-04-10 22:03:58

# Below is generated by plot.py at 2018-04-11 01:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 267.13 Mbit/s
95th percentile per-packet one-way delay: 170.387 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 267.13 Mbit/s
95th percentile per-packet one-way delay: 170.387 ms
Loss rate: 1.79%
Run 10: Report of Vivace-latency — Data Link

The graph shows the throughput (Mbps) and round-trip time (ms) over time for Flow 1 ingress and egress. The throughput peaks at approximately 550 Mbps, while the round-trip time shows variability, with the 95th percentile being around 170.39 ms.
Run 1: Statistics of Vivace-loss

Start at: 2018-04-10 19:33:28
End at: 2018-04-10 19:33:58

# Below is generated by plot.py at 2018-04-11 01:39:45
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 133.50 Mbit/s
  95th percentile per-packet one-way delay: 287.158 ms
  Loss rate: 8.70%
-- Flow 1:
  Average throughput: 133.50 Mbit/s
  95th percentile per-packet one-way delay: 287.158 ms
  Loss rate: 8.70%
Run 1: Report of Vivace-loss — Data Link
Run 2: Statistics of Vivace-loss

Start at: 2018-04-10 19:48:43
End at: 2018-04-10 19:49:13

# Below is generated by plot.py at 2018-04-11 01:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 163.05 Mbit/s
95th percentile per-packet one-way delay: 270.933 ms
Loss rate: 5.54%
-- Flow 1:
Average throughput: 163.05 Mbit/s
95th percentile per-packet one-way delay: 270.933 ms
Loss rate: 5.54%
Run 2: Report of Vivace-loss — Data Link

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

Flow 1 ingress (mean 171.03 Mbps) — Flow 1 egress (mean 163.05 Mbps)

![Graph 2: Packet Per Second vs. Time (ms)]

Flow 1 (95th percentile 278.93 ms)
Run 3: Statistics of Vivace-loss

Start at: 2018-04-10 20:04:12
End at: 2018-04-10 20:04:42

# Below is generated by plot.py at 2018-04-11 01:40:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 161.81 Mbit/s
95th percentile per-packet one-way delay: 278.222 ms
Loss rate: 5.98%
-- Flow 1:
Average throughput: 161.81 Mbit/s
95th percentile per-packet one-way delay: 278.222 ms
Loss rate: 5.98%
Run 3: Report of Vivace-loss — Data Link
Run 4: Statistics of Vivace-loss

Start at: 2018-04-10 20:19:27
End at: 2018-04-10 20:19:57

# Below is generated by plot.py at 2018-04-11 01:40:21
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 130.20 Mbit/s
  95th percentile per-packet one-way delay: 306.709 ms
  Loss rate: 11.27%
-- Flow 1:
  Average throughput: 130.20 Mbit/s
  95th percentile per-packet one-way delay: 306.709 ms
  Loss rate: 11.27%
Run 4: Report of Vivace-loss — Data Link
Run 5: Statistics of Vivace-loss

Start at: 2018-04-10 20:34:44
End at: 2018-04-10 20:35:14

# Below is generated by plot.py at 2018-04-11 01:40:24
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 128.46 Mbit/s
  95th percentile per-packet one-way delay: 288.143 ms
  Loss rate: 10.77%
-- Flow 1:
  Average throughput: 128.46 Mbit/s
  95th percentile per-packet one-way delay: 288.143 ms
  Loss rate: 10.77%
Run 5: Report of Vivace-loss — Data Link
Run 6: Statistics of Vivace-loss

Start at: 2018-04-10 20:50:28
End at: 2018-04-10 20:50:58

# Below is generated by plot.py at 2018-04-11 01:40:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 136.48 Mbit/s
95th percentile per-packet one-way delay: 276.305 ms
Loss rate: 7.61%
-- Flow 1:
Average throughput: 136.48 Mbit/s
95th percentile per-packet one-way delay: 276.305 ms
Loss rate: 7.61%
Run 6: Report of Vivace-loss — Data Link

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

- **Flow 1 ingress (mean 146.37 Mbit/s)**
- **Flow 1 egress (mean 136.48 Mbit/s)**

![Graph showing packet delay](image_url)

- **Flow 1 (95th percentile 276.31 ms)**
Run 7: Statistics of Vivace-loss

Start at: 2018-04-10 21:05:47
End at: 2018-04-10 21:06:17

# Below is generated by plot.py at 2018-04-11 01:41:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 133.74 Mbit/s
95th percentile per-packet one-way delay: 292.018 ms
Loss rate: 10.01%
-- Flow 1:
Average throughput: 133.74 Mbit/s
95th percentile per-packet one-way delay: 292.018 ms
Loss rate: 10.01%
Run 7: Report of Vivace-loss — Data Link

![Graph of throughput and packet delay over time](image1)

- Flow 1 ingress (mean 147.26 Mbit/s)
- Flow 1 egress (mean 133.74 Mbit/s)

![Graph of packet delay over time](image2)

- Flow 1 (95th percentile 292.62 ms)
Run 8: Statistics of Vivace-loss

Start at: 2018-04-10 21:21:35
End at: 2018-04-10 21:22:05

# Below is generated by plot.py at 2018-04-11 01:41:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 160.77 Mbit/s
95th percentile per-packet one-way delay: 289.792 ms
Loss rate: 8.39%
-- Flow 1:
Average throughput: 160.77 Mbit/s
95th percentile per-packet one-way delay: 289.792 ms
Loss rate: 8.39%
Run 8: Report of Vivace-loss — Data Link

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

- Flow 1 ingress (mean 173.90 Mbit/s)
- Flow 1 egress (mean 160.77 Mbit/s)

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

- Flow 1 (95th percentile 289.79 ms)
Run 9: Statistics of Vivace-loss

Start at: 2018-04-10 21:37:03
End at: 2018-04-10 21:37:33

# Below is generated by plot.py at 2018-04-11 01:43:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 246.00 Mbit/s
95th percentile per-packet one-way delay: 296.482 ms
Loss rate: 6.12%
-- Flow 1:
Average throughput: 246.00 Mbit/s
95th percentile per-packet one-way delay: 296.482 ms
Loss rate: 6.12%
Run 9: Report of Vivace-loss — Data Link
Run 10: Statistics of Vivace-loss

Start at: 2018-04-10 21:52:39
End at: 2018-04-10 21:53:09

# Below is generated by plot.py at 2018-04-11 01:43:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 227.41 Mbit/s
95th percentile per-packet one-way delay: 285.898 ms
Loss rate: 6.54%
-- Flow 1:
Average throughput: 227.41 Mbit/s
95th percentile per-packet one-way delay: 285.898 ms
Loss rate: 6.54%
Run 10: Report of Vivace-loss — Data Link

![Graph 1](image1.png)

- Flow 1 ingress (mean 241.12 Mbit/s)
- Flow 1 egress (mean 227.41 Mbit/s)

![Graph 2](image2.png)

- Flow 1 (95th percentile 216.90 ms)
Run 1: Statistics of Vivace-LTE

Start at: 2018-04-10 19:36:03
End at: 2018-04-10 19:36:33

# Below is generated by plot.py at 2018-04-11 01:45:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 323.41 Mbit/s
95th percentile per-packet one-way delay: 196.828 ms
Loss rate: 1.95%
-- Flow 1:
Average throughput: 323.41 Mbit/s
95th percentile per-packet one-way delay: 196.828 ms
Loss rate: 1.95%
Run 1: Report of Vivace-LTE — Data Link

![Graph of throughput and packet delay over time for Flow 1, showing ingress and egress data rates and packet delay](image_url)
Run 2: Statistics of Vivace-LTE

Start at: 2018-04-10 19:51:23
End at: 2018-04-10 19:51:53

# Below is generated by plot.py at 2018-04-11 01:45:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 275.58 Mbit/s
95th percentile per-packet one-way delay: 208.532 ms
Loss rate: 2.43%
-- Flow 1:
Average throughput: 275.58 Mbit/s
95th percentile per-packet one-way delay: 208.532 ms
Loss rate: 2.43%
Run 2: Report of Vivace-LTE — Data Link

Throughput (Mbit/s)

Time (s)

Flow 1 ingress (mean 279.87 Mbit/s)  Flow 1 egress (mean 275.58 Mbit/s)

Per-packet one way delay (ms)

Time (s)

Flow 1 (95th percentile 208.53 ms)
Run 3: Statistics of Vivace-LTE

Start at: 2018-04-10 20:06:49
End at: 2018-04-10 20:07:19

# Below is generated by plot.py at 2018-04-11 01:45:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 275.59 Mbit/s
95th percentile per-packet one-way delay: 277.835 ms
Loss rate: 2.06%
-- Flow 1:
Average throughput: 275.59 Mbit/s
95th percentile per-packet one-way delay: 277.835 ms
Loss rate: 2.06%
Run 3: Report of Vivace-LTE — Data Link

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

- Flow 1 ingress (mean 278.78 Mbit/s)
- Flow 1 egress (mean 275.59 Mbit/s)

![Graph showing packet delay distribution for Flow 1 with 95th percentile at 277.83 ms.]

Flow 1 (95th percentile 277.83 ms)
Run 4: Statistics of Vivace-LTE

Start at: 2018-04-10 20:22:02
End at: 2018-04-10 20:22:32

# Below is generated by plot.py at 2018-04-11 01:45:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 263.41 Mbit/s
95th percentile per-packet one-way delay: 280.962 ms
Loss rate: 2.04%
-- Flow 1:
Average throughput: 263.41 Mbit/s
95th percentile per-packet one-way delay: 280.962 ms
Loss rate: 2.04%
Run 4: Report of Vivace-LTE — Data Link

![Graph showing data link performance over time. The graphs display throughput in Mbps against time in seconds, with two lines representing ingress and egress speeds.](image-url)
Run 5: Statistics of Vivace-LTE

Start at: 2018-04-10 20:37:20
End at: 2018-04-10 20:37:50

# Below is generated by plot.py at 2018-04-11 01:46:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 353.73 Mbit/s
95th percentile per-packet one-way delay: 183.416 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 353.73 Mbit/s
95th percentile per-packet one-way delay: 183.416 ms
Loss rate: 1.77%
Run 5: Report of Vivace-LTE — Data Link
Run 6: Statistics of Vivace-LTE

Start at: 2018-04-10 20:53:03
End at: 2018-04-10 20:53:33

# Below is generated by plot.py at 2018-04-11 01:46:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 271.96 Mbit/s
95th percentile per-packet one-way delay: 276.463 ms
Loss rate: 2.72%
-- Flow 1:
Average throughput: 271.96 Mbit/s
95th percentile per-packet one-way delay: 276.463 ms
Loss rate: 2.72%
Run 6: Report of Vivace-LTE — Data Link

![Graph showing throughput and packet loss over time for a network flow.]

Flow 1 ingress (mean 277.03 Mbit/s) and Flow 1 egress (mean 271.96 Mbit/s).

Packet loss over time for Flow 1 with 95th percentile at 276.46 ms.
Run 7: Statistics of Vivace-LTE

Start at: 2018-04-10 21:08:28
End at: 2018-04-10 21:08:58

# Below is generated by plot.py at 2018-04-11 01:47:12
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 259.91 Mbit/s
  95th percentile per-packet one-way delay: 274.946 ms
  Loss rate: 2.74%
-- Flow 1:
  Average throughput: 259.91 Mbit/s
  95th percentile per-packet one-way delay: 274.946 ms
  Loss rate: 2.74%
Run 7: Report of Vivace-LTE — Data Link

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

- Flow 1 ingress (mean 264.78 Mbit/s)
- Flow 1 egress (mean 259.91 Mbit/s)

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

- Flow 1 (95th percentile 247.95 ms)
Run 8: Statistics of Vivace-LTE

Start at: 2018-04-10 21:24:11
End at: 2018-04-10 21:24:42

# Below is generated by plot.py at 2018-04-11 01:47:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 316.94 Mbit/s
95th percentile per-packet one-way delay: 288.042 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 316.94 Mbit/s
95th percentile per-packet one-way delay: 288.042 ms
Loss rate: 1.94%
Run 8: Report of Vivace-LTE — Data Link
Run 9: Statistics of Vivace-LTE

Start at: 2018-04-10 21:39:51
End at: 2018-04-10 21:40:21

# Below is generated by plot.py at 2018-04-11 01:47:48
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 316.96 Mbit/s
  95th percentile per-packet one-way delay: 200.265 ms
  Loss rate: 1.92%
-- Flow 1:
  Average throughput: 316.96 Mbit/s
  95th percentile per-packet one-way delay: 200.265 ms
  Loss rate: 1.92%
Run 9: Report of Vivace-LTE — Data Link

![Graph of Throughput Over Time](image1)

- Flow 1 ingress (mean 320.21 Mbit/s)
- Flow 1 egress (mean 318.96 Mbit/s)

![Graph of Packet One Way Delay Over Time](image2)

- Flow 1 (95th percentile 200.26 ms)
Run 10: Statistics of Vivace-LTE


# Below is generated by plot.py at 2018-04-11 01:47:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 264.17 Mbit/s
95th percentile per-packet one-way delay: 279.653 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 264.17 Mbit/s
95th percentile per-packet one-way delay: 279.653 ms
Loss rate: 2.10%
Run 10: Report of Vivace-LTE — Data Link

Throughput (Mbps)

Time (s)

Flow 1 ingress (mean 267.39 Mbps)  
Flow 1 egress (mean 264.17 Mbps)

Per packet one way delay (ms)

Time (s)

Flow 1 (95th percentile 279.65 ms)