Pantheon Report

Generated at 2020-02-18 15:04:42 (UTC).
Data path: GCE Sydney on ens4 (local) → GCE London on ens4 (remote).
Repeated the test of 24 congestion control schemes 5 times.
Each test lasted for 30 seconds running 1 flow.
NTP offsets were measured against time.google.com and have been applied
to correct the timestamps in logs.

System info:
Linux 5.0.0-1026-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912

Git summary:
branch: muses @ de42328552b3776a93294dfafdf722537b0ec
third_party/fillp @ 0e5bb722943babcd2b0902c64fc45e12e923f9
third_party/genericCC @ d015f8e594a89e93b032143cedbfe58e562f4
third_party/libutp @ b346b942e2826f2b179eaab4a906ce6b7cf3cf
third_party/muses @ 5ce721187ad823da20955377730c746468ca4966
third_party/muses_dtree @ 387225f7b5f61d7febe92d708a88699bb84eb3200
third_party/pantheon-tunnel @ f866df58d27afd9429717625ee3a354cc2e802bd
third_party/pcc @ 1af9c958fa0d6d18b623c091a55f8c872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08f92c4eb24f974ab
third_party/proto-quot @ 77961f1a82733a86b42f1bc8143ebc978f3c0b42
third_party/scream-reproduce @ 0f99118d1421aa3131bf11ff1964974e1da3dab2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ 0d44b47ea74c6c0a261149af2629562939f9494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
test from GCE Sydney to GCE London, 5 runs of 30s each per scheme
(mean of all runs by scheme)
<table>
<thead>
<tr>
<th>scheme</th>
<th># runs</th>
<th>mean avg tput (Mbit/s)</th>
<th>mean 95th-%ile delay (ms)</th>
<th>mean loss rate (%)</th>
</tr>
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<tbody>
<tr>
<td>TCP BBR</td>
<td>5</td>
<td>500.53</td>
<td>164.47</td>
<td>0.10</td>
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<td>Copa</td>
<td>5</td>
<td>299.07</td>
<td>166.90</td>
<td>0.00</td>
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<td>TCP Cubic</td>
<td>5</td>
<td>249.63</td>
<td>155.56</td>
<td>0.11</td>
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<td>FillP</td>
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<td>643.34</td>
<td>172.56</td>
<td>0.25</td>
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<td>FillP-Sheep</td>
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<td>655.77</td>
<td>161.42</td>
<td>0.19</td>
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<td>Indigo</td>
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<td>137.91</td>
<td>134.61</td>
<td>0.00</td>
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<td>Indigo-MusesC3</td>
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<td>477.55</td>
<td>138.55</td>
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<td>0.02</td>
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<td>Indigo-MusesD</td>
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<tr>
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<td>139.20</td>
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<td>LEBAT</td>
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<td>5.01</td>
<td>134.91</td>
<td>0.00</td>
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<td>134.88</td>
<td>0.00</td>
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<td>163.56</td>
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<td>135.02</td>
<td>0.00</td>
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<td>239.61</td>
<td>2.49</td>
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<td>230.44</td>
<td>181.27</td>
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<td>134.55</td>
<td>0.00</td>
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<td>5</td>
<td>0.19</td>
<td>133.61</td>
<td>0.00</td>
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<td>0.53</td>
<td>134.24</td>
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<td>119.58</td>
<td>133.84</td>
<td>0.01</td>
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<td>195.02</td>
<td>134.34</td>
<td>0.00</td>
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<tr>
<td>Verus</td>
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<td>149.31</td>
<td>220.54</td>
<td>1.64</td>
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<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
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Run 1: Statistics of TCP BBR

Start at: 2020-02-18 10:03:24
End at: 2020-02-18 10:03:54
Local clock offset: 0.32 ms
Remote clock offset: 0.003 ms

# Below is generated by plot.py at 2020-02-18 13:17:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 645.53 Mbit/s
95th percentile per-packet one-way delay: 176.266 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 645.53 Mbit/s
95th percentile per-packet one-way delay: 176.266 ms
Loss rate: 0.30%
Run 2: Statistics of TCP BBR

Start at: 2020-02-18 10:38:57
End at: 2020-02-18 10:39:27
Local clock offset: -0.11 ms
Remote clock offset: -0.003 ms

# Below is generated by plot.py at 2020-02-18 13:17:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 448.61 Mbit/s
95th percentile per-packet one-way delay: 156.253 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 448.61 Mbit/s
95th percentile per-packet one-way delay: 156.253 ms
Loss rate: 0.00%
Run 2: Report of TCP BBR — Data Link

![Graph of Throughput](image1)

![Graph of Latency](image2)

*Flow 1 ingress (mean 448.60 Mbit/s) — Flow 1 egress (mean 448.61 Mbit/s)*

*Flow 1 (95th percentile 156.25 ms)*
Run 3: Statistics of TCP BBR

Start at: 2020-02-18 11:14:57
End at: 2020-02-18 11:15:27
Local clock offset: 0.252 ms
Remote clock offset: -0.134 ms

# Below is generated by plot.py at 2020-02-18 13:17:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 427.23 Mbit/s
95th percentile per-packet one-way delay: 169.747 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 427.23 Mbit/s
95th percentile per-packet one-way delay: 169.747 ms
Loss rate: 0.00%
Run 3: Report of TCP BBR — Data Link

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

- **Flow 1 ingress (mean 427.22 Mbit/s)**
- **Flow 1 egress (mean 427.23 Mbit/s)**

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

- **Flow 1 (95th percentile 169.75 ms)**
Run 4: Statistics of TCP BBR

Start at: 2020-02-18 11:50:15
End at: 2020-02-18 11:50:45
Local clock offset: -0.122 ms
Remote clock offset: -0.029 ms

# Below is generated by plot.py at 2020-02-18 13:17:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 396.93 Mbit/s
95th percentile per-packet one-way delay: 137.577 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 396.93 Mbit/s
95th percentile per-packet one-way delay: 137.577 ms
Loss rate: 0.07%
Run 4: Report of TCP BBR — Data Link

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

- **Throughput (Mbps)** vs **Time (s)**
  - Blue dashed line: Flow 1 ingress (mean 397.22 Mbps)
  - Red solid line: Flow 1 egress (mean 396.93 Mbps)

- **Per packet one way delay (ms)** vs **Time (s)**
  - Flow 1 (95th percentile 137.58 ms)
Run 5: Statistics of TCP BBR

Start at: 2020-02-18 12:25:47
End at: 2020-02-18 12:26:17
Local clock offset: -0.056 ms
Remote clock offset: 0.112 ms

# Below is generated by plot.py at 2020-02-18 13:17:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 584.36 Mbit/s
95th percentile per-packet one-way delay: 182.496 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 584.36 Mbit/s
95th percentile per-packet one-way delay: 182.496 ms
Loss rate: 0.12%
Run 5: Report of TCP BBR — Data Link
Run 1: Statistics of Copa

Start at: 2020-02-18 10:11:28  
End at: 2020-02-18 10:11:58  
Local clock offset: -0.009 ms  
Remote clock offset: -0.011 ms

# Below is generated by plot.py at 2020-02-18 13:17:45  
# Datalink statistics

-- Total of 1 flow:  
Average throughput: 258.57 Mbit/s  
95th percentile per-packet one-way delay: 136.200 ms  
Loss rate: 0.00%

-- Flow 1:  
Average throughput: 258.57 Mbit/s  
95th percentile per-packet one-way delay: 136.200 ms  
Loss rate: 0.00%
Run 1: Report of Copa — Data Link
Run 2: Statistics of Copa

Start at: 2020-02-18 10:46:50
End at: 2020-02-18 10:47:20
Local clock offset: -0.067 ms
Remote clock offset: -0.1 ms

# Below is generated by plot.py at 2020-02-18 13:17:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 309.14 Mbit/s
95th percentile per-packet one-way delay: 189.121 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 309.14 Mbit/s
95th percentile per-packet one-way delay: 189.121 ms
Loss rate: 0.00%
Run 2: Report of Copa — Data Link
Run 3: Statistics of Copa

Start at: 2020-02-18 11:22:43
End at: 2020-02-18 11:23:13
Local clock offset: -0.109 ms
Remote clock offset: -0.146 ms

# Below is generated by plot.py at 2020-02-18 13:17:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 322.93 Mbit/s
95th percentile per-packet one-way delay: 205.422 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 322.93 Mbit/s
95th percentile per-packet one-way delay: 205.422 ms
Loss rate: 0.00%
Run 3: Report of Copa — Data Link

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

Flow 1 ingress (mean 322.92 Mbit/s) - Flow 1 egress (mean 322.93 Mbit/s)

Flow 1 (95th percentile 205.42 ms)
Run 4: Statistics of Copa

Start at: 2020-02-18 11:57:56
End at: 2020-02-18 11:58:26
Local clock offset: -0.131 ms
Remote clock offset: 0.0 ms

# Below is generated by plot.py at 2020-02-18 13:26:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 334.56 Mbit/s
95th percentile per-packet one-way delay: 153.090 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 334.56 Mbit/s
95th percentile per-packet one-way delay: 153.090 ms
Loss rate: 0.00%
Run 4: Report of Copa — Data Link
Run 5: Statistics of Copa

Start at: 2020-02-18 12:33:37
End at: 2020-02-18 12:34:07
Local clock offset: -0.065 ms
Remote clock offset: 0.145 ms

# Below is generated by plot.py at 2020-02-18 13:26:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 270.15 Mbit/s
95th percentile per-packet one-way delay: 150.668 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 270.15 Mbit/s
95th percentile per-packet one-way delay: 150.668 ms
Loss rate: 0.00%
Run 5: Report of Copa — Data Link

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

- **Flow 1 ingress (mean 270.16 Mbit/s)**
- **Flow 1 egress (mean 270.15 Mbit/s)**

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

- **Flow 1 (95th percentile 150.67 ms)**
Run 1: Statistics of TCP Cubic

Start at: 2020-02-18 10:23:59
End at: 2020-02-18 10:24:29
Local clock offset: -0.096 ms
Remote clock offset: -0.002 ms

# Below is generated by plot.py at 2020-02-18 13:26:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 246.55 Mbit/s
95th percentile per-packet one-way delay: 135.915 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 246.55 Mbit/s
95th percentile per-packet one-way delay: 135.915 ms
Loss rate: 0.00%
Run 1: Report of TCP Cubic — Data Link

![Graph of Throughput (Mbps) over time with two lines representing Flow 1 ingress and egress flows.]

![Graph of Per-packet one-way delay (ms) over time with one line representing Flow 1.]

(flow 1)
Run 2: Statistics of TCP Cubic

Start at: 2020-02-18 10:59:59
End at: 2020-02-18 11:00:29
Local clock offset: -0.071 ms
Remote clock offset: -0.159 ms

# Below is generated by plot.py at 2020-02-18 13:26:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 329.30 Mbit/s
95th percentile per-packet one-way delay: 132.982 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 329.30 Mbit/s
95th percentile per-packet one-way delay: 132.982 ms
Loss rate: 0.00%
Run 2: Report of TCP Cubic — Data Link
Run 3: Statistics of TCP Cubic

Start at: 2020-02-18 11:35:27
End at: 2020-02-18 11:35:57
Local clock offset: 0.209 ms
Remote clock offset: -0.115 ms

# Below is generated by plot.py at 2020-02-18 13:26:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 275.90 Mbit/s
95th percentile per-packet one-way delay: 239.567 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 275.90 Mbit/s
95th percentile per-packet one-way delay: 239.567 ms
Loss rate: 0.57%
Run 3: Report of TCP Cubic — Data Link
Run 4: Statistics of TCP Cubic

Start at: 2020-02-18 12:11:05
End at: 2020-02-18 12:11:35
Local clock offset: -0.117 ms
Remote clock offset: 0.077 ms

# Below is generated by plot.py at 2020-02-18 13:26:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 283.52 Mbit/s
95th percentile per-packet one-way delay: 134.516 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 283.52 Mbit/s
95th percentile per-packet one-way delay: 134.516 ms
Loss rate: 0.00%
Run 4: Report of TCP Cubic — Data Link

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

- Flow 1 ingress (mean 283.51 Mbit/s)
- Flow 1 egress (mean 283.52 Mbit/s)

![Graph showing packet delay distribution for Flow 1.]

- Flow 1 (95th percentile 134.52 ms)
Run 5: Statistics of TCP Cubic

Start at: 2020-02-18 12:46:40
End at: 2020-02-18 12:47:10
Local clock offset: -0.044 ms
Remote clock offset: 0.223 ms

# Below is generated by plot.py at 2020-02-18 13:26:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 112.88 Mbit/s
95th percentile per-packet one-way delay: 134.835 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 112.88 Mbit/s
95th percentile per-packet one-way delay: 134.835 ms
Loss rate: 0.00%
Run 5: Report of TCP Cubic — Data Link

Throughput (Mbps)

Time (s)

Flow 1 ingress (mean 112.88 Mbit/s)  Flow 1 egress (mean 112.88 Mbit/s)

Per packet one-way delay (ms)

Time (s)

Flow 1 (95th percentile 134.84 ms)
Run 1: Statistics of F11P

Start at: 2020-02-18 10:25:25
End at: 2020-02-18 10:25:55
Local clock offset: 0.134 ms
Remote clock offset: 0.005 ms

# Below is generated by plot.py at 2020-02-18 13:40:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 753.08 Mbit/s
95th percentile per-packet one-way delay: 185.534 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 753.08 Mbit/s
95th percentile per-packet one-way delay: 185.534 ms
Loss rate: 0.42%
Run 1: Report of FillP — Data Link

![Graph 1: Throughput (Mbps)](image)
- Flow 1 ingress (mean 756.26 Mbit/s)
- Flow 1 egress (mean 753.08 Mbit/s)

![Graph 2: Per-packet one way delay (ms)](image)
- Flow 1 (95th percentile 185.53 ms)
Run 2: Statistics of FillP

Start at: 2020-02-18 11:01:30
End at: 2020-02-18 11:02:00
Local clock offset: -0.066 ms
Remote clock offset: -0.144 ms

# Below is generated by plot.py at 2020-02-18 13:40:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 599.47 Mbit/s
95th percentile per-packet one-way delay: 146.443 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 599.47 Mbit/s
95th percentile per-packet one-way delay: 146.443 ms
Loss rate: 0.40%
Run 2: Report of FillP — Data Link

![Throughput graph](image1)

*Flow 1 ingress (mean 601.86 Mbit/s)  Flow 1 egress (mean 599.47 Mbit/s)*

![Delay graph](image2)

*Flow 1 (95th percentile 146.44 ms)*
Run 3: Statistics of FillP

Start at: 2020-02-18 11:36:55
End at: 2020-02-18 11:37:25
Local clock offset: -0.05 ms
Remote clock offset: -0.119 ms

# Below is generated by plot.py at 2020-02-18 13:40:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 700.48 Mbit/s
95th percentile per-packet one-way delay: 185.116 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 700.48 Mbit/s
95th percentile per-packet one-way delay: 185.116 ms
Loss rate: 0.21%
Run 3: Report of FillP — Data Link
Run 4: Statistics of FillP

Start at: 2020-02-18 12:12:33
End at: 2020-02-18 12:13:03
Local clock offset: 0.265 ms
Remote clock offset: 0.075 ms

# Below is generated by plot.py at 2020-02-18 13:40:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 521.07 Mbit/s
95th percentile per-packet one-way delay: 177.877 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 521.07 Mbit/s
95th percentile per-packet one-way delay: 177.877 ms
Loss rate: 0.19%
Run 4: Report of FillP — Data Link

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

- Flow 1 ingress (mean 522.07 Mbit/s)
- Flow 1 egress (mean 521.07 Mbit/s)

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

- Flow 1 (95th percentile 177.88 ms)
Run 5: Statistics of FillP

Start at: 2020-02-18 12:47:58
End at: 2020-02-18 12:48:28
Local clock offset: 0.283 ms
Remote clock offset: 0.146 ms

# Below is generated by plot.py at 2020-02-18 13:42:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 642.61 Mbit/s
95th percentile per-packet one-way delay: 167.845 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 642.61 Mbit/s
95th percentile per-packet one-way delay: 167.845 ms
Loss rate: 0.01%
Run 5: Report of FillP — Data Link
Run 1: Statistics of FillP-Sheep

Start at: 2020-02-18 10:16:40
End at: 2020-02-18 10:17:10
Local clock offset: ~0.084 ms
Remote clock offset: ~0.004 ms

# Below is generated by plot.py at 2020-02-18 13:43:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 681.13 Mbit/s
95th percentile per-packet one-way delay: 159.963 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 681.13 Mbit/s
95th percentile per-packet one-way delay: 159.963 ms
Loss rate: 0.10%
Run 1: Report of FillP-Sheep — Data Link

![Graphs showing throughput and packet delay over time](image-url)
Run 2: Statistics of FillP-Sheep

Start at: 2020-02-18 10:52:36
End at: 2020-02-18 10:53:06
Local clock offset: -0.04 ms
Remote clock offset: -0.122 ms

# Below is generated by plot.py at 2020-02-18 13:44:21
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 663.68 Mbit/s
  95th percentile per-packet one-way delay: 158.041 ms
  Loss rate: 0.52%
-- Flow 1:
  Average throughput: 663.68 Mbit/s
  95th percentile per-packet one-way delay: 158.041 ms
  Loss rate: 0.52%
Run 2: Report of FillP-Sheep — Data Link

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

- Flow 1 ingress (mean 667.14 Mbps)
- Flow 1 egress (mean 663.68 Mbps)

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

- Flow 1 (95th percentile 158.04 ms)
Run 3: Statistics of FillP-Sheep

Start at: 2020-02-18 11:28:03
End at: 2020-02-18 11:28:33
Local clock offset: -0.099 ms
Remote clock offset: -0.102 ms

# Below is generated by plot.py at 2020-02-18 13:47:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 682.30 Mbit/s
95th percentile per-packet one-way delay: 191.967 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 682.30 Mbit/s
95th percentile per-packet one-way delay: 191.967 ms
Loss rate: 0.29%
Run 3: Report of FillP-Sheep — Data Link

![Throughput vs Time Graph]

- Flow 1 ingress (mean 684.34 Mbit/s)
- Flow 1 egress (mean 682.30 Mbit/s)

![Delay vs Time Graph]

- Flow 1 (95th percentile 191.97 ms)
Run 4: Statistics of FillP-Sheep

Start at: 2020-02-18 12:03:44
End at: 2020-02-18 12:04:14
Local clock offset: 0.264 ms
Remote clock offset: 0.051 ms

# Below is generated by plot.py at 2020-02-18 13:56:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 648.43 Mbit/s
95th percentile per-packet one-way delay: 147.816 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 648.43 Mbit/s
95th percentile per-packet one-way delay: 147.816 ms
Loss rate: 0.05%
Run 4: Report of FillP-Sheep — Data Link
Run 5: Statistics of FillP-Sheep

Start at: 2020-02-18 12:39:20
End at: 2020-02-18 12:39:50
Local clock offset: -0.1 ms
Remote clock offset: 0.153 ms

# Below is generated by plot.py at 2020-02-18 13:56:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 603.33 Mbit/s
95th percentile per-packet one-way delay: 149.332 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 603.33 Mbit/s
95th percentile per-packet one-way delay: 149.332 ms
Loss rate: 0.00%
Run 5: Report of FillP-Sheep — Data Link

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

- **Flow 1 ingress (mean 603.32 Mbit/s)**
- **Flow 1 egress (mean 603.33 Mbit/s)**

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

- **Flow 1 (95th percentile 149.33 ms)**
Run 1: Statistics of Indigo

Start at: 2020-02-18 10:06:42  
End at: 2020-02-18 10:07:12  
Local clock offset: -0.038 ms  
Remote clock offset: -0.03 ms

# Below is generated by plot.py at 2020-02-18 13:56:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 145.21 Mbit/s
95th percentile per-packet one-way delay: 134.938 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 145.21 Mbit/s
95th percentile per-packet one-way delay: 134.938 ms
Loss rate: 0.00%
Run 1: Report of Indigo — Data Link
Run 2: Statistics of Indigo

Start at: 2020-02-18 10:42:00
End at: 2020-02-18 10:42:30
Local clock offset: 0.259 ms
Remote clock offset: -0.071 ms

# Below is generated by plot.py at 2020-02-18 13:56:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 133.96 Mbit/s
95th percentile per-packet one-way delay: 135.274 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 133.96 Mbit/s
95th percentile per-packet one-way delay: 135.274 ms
Loss rate: 0.00%
Run 2: Report of Indigo — Data Link

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

**Flow 1 ingress (mean 133.96 Mbit/s)**

**Flow 1 egress (mean 133.96 Mbit/s)**

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

**Flow 1 (95th percentile 135.27 ms)**
Run 3: Statistics of Indigo

Start at: 2020-02-18 11:18:05
End at: 2020-02-18 11:18:35
Local clock offset: -0.084 ms
Remote clock offset: -0.125 ms

# Below is generated by plot.py at 2020-02-18 13:56:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 135.53 Mbit/s
95th percentile per-packet one-way delay: 133.102 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 135.53 Mbit/s
95th percentile per-packet one-way delay: 133.102 ms
Loss rate: 0.00%
Run 3: Report of Indigo — Data Link

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

- **Flow 1 ingress (mean 135.50 Mbit/s)**
- **Flow 1 egress (mean 135.53 Mbit/s)**

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

- **Flow 1 (95th percentile 133.10 ms)**
Run 4: Statistics of Indigo

Start at: 2020-02-18 11:53:13
End at: 2020-02-18 11:53:43
Local clock offset: -0.06 ms
Remote clock offset: -0.004 ms

# Below is generated by plot.py at 2020-02-18 13:56:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 140.25 Mbit/s
95th percentile per-packet one-way delay: 135.475 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 140.25 Mbit/s
95th percentile per-packet one-way delay: 135.475 ms
Loss rate: 0.00%
Run 4: Report of Indigo — Data Link

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

- **Flow 1 ingress (mean 140.24 Mbit/s)**
- **Flow 1 egress (mean 140.25 Mbit/s)**

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

- **Flow 1 (95th percentile 135.47 ms)**
Run 5: Statistics of Indigo

Start at: 2020-02-18 12:28:59
End at: 2020-02-18 12:29:30
Local clock offset: -0.05 ms
Remote clock offset: 0.132 ms

# Below is generated by plot.py at 2020-02-18 13:56:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 134.58 Mbit/s
95th percentile per-packet one-way delay: 134.282 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 134.58 Mbit/s
95th percentile per-packet one-way delay: 134.282 ms
Loss rate: 0.00%
Run 1: Statistics of Indigo-MusesC3

Start at: 2020-02-18 09:56:26
End at: 2020-02-18 09:56:56
Local clock offset: -0.033 ms
Remote clock offset: -0.007 ms
Run 1: Report of Indigo-MusesC3 — Data Link

![Graph of throughput over time showing two lines representing flow ingress and egress with mean values of 402.92 Mbit/s and 402.96 Mbit/s respectively.]

![Graph of per-packet delay showing a spread of data points with a 95th percentile delay of 135.37 ms.]

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Run 2: Statistics of Indigo-MusesC3

Start at: 2020-02-18 10:31:13
End at: 2020-02-18 10:31:43
Local clock offset: -0.086 ms
Remote clock offset: -0.038 ms

# Below is generated by plot.py at 2020-02-18 13:58:59
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 486.94 Mbit/s
  95th percentile per-packet one-way delay: 137.623 ms
  Loss rate: 0.00%
-- Flow 1:
  Average throughput: 486.94 Mbit/s
  95th percentile per-packet one-way delay: 137.623 ms
  Loss rate: 0.00%
Run 2: Report of Indigo-MusesC3 — Data Link

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

- **Throughput**: The graph displays the throughput over time, with two lines indicating the flow ingress and egress rates. The throughput varies over time, peaking at around 500 Mbps before dropping significantly.

- **Latency**: The second graph shows the latency per packet over time. The latency is relatively stable with occasional spikes.

- **Flow Details**: The flow details indicate a mean ingress rate of 486.91 Mbps and an egress rate of 486.34 Mbps.

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Run 3: Statistics of Indigo-MusesC3

Start at: 2020-02-18 11:07:21
End at: 2020-02-18 11:07:51
Local clock offset: -0.046 ms
Remote clock offset: -0.142 ms

# Below is generated by plot.py at 2020-02-18 13:58:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 470.05 Mbit/s
95th percentile per-packet one-way delay: 137.323 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 470.05 Mbit/s
95th percentile per-packet one-way delay: 137.323 ms
Loss rate: 0.00%
Run 3: Report of Indigo-MusesC3 — Data Link
Run 4: Statistics of Indigo-MusesC3

Start at: 2020-02-18 11:42:42
End at: 2020-02-18 11:43:12
Local clock offset: 0.255 ms
Remote clock offset: -0.112 ms

# Below is generated by plot.py at 2020-02-18 13:59:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 455.10 Mbit/s
95th percentile per-packet one-way delay: 132.778 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 455.10 Mbit/s
95th percentile per-packet one-way delay: 132.778 ms
Loss rate: 0.00%
Run 4: Report of Indigo-MusesC3 — Data Link

![Throughput over time graph]

**Throughput (Mbps)**

Time (s)

- Flow 1 ingress (mean 455.08 Mbit/s)
- Flow 1 egress (mean 455.10 Mbit/s)

![Per-packet one way delay graph]

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

Time (s)

- Flow 1 (95th percentile 132.78 ms)
Run 5: Statistics of Indigo-MusesC3

Start at: 2020-02-18 12:18:01
End at: 2020-02-18 12:18:31
Local clock offset: ~0.115 ms
Remote clock offset: 0.077 ms

# Below is generated by plot.py at 2020-02-18 14:02:12
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 498.09 Mbit/s
  95th percentile per-packet one-way delay: 146.487 ms
  Loss rate: 0.00%
-- Flow 1:
  Average throughput: 498.09 Mbit/s
  95th percentile per-packet one-way delay: 146.487 ms
  Loss rate: 0.00%
Run 5: Report of Indigo-MusesC3 — Data Link

![Graph 1](chart.png)

**Flow Details**

- Flow 1 ingress (mean 498.08 Mbit/s)
- Flow 1 egress (mean 498.09 Mbit/s)

![Graph 2](chart2.png)

**Flow Details**

- Flow 1 95th percentile 146.49 ms
Run 1: Statistics of Indigo-MusesC5

Start at: 2020-02-18 10:22:23
End at: 2020-02-18 10:22:53
Local clock offset: -0.096 ms
Remote clock offset: -0.032 ms

# Below is generated by plot.py at 2020-02-18 14:02:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 460.56 Mbit/s
95th percentile per-packet one-way delay: 140.773 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 460.56 Mbit/s
95th percentile per-packet one-way delay: 140.773 ms
Loss rate: 0.06%
Run 1: Report of Indigo-MusesC5 — Data Link

![Throughput plot](image)

- Flow 1 ingress (mean 460.82 Mbit/s)
- Flow 1 egress (mean 460.56 Mbit/s)

![Per-packet one-way delay plot](image)

- Flow 1 (95th percentile 140.77 ms)
Run 2: Statistics of Indigo-MusesC5

Start at: 2020-02-18 10:58:21
End at: 2020-02-18 10:58:51
Local clock offset: 0.122 ms
Remote clock offset: -0.134 ms

# Below is generated by plot.py at 2020-02-18 14:03:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 493.18 Mbit/s
95th percentile per-packet one-way delay: 140.342 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 493.18 Mbit/s
95th percentile per-packet one-way delay: 140.342 ms
Loss rate: 0.00%
Run 2: Report of Indigo-MusesC5 — Data Link

![Throughput](chart1.png)

- Flow 1 ingress (mean 493.16 Mbit/s)
- Flow 1 egress (mean 493.18 Mbit/s)

![Delay](chart2.png)

- Flow 1 (95th percentile 140.34 ms)
Run 3: Statistics of Indigo-MusesC5

Start at: 2020-02-18 11:33:51
End at: 2020-02-18 11:34:21
Local clock offset: -0.116 ms
Remote clock offset: -0.059 ms

# Below is generated by plot.py at 2020-02-18 14:07:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 469.40 Mbit/s
95th percentile per-packet one-way delay: 145.765 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 469.40 Mbit/s
95th percentile per-packet one-way delay: 145.765 ms
Loss rate: 0.00%
Run 3: Report of Indigo-MusesC5 — Data Link

Graph 1: Throughput (Mbps)
- Flow 1 ingress (mean 469.41 Mbit/s)
- Flow 1 egress (mean 469.40 Mbit/s)

Graph 2: Per packet one way delay (ms)
- Flow 1 (95th percentile 145.76 ms)
Run 4: Statistics of Indigo-MusesC5

Start at: 2020-02-18 12:09:29
End at: 2020-02-18 12:09:59
Local clock offset: -0.094 ms
Remote clock offset: 0.058 ms

# Below is generated by plot.py at 2020-02-18 14:07:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 446.74 Mbit/s
95th percentile per-packet one-way delay: 158.983 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 446.74 Mbit/s
95th percentile per-packet one-way delay: 158.983 ms
Loss rate: 0.06%
Run 4: Report of Indigo-MusesC5 — Data Link
Run 5: Statistics of Indigo-MusesC5

Start at: 2020-02-18 12:45:03
End at: 2020-02-18 12:45:33
Local clock offset: -0.072 ms
Remote clock offset: 0.162 ms

# Below is generated by plot.py at 2020-02-18 14:10:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 464.20 Mbit/s
95th percentile per-packet one-way delay: 137.053 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 464.20 Mbit/s
95th percentile per-packet one-way delay: 137.053 ms
Loss rate: 0.00%
Run 5: Report of Indigo-MusesC5 — Data Link

[Graph 1: Throughput vs Time]

[Graph 2: Packet oneway delay vs Time]

Flow 1 ingress (mean 464.21 Mbit/s)  Flow 1 egress (mean 464.20 Mbit/s)

Flow 1 (95th percentile 137.05 ms)
Run 1: Statistics of Indigo-MusesD

Start at: 2020-02-18 10:00:19
End at: 2020-02-18 10:00:49
Local clock offset: 0.039 ms
Remote clock offset: 0.027 ms

# Below is generated by plot.py at 2020-02-18 14:10:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 415.01 Mbit/s
95th percentile per-packet one-way delay: 135.557 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 415.01 Mbit/s
95th percentile per-packet one-way delay: 135.557 ms
Loss rate: 0.00%
Run 1: Report of Indigo-MusesD — Data Link

Throughput (kb/s)

Time (s)

---

Flow 1 ingress (mean 415.01 Mbit/s)  Flow 1 egress (mean 415.01 Mbit/s)

---

Per-packet one-way delay (ms)

Time (s)

Flow 1 (95th percentile 135.56 ms)
Run 2: Statistics of Indigo-MusesD

Start at: 2020-02-18 10:35:58
End at: 2020-02-18 10:36:28
Local clock offset: -0.098 ms
Remote clock offset: 0.007 ms

# Below is generated by plot.py at 2020-02-18 14:10:05
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 428.01 Mbit/s
  95th percentile per-packet one-way delay: 137.096 ms
  Loss rate: 0.01%
-- Flow 1:
  Average throughput: 428.01 Mbit/s
  95th percentile per-packet one-way delay: 137.096 ms
  Loss rate: 0.01%
Run 2: Report of Indigo-MusesD — Data Link

![Graph 1: Throughput (Mbps)]

- **Flow 1 ingress (mean 428.01 Mbit/s)**
- **Flow 1 egress (mean 428.01 Mbit/s)**

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

- **Flow 1 (95th percentile 137.10 ms)**
Run 3: Statistics of Indigo-MusesD

Start at: 2020-02-18 11:11:59
End at: 2020-02-18 11:12:29
Local clock offset: 0.188 ms
Remote clock offset: -0.136 ms

# Below is generated by plot.py at 2020-02-18 14:12:02
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 421.49 Mbit/s
  95th percentile per-packet one-way delay: 158.232 ms
  Loss rate: 0.00%
-- Flow 1:
  Average throughput: 421.49 Mbit/s
  95th percentile per-packet one-way delay: 158.232 ms
  Loss rate: 0.00%
Run 3: Report of Indigo-MusesD — Data Link

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Graph 1: Throughput (Mbps) over time (s)
- Flow 1 ingress (mean 421.47 Mbps)
- Flow 1 egress (mean 421.49 Mbps)

Graph 2: Per-packet one way delay (ms) over time (s)
- Flow 1 (95th percentile 158.23 ms)
Run 4: Statistics of Indigo-MusesD

Start at: 2020-02-18 11:47:15
End at: 2020-02-18 11:47:45
Local clock offset: -0.139 ms
Remote clock offset: -0.103 ms

# Below is generated by plot.py at 2020-02-18 14:12:02
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 397.85 Mbit/s
  95th percentile per-packet one-way delay: 135.661 ms
  Loss rate: 0.00%
-- Flow 1:
  Average throughput: 397.85 Mbit/s
  95th percentile per-packet one-way delay: 135.661 ms
  Loss rate: 0.00%
Run 4: Report of Indigo-MusesD — Data Link

![Graph of throughput and delay](image-url)
Run 5: Statistics of Indigo-MusesD

Start at: 2020-02-18 12:22:41
End at: 2020-02-18 12:23:12
Local clock offset: -0.047 ms
Remote clock offset: 0.085 ms

# Below is generated by plot.py at 2020-02-18 14:13:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 394.32 Mbit/s
95th percentile per-packet one-way delay: 134.569 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 394.32 Mbit/s
95th percentile per-packet one-way delay: 134.569 ms
Loss rate: 0.00%
Run 5: Report of Indigo-MusesD — Data Link

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

- Flow 1 ingress (mean 394.31 Mbit/s)
- Flow 1 egress (mean 394.32 Mbit/s)

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

- Flow 1 (95th percentile 134.57 ms)
Run 1: Statistics of Indigo-MusesT

Start at: 2020-02-18 10:18:24
End at: 2020-02-18 10:18:54
Local clock offset: -0.065 ms
Remote clock offset: -0.011 ms

# Below is generated by plot.py at 2020-02-18 14:18:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 494.77 Mbit/s
95th percentile per-packet one-way delay: 137.102 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 494.77 Mbit/s
95th percentile per-packet one-way delay: 137.102 ms
Loss rate: 0.00%
Run 1: Report of Indigo-MusesT — Data Link

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

- Flow 1 ingress (mean 494.77 Mbit/s)
- Flow 1 egress (mean 494.77 Mbit/s)

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

- Flow 1 (95th percentile 137.10 ms)
Run 2: Statistics of Indigo-MusesT

Start at: 2020-02-18 10:54:19
End at: 2020-02-18 10:54:49
Local clock offset: 0.262 ms
Remote clock offset: -0.107 ms

# Below is generated by plot.py at 2020-02-18 14:18:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 466.77 Mbit/s
95th percentile per-packet one-way delay: 139.893 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 466.77 Mbit/s
95th percentile per-packet one-way delay: 139.893 ms
Loss rate: 0.03%
Run 2: Report of Indigo-MusesT — Data Link

![Throughput Graph]

Flow 1 ingress (mean 466.90 Mbit/s)  
Flow 1 egress (mean 466.77 Mbit/s)

![Delay Graph]

Flow 1 (95th percentile 139.09 ms)
Run 3: Statistics of Indigo-MusesT

Start at: 2020-02-18 11:29:47
End at: 2020-02-18 11:30:17
Local clock offset: -0.103 ms
Remote clock offset: -0.108 ms

# Below is generated by plot.py at 2020-02-18 14:20:19
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 496.21 Mbit/s
  95th percentile per-packet one-way delay: 135.096 ms
  Loss rate: 0.00%
-- Flow 1:
  Average throughput: 496.21 Mbit/s
  95th percentile per-packet one-way delay: 135.096 ms
  Loss rate: 0.00%
Run 3: Report of Indigo-MusesT — Data Link
Run 4: Statistics of Indigo-MusesT

Start at: 2020-02-18 12:05:26
End at: 2020-02-18 12:05:56
Local clock offset: -0.06 ms
Remote clock offset: 0.066 ms

# Below is generated by plot.py at 2020-02-18 14:21:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 478.08 Mbit/s
95th percentile per-packet one-way delay: 148.166 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 478.08 Mbit/s
95th percentile per-packet one-way delay: 148.166 ms
Loss rate: 0.00%
Run 4: Report of Indigo-MusesT — Data Link

The first graph shows the throughput (Mbps) over time (s), with two curves indicating the ingress and egress traffic (mean 478.07 Mbps and 478.08 Mbps, respectively).

The second graph illustrates the packet delay (ms) over time (s), highlighting the 95th percentile delay (148.17 ms) for Flow 1.
Run 5: Statistics of Indigo-MusesT

Start at: 2020-02-18 12:41:01
End at: 2020-02-18 12:41:31
Local clock offset: -0.035 ms
Remote clock offset: 0.161 ms

# Below is generated by plot.py at 2020-02-18 14:21:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 478.04 Mbit/s
95th percentile per-packet one-way delay: 135.729 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 478.04 Mbit/s
95th percentile per-packet one-way delay: 135.729 ms
Loss rate: 0.00%
Run 1: Statistics of LEDBAT

Start at: 2020-02-18 10:14:17
End at: 2020-02-18 10:14:47
Local clock offset: -0.192 ms
Remote clock offset: -0.032 ms

# Below is generated by plot.py at 2020-02-18 14:21:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.83 Mbit/s
95th percentile per-packet one-way delay: 136.316 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.83 Mbit/s
95th percentile per-packet one-way delay: 136.316 ms
Loss rate: 0.00%
Run 1: Report of LEDBAT — Data Link

![Graph showing throughput and packet delay over time]

- **Throughput**: The graph illustrates the throughput in Mbps over time, with two distinct lines indicating flow ingress and egress at a mean rate of 4.83 Mbps.
- **Packet Delay**: The lower graph shows the packet delay, with a 95th percentile delay of 136.32 ms.

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Run 2: Statistics of LEDBAT

Start at: 2020-02-18 10:50:13
End at: 2020-02-18 10:50:43
Local clock offset: -0.072 ms
Remote clock offset: -0.097 ms

# Below is generated by plot.py at 2020-02-18 14:21:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.25 Mbit/s
95th percentile per-packet one-way delay: 133.740 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.25 Mbit/s
95th percentile per-packet one-way delay: 133.740 ms
Loss rate: 0.00%
Run 2: Report of LEDBAT — Data Link
Run 3: Statistics of LEDBAT

Start at: 2020-02-18 11:25:40
End at: 2020-02-18 11:26:10
Local clock offset: -0.093 ms
Remote clock offset: -0.136 ms

# Below is generated by plot.py at 2020-02-18 14:21:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.06 Mbit/s
95th percentile per-packet one-way delay: 135.348 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.06 Mbit/s
95th percentile per-packet one-way delay: 135.348 ms
Loss rate: 0.00%
Run 3: Report of LEDBAT — Data Link

![Graph showing throughput over time for Flow 1 ingress and egress with a mean of 5.06 Mbit/s.]

![Graph showing packet queuing delay over time for Flow 1 with a 95th percentile of 135.35 ms.]
Run 4: Statistics of LEDBAT

Start at: 2020-02-18 12:01:21
End at: 2020-02-18 12:01:51
Local clock offset: 0.256 ms
Remote clock offset: 0.013 ms

# Below is generated by plot.py at 2020-02-18 14:21:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.72 Mbit/s
95th percentile per-packet one-way delay: 134.464 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.72 Mbit/s
95th percentile per-packet one-way delay: 134.464 ms
Loss rate: 0.00%
Run 4: Report of LEDBAT — Data Link
Run 5: Statistics of LEDBAT

Start at: 2020-02-18 12:36:57
End at: 2020-02-18 12:37:27
Local clock offset: -0.092 ms
Remote clock offset: 0.139 ms

# Below is generated by plot.py at 2020-02-18 14:21:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.18 Mbit/s
95th percentile per-packet one-way delay: 134.660 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.18 Mbit/s
95th percentile per-packet one-way delay: 134.660 ms
Loss rate: 0.00%
Run 5: Report of LEDBAT — Data Link

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

- **Throughput (Mbps):**
  - **Flow 1 ingress:** Mean 5.18 Mbps
  - **Flow 1 egress:** Mean 5.18 Mbps

- **Packet Delay (ms):**
  - Flow 1 (99th percentile 134.66 ms)
Run 1: Statistics of Muses\_DecisionTree

Start at: 2020-02-18 10:13:07
End at: 2020-02-18 10:13:37
Local clock offset: -0.063 ms
Remote clock offset: -0.033 ms

# Below is generated by plot.py at 2020-02-18 14:21:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 132.738 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 132.738 ms
Loss rate: 0.00%
Run 1: Report of Muses

DecisionTree — Data Link

Throughput (Mbps)

Time (s)

Flow 1 ingress (mean 0.10 Mbit/s)  Flow 1 egress (mean 0.10 Mbit/s)

Per-packet one-way delay (ms)

Time (s)

Flow 1 (95th percentile 132.74 ms)

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Run 2: Statistics of Muses\_DecisionTree

Start at: 2020-02-18 10:48:34
End at: 2020-02-18 10:49:04
Local clock offset: -0.101 ms
Remote clock offset: -0.146 ms

# Below is generated by plot.py at 2020-02-18 14:24:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 476.43 Mbit/s
95th percentile per-packet one-way delay: 135.023 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 476.43 Mbit/s
95th percentile per-packet one-way delay: 135.023 ms
Loss rate: 0.01%
Run 2: Report of Muses: Decision Tree — Data Link

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

- **Flow 1 ingress (mean 476.48 Mbps)**
- **Flow 1 egress (mean 476.43 Mbps)**

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

- **Flow 1 (95th percentile 135.02 ms)**
Run 3: Statistics of Muses\_DecisionTree

Start at: 2020-02-18 11:24:29
End at: 2020-02-18 11:24:59
Local clock offset: -0.108 ms
Remote clock offset: -0.495 ms

# Below is generated by plot.py at 2020-02-18 14:24:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 135.124 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 135.124 ms
Loss rate: 0.00%
Run 3: Report of Muses, DecisionTree — Data Link

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

- Flow 1 ingress (mean 0.10 Mbit/s)
- Flow 1 egress (mean 0.10 Mbit/s)

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

- Flow 1 (99th percentile 135.12 ms)
Run 4: Statistics of Muses\_DecisionTree

Start at: 2020-02-18 11:59:43
End at: 2020-02-18 12:00:13
Local clock offset: -0.115 ms
Remote clock offset: 0.01 ms

# Below is generated by plot.py at 2020-02-18 14:24:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 470.63 Mbit/s
95th percentile per-packet one-way delay: 135.384 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 470.63 Mbit/s
95th percentile per-packet one-way delay: 135.384 ms
Loss rate: 0.00%
Run 4: Report of Muses_DecisionTree — Data Link

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

- Flow 1 ingress (mean 470.62 Mbit/s)
- Flow 1 egress (mean 470.63 Mbit/s)

![Graph showing packet delay distribution for Flow 1.](image-url)

- Flow 1 (95th percentile 135.38 ms)
Run 5: Statistics of Muses\_DecisionTree

Start at: 2020-02-18 12:35:17
End at: 2020-02-18 12:35:47
Local clock offset: -0.062 ms
Remote clock offset: 0.136 ms

# Below is generated by plot.py at 2020-02-18 14:25:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 493.02 Mbit/s
95th percentile per-packet one-way delay: 136.123 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 493.02 Mbit/s
95th percentile per-packet one-way delay: 136.123 ms
Loss rate: 0.00%
Run 5: Report of Muses_Document — Data Link

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

- **Flow 1 ingress (mean 493.00 Mbps)**
- **Flow 1 egress (mean 493.02 Mbps)**

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

- **Flow 1 (95th percentile 136.12 ms)**
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2020-02-18 10:29:37
End at: 2020-02-18 10:30:07
Local clock offset: -0.082 ms
Remote clock offset: -0.022 ms

# Below is generated by plot.py at 2020-02-18 14:29:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 449.02 Mbit/s
95th percentile per-packet one-way delay: 138.703 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 449.02 Mbit/s
95th percentile per-packet one-way delay: 138.703 ms
Loss rate: 0.00%
Run 1: Report of Muses.DecisionTreeH0 — Data Link

---

**Throughput Report**

![Graph showing throughput over time](image)

- **Flow 1 ingress (mean 449.01 Mbit/s)**
- **Flow 1 egress (mean 449.02 Mbit/s)**

**Packet Delay Report**

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

- **Flow 1 (95th percentile 138.70 ms)**
Run 2: Statistics of Muses\_DecisionTreeH0

Start at: 2020-02-18 11:05:54
End at: 2020-02-18 11:06:24
Local clock offset: -0.111 ms
Remote clock offset: -0.158 ms

# Below is generated by plot.py at 2020-02-18 14:29:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 257.42 Mbit/s
95th percentile per-packet one-way delay: 226.491 ms
Loss rate: 2.57%
-- Flow 1:
Average throughput: 257.42 Mbit/s
95th percentile per-packet one-way delay: 226.491 ms
Loss rate: 2.57%
Run 2: Report of Muses_DecisionTreeH0 — Data Link

![Graphs showing throughput and delay metrics for Flow 1 ingress and egress.]
Run 3: Statistics of Muses\_DecisionTreeH0

Start at: 2020-02-18 11:41:03  
End at: 2020-02-18 11:41:33  
Local clock offset: -0.097 ms  
Remote clock offset: -0.121 ms

# Below is generated by plot.py at 2020-02-18 14:32:34  
# Datalink statistics
-- Total of 1 flow:
Average throughput: 488.21 Mbit/s
95th percentile per-packet one-way delay: 185.866 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 488.21 Mbit/s
95th percentile per-packet one-way delay: 185.866 ms
Loss rate: 0.01%
Run 3: Report of Muses_DecisionTreeH0 — Data Link
Run 4: Statistics of Muses\_DecisionTreeHO

Start at: 2020-02-18 12:16:51
End at: 2020-02-18 12:17:21
Local clock offset: -0.141 ms
Remote clock offset: 0.099 ms

# Below is generated by plot.py at 2020-02-18 14:32:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 134.415 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 134.415 ms
Loss rate: 0.00%
Run 4: Report of Muses_DecisionTreeH0 — Data Link
Run 5: Statistics of Muses\_DecisionTreeH0

Start at: 2020-02-18 12:52:23
End at: 2020-02-18 12:52:53
Local clock offset: -0.045 ms
Remote clock offset: 0.152 ms

# Below is generated by plot.py at 2020-02-18 14:32:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 132.336 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 132.336 ms
Loss rate: 0.00%
Run 5: Report of Muses DecisionTreeH0 — Data Link
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2020-02-18 09:59:08
End at: 2020-02-18 09:59:38
Local clock offset: -0.079 ms
Remote clock offset: 0.006 ms

# Below is generated by plot.py at 2020-02-18 14:32:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 135.344 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 135.344 ms
Loss rate: 0.00%
Run 1: Report of Muses_DecisionTreeR0 — Data Link
Run 2: Statistics of Muses\_DecisionTreeRO

Start at: 2020-02-18 10:34:18
End at: 2020-02-18 10:34:48
Local clock offset: -0.089 ms
Remote clock offset: -0.032 ms

# Below is generated by plot.py at 2020-02-18 14:33:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 486.31 Mbit/s
95th percentile per-packet one-way delay: 133.980 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 486.31 Mbit/s
95th percentile per-packet one-way delay: 133.980 ms
Loss rate: 0.00%
Run 2: Report of Muses_DecisionTreeR0 — Data Link

![Graph 1: Throughput](image1)

- Flow 1 ingress (mean 486.29 Mbit/s)
- Flow 1 egress (mean 486.31 Mbit/s)

![Graph 2: Packet Delay](image2)

- Flow 1 (95th percentile 133.98 ms)
Run 3: Statistics of Muses\_DecisionTreeR0

Start at: 2020-02-18 11:10:20
End at: 2020-02-18 11:10:51
Local clock offset: 0.272 ms
Remote clock offset: -0.139 ms

# Below is generated by plot.py at 2020-02-18 14:33:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 469.33 Mbit/s
95th percentile per-packet one-way delay: 137.602 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 469.33 Mbit/s
95th percentile per-packet one-way delay: 137.602 ms
Loss rate: 0.00%
Run 3: Report of Muses_DecisionTreeR0 — Data Link

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

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

Start at: 2020-02-18 11:45:43
End at: 2020-02-18 11:46:13
Local clock offset: -0.12 ms
Remote clock offset: -0.107 ms

# Below is generated by plot.py at 2020-02-18 14:33:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 360.74 Mbit/s
95th percentile per-packet one-way delay: 133.979 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 360.74 Mbit/s
95th percentile per-packet one-way delay: 133.979 ms
Loss rate: 0.00%
Run 4: Report of Muses_DecisionTreeR0 — Data Link

![Graph showing throughput (Mbps) over time for Flow 1 ingress and egress with mean values.]
Run 5: Statistics of Muses\_DecisionTreeR0

Start at: 2020-02-18 12:21:03
End at: 2020-02-18 12:21:33
Local clock offset: 0.293 ms
Remote clock offset: 0.082 ms

# Below is generated by plot.py at 2020-02-18 14:35:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 465.99 Mbit/s
95th percentile per-packet one-way delay: 134.184 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 465.99 Mbit/s
95th percentile per-packet one-way delay: 134.184 ms
Loss rate: 0.00%
Run 5: Report of Muses DecisionTreeR0 — Data Link

![Graph showing throughput and packet delay over time for Flow 1 ingress and egress with mean rates and 95th percentile delay.]
Run 1: Statistics of PCC-Allegro

Start at: 2020-02-18 10:09:45
End at: 2020-02-18 10:10:15
Local clock offset: -0.062 ms
Remote clock offset: -0.016 ms

# Below is generated by plot.py at 2020-02-18 14:44:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 413.02 Mbit/s
95th percentile per-packet one-way delay: 251.713 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 413.02 Mbit/s
95th percentile per-packet one-way delay: 251.713 ms
Loss rate: 1.80%
Run 1: Report of PCC-Allegro — Data Link
Run 2: Statistics of PCC-Allegro

Start at: 2020-02-18 10:45:03
End at: 2020-02-18 10:45:33
Local clock offset: ~0.092 ms
Remote clock offset: ~0.107 ms

# Below is generated by plot.py at 2020-02-18 14:47:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 441.53 Mbit/s
95th percentile per-packet one-way delay: 262.081 ms
Loss rate: 3.39%
-- Flow 1:
Average throughput: 441.53 Mbit/s
95th percentile per-packet one-way delay: 262.081 ms
Loss rate: 3.39%
Run 2: Report of PCC-Allegro — Data Link

![Graph 1: Throughput (Mbps)]

- Flow 1 ingress (mean 457.02 Mbit/s)
- Flow 1 egress (mean 441.53 Mbit/s)

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

- Flow 1 (95th percentile 262.08 ms)
Run 3: Statistics of PCC-Allegro

Start at: 2020-02-18 11:21:07
End at: 2020-02-18 11:21:37
Local clock offset: -0.062 ms
Remote clock offset: -0.121 ms

# Below is generated by plot.py at 2020-02-18 14:47:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 312.32 Mbit/s
95th percentile per-packet one-way delay: 171.988 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 312.32 Mbit/s
95th percentile per-packet one-way delay: 171.988 ms
Loss rate: 0.00%
Run 3: Report of PCC-Allegro — Data Link

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

- **Flow 1 ingress (mean 312.33 Mbps)**
- **Flow 1 egress (mean 312.32 Mbps)**

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

- **Flow 1 (95th percentile 171.99 ms)**
Run 4: Statistics of PCC-Allegro

Start at: 2020-02-18 11:56:15
End at: 2020-02-18 11:56:46
Local clock offset: -0.104 ms
Remote clock offset: 0.008 ms

# Below is generated by plot.py at 2020-02-18 14:50:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 372.30 Mbit/s
95th percentile per-packet one-way delay: 263.394 ms
Loss rate: 5.88%
-- Flow 1:
Average throughput: 372.30 Mbit/s
95th percentile per-packet one-way delay: 263.394 ms
Loss rate: 5.88%
Run 4: Report of PCC-Allegro — Data Link

Throughput (Mbps) vs Time (s)

- Flow 1 ingress (mean 395.57 Mbps)
- Flow 1 egress (mean 372.30 Mbps)

Packet Delay (ms) vs Time (s)

- Flow 1 (95th percentile 263.39 ms)
Run 5: Statistics of PCC-Allegro

Start at: 2020-02-18 12:31:58
End at: 2020-02-18 12:32:28
Local clock offset: -0.096 ms
Remote clock offset: -0.246 ms

# Below is generated by plot.py at 2020-02-18 14:50:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 365.38 Mbit/s
95th percentile per-packet one-way delay: 248.872 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 365.38 Mbit/s
95th percentile per-packet one-way delay: 248.872 ms
Loss rate: 1.36%
Run 5: Report of PCC-Allegro — Data Link

![Graph showing throughput over time with two lines indicating flow ingress and egress speeds with a legend indicating mean values.]

![Graph showing round trip time over time with a line indicating 95th percentile value.]

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Run 1: Statistics of PCC-Expr

Start at: 2020-02-18 10:08:09
End at: 2020-02-18 10:08:39
Local clock offset: 0.137 ms
Remote clock offset: -0.005 ms

# Below is generated by plot.py at 2020-02-18 14:50:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 235.16 Mbit/s
95th percentile per-packet one-way delay: 157.495 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 235.16 Mbit/s
95th percentile per-packet one-way delay: 157.495 ms
Loss rate: 0.00%
Run 1: Report of PCC-Expr — Data Link
Run 2: Statistics of PCC-Expr

Start at: 2020-02-18 10:43:25
End at: 2020-02-18 10:43:56
Local clock offset: 0.239 ms
Remote clock offset: -0.084 ms

# Below is generated by plot.py at 2020-02-18 14:50:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 250.36 Mbit/s
95th percentile per-packet one-way delay: 207.928 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 250.36 Mbit/s
95th percentile per-packet one-way delay: 207.928 ms
Loss rate: 0.68%
Run 2: Report of PCC-Expr — Data Link
Run 3: Statistics of PCC-Expr

Start at: 2020-02-18 11:19:31
End at: 2020-02-18 11:20:01
Local clock offset: -0.084 ms
Remote clock offset: -0.091 ms

# Below is generated by plot.py at 2020-02-18 14:50:32
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 234.84 Mbit/s
  95th percentile per-packet one-way delay: 227.416 ms
  Loss rate: 0.41%
-- Flow 1:
  Average throughput: 234.84 Mbit/s
  95th percentile per-packet one-way delay: 227.416 ms
  Loss rate: 0.41%
Run 3: Report of PCC-Expr — Data Link

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

- Flow 1 ingress (mean 235.80 Mbit/s)
- Flow 1 egress (mean 234.84 Mbit/s)

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

- Flow 1 (95th percentile 227.42 ms)
Run 4: Statistics of PCC-Expr

Start at: 2020-02-18 11:54:39
End at: 2020-02-18 11:55:09
Local clock offset: 0.233 ms
Remote clock offset: 0.053 ms

# Below is generated by plot.py at 2020-02-18 14:54:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 232.32 Mbit/s
95th percentile per-packet one-way delay: 178.102 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 232.32 Mbit/s
95th percentile per-packet one-way delay: 178.102 ms
Loss rate: 0.29%
Run 4: Report of PCC-Expr — Data Link

Throughput (kbps)

Time (s)

Flow 1 ingress (mean 232.98 Mbit/s) — Flow 1 egress (mean 232.32 Mbit/s)

Per packet one way delay (ms)

Time (s)

Flow 1 (95th percentile 178.10 ms)
Run 5: Statistics of PCC-Expr

Start at: 2020-02-18 12:30:25
End at: 2020-02-18 12:30:55
Local clock offset: 0.304 ms
Remote clock offset: 0.097 ms

# Below is generated by plot.py at 2020-02-18 14:54:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 199.52 Mbit/s
95th percentile per-packet one-way delay: 135.431 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 199.52 Mbit/s
95th percentile per-packet one-way delay: 135.431 ms
Loss rate: 0.00%
Run 5: Report of PCC-Expr — Data Link

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

- **Flow 1 ingress (mean 199.52 Mbit/s)**
- **Flow 1 egress (mean 199.52 Mbit/s)**

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

- **Flow 1 (95th percentile 135.43 ms)**
Run 1: Statistics of QUIC Cubic

Start at: 2020-02-18 10:20:02
End at: 2020-02-18 10:20:32
Local clock offset: 0.255 ms
Remote clock offset: -0.02 ms
Run 1: Report of QUIC Cubic — Data Link

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

- Flow 1 ingress (mean 0.01 Mbit/s)
- Flow 1 egress (mean 0.01 Mbit/s)

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

- Flow 1 (95th percentile 132.90 ms)
Run 2: Statistics of QUIC Cubic

Start at: 2020-02-18 10:55:56
End at: 2020-02-18 10:56:26
Local clock offset: -0.055 ms
Remote clock offset: -0.155 ms

# Below is generated by plot.py at 2020-02-18 14:54:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.60 Mbit/s
95th percentile per-packet one-way delay: 135.208 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 44.60 Mbit/s
95th percentile per-packet one-way delay: 135.208 ms
Loss rate: 0.01%
Run 2: Report of QUIC Cubic — Data Link

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

Flow 1 ingress (mean 44.60 Mbit/s)  
Flow 1 egress (mean 44.60 Mbit/s)
Run 3: Statistics of QUIC Cubic

Start at: 2020-02-18 11:31:25
End at: 2020-02-18 11:31:55
Local clock offset: -0.146 ms
Remote clock offset: -0.093 ms

# Below is generated by plot.py at 2020-02-18 14:54:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.93 Mbit/s
95th percentile per-packet one-way delay: 134.643 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 48.93 Mbit/s
95th percentile per-packet one-way delay: 134.643 ms
Loss rate: 0.00%
Run 3: Report of QUIC Cubic — Data Link

![Graph showing throughput over time](image1)

![Graph showing packet delay over time](image2)
Run 4: Statistics of QUIC Cubic

Start at: 2020-02-18 12:07:04
End at: 2020-02-18 12:07:34
Local clock offset: -0.098 ms
Remote clock offset: 0.049 ms

# Below is generated by plot.py at 2020-02-18 14:54:52
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 55.73 Mbit/s
  95th percentile per-packet one-way delay: 134.588 ms
  Loss rate: 0.00%
-- Flow 1:
  Average throughput: 55.73 Mbit/s
  95th percentile per-packet one-way delay: 134.588 ms
  Loss rate: 0.00%
Run 4: Report of QUIC Cubic — Data Link

![Graph showing throughput and per-packet one-way delay over time for Flow 1 with ingress and egress rates of 55.73 Mbps, and a 95th percentile delay of 134.59 ms.]

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Run 5: Statistics of QUIC Cubic

Start at: 2020-02-18 12:42:37
End at: 2020-02-18 12:43:07
Local clock offset: -0.045 ms
Remote clock offset: 0.146 ms

# Below is generated by plot.py at 2020-02-18 14:54:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.54 Mbit/s
95th percentile per-packet one-way delay: 133.742 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.54 Mbit/s
95th percentile per-packet one-way delay: 133.742 ms
Loss rate: 0.00%
Run 1: Statistics of SCReAM

Start at: 2020-02-18 10:15:29
End at: 2020-02-18 10:15:59
Local clock offset: 0.181 ms
Remote clock offset: -0.05 ms

# Below is generated by plot.py at 2020-02-18 14:54:52
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 0.15 Mbit/s
  95th percentile per-packet one-way delay: 132.015 ms
  Loss rate: 0.00%
-- Flow 1:
  Average throughput: 0.15 Mbit/s
  95th percentile per-packet one-way delay: 132.015 ms
  Loss rate: 0.00%
Run 1: Report of SCReAM — Data Link

![Graph showing throughput and packet delay over time for Flow 1 with ingress and egress mean 0.15 Mbit/s.]

- **Throughput (Mbit/s)**:
  - Y-axis ranges from 0.00 to 0.30
  - X-axis represents time in seconds (0 to 30)

- **Packet Delay (ms)**:
  - Y-axis ranges from 132.0 to 133.0
  - X-axis represents time in seconds (0 to 30)

Legend:
- Flow 1 ingress (mean 0.15 Mbit/s)
- Flow 1 egress (mean 0.15 Mbit/s)
- Flow 1 (95th percentile 132.01 ms)
Run 2: Statistics of SCReAM

Start at: 2020-02-18 10:51:25
End at: 2020-02-18 10:51:55
Local clock offset: ~0.108 ms
Remote clock offset: ~0.118 ms

# Below is generated by plot.py at 2020-02-18 14:54:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 133.206 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 133.206 ms
Loss rate: 0.00%
Run 2: Report of SCReAM — Data Link

![Graph showing throughput and delay over time for Flow 1 ingress and egress with mean 0.15 Mbit/s.]

![Graph showing per-packet one-way delay over time for Flow 1 with 95th percentile at 133.21 ms.]

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Run 3: Statistics of SCReAM

Start at: 2020-02-18 11:26:52
End at: 2020-02-18 11:27:22
Local clock offset: -0.11 ms
Remote clock offset: -0.141 ms

# Below is generated by plot.py at 2020-02-18 14:54:52
# Datalink statistics
-- Total of 1 flow:
    Average throughput: 0.21 Mbit/s
    95th percentile per-packet one-way delay: 133.894 ms
    Loss rate: 0.00%
-- Flow 1:
    Average throughput: 0.21 Mbit/s
    95th percentile per-packet one-way delay: 133.894 ms
    Loss rate: 0.00%
Run 3: Report of SCReAM — Data Link

![Graph showing throughput and packet one-way delay over time](image)
Run 4: Statistics of SCReAM

Start at: 2020-02-18 12:02:33
End at: 2020-02-18 12:03:03
Local clock offset: -0.083 ms
Remote clock offset: 0.028 ms

# Below is generated by plot.py at 2020-02-18 14:54:52
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 0.21 Mbit/s
  95th percentile per-packet one-way delay: 134.701 ms
  Loss rate: 0.00%
-- Flow 1:
  Average throughput: 0.21 Mbit/s
  95th percentile per-packet one-way delay: 134.701 ms
  Loss rate: 0.00%
Run 4: Report of SCReAM — Data Link

Throughput (Mbps)

0.00 0.05 0.10 0.15 0.20 0.25 0.30

Time (s) 0 5 10 15 20 25 30

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

Packet Transmission Delay (ms)

134.6 135.0 135.4 135.8 136.0

Time (s) 0 5 10 15 20 25 30

Flow 1 (95th percentile 134.70 ms)
Run 5: Statistics of SCReAM

Start at: 2020-02-18 12:38:10
End at: 2020-02-18 12:38:40
Local clock offset: -0.04 ms
Remote clock offset: 0.124 ms

# Below is generated by plot.py at 2020-02-18 14:54:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 134.248 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 134.248 ms
Loss rate: 0.00%
Run 5: Report of SCReAM — Data Link

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

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

![Graph of Per Packet End-to-End Delay (ms) vs Time (s)]

- Flow 1 (95th percentile 134.25 ms)
Run 1: Statistics of Sprout

Start at: 2020-02-18 10:28:26
End at: 2020-02-18 10:28:56
Local clock offset: -0.097 ms
Remote clock offset: -0.037 ms

# Below is generated by plot.py at 2020-02-18 14:54:52
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 0.42 Mbit/s
  95th percentile per-packet one-way delay: 134.761 ms
  Loss rate: 0.00%
-- Flow 1:
  Average throughput: 0.42 Mbit/s
  95th percentile per-packet one-way delay: 134.761 ms
  Loss rate: 0.00%
Run 1: Report of Sprout — Data Link
Run 2: Statistics of Sprout

Start at: 2020-02-18 11:04:43
End at: 2020-02-18 11:05:13
Local clock offset: -0.044 ms
Remote clock offset: -0.156 ms

# Below is generated by plot.py at 2020-02-18 14:54:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 134.826 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 134.826 ms
Loss rate: 0.00%
Run 2: Report of Sprout — Data Link

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

- Flow 1 ingress (mean 0.55 Mbit/s)
- Flow 1 egress (mean 0.55 Mbit/s)

![Graph 2: Packet Delay (ms)](image)

- Flow 1 (95th percentile 134.83 ms)
Run 3: Statistics of Sprout

Start at: 2020-02-18 11:39:52
End at: 2020-02-18 11:40:22
Local clock offset: -0.109 ms
Remote clock offset: -0.08 ms

# Below is generated by plot.py at 2020-02-18 14:54:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.77 Mbit/s
95th percentile per-packet one-way delay: 133.255 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.77 Mbit/s
95th percentile per-packet one-way delay: 133.255 ms
Loss rate: 0.00%
Run 3: Report of Sprout — Data Link

![Graph showing throughput over time for Flow 1 ingress and egress with mean 0.77 Mbit/s.]

![Graph showing packet inter-packet delay for Flow 1 with 90th percentile of 133.25 ms.]
Run 4: Statistics of Sprout

Start at: 2020-02-18 12:15:40
End at: 2020-02-18 12:16:10
Local clock offset: -0.078 ms
Remote clock offset: 0.112 ms

# Below is generated by plot.py at 2020-02-18 14:54:52
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 0.46 Mbit/s
  95th percentile per-packet one-way delay: 134.051 ms
  Loss rate: 0.00%
-- Flow 1:
  Average throughput: 0.46 Mbit/s
  95th percentile per-packet one-way delay: 134.051 ms
  Loss rate: 0.00%
Run 4: Report of Sprout — Data Link

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

- Flow 1 ingress (mean 0.46 Mbit/s)
- Flow 1 egress (mean 0.46 Mbit/s)

- Flow 1 (95th percentile 134.05 ms)
Run 5: Statistics of Sprout

Start at: 2020-02-18 12:51:12
End at: 2020-02-18 12:51:42
Local clock offset: -0.082 ms
Remote clock offset: 0.2 ms

# Below is generated by plot.py at 2020-02-18 14:54:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 134.329 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 134.329 ms
Loss rate: 0.00%
Run 5: Report of Sprout — Data Link
Run 1: Statistics of TaoVA-100x

Start at: 2020-02-18 10:27:12
End at: 2020-02-18 10:27:42
Local clock offset: -0.069 ms
Remote clock offset: -0.032 ms

# Below is generated by plot.py at 2020-02-18 14:54:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.09 Mbit/s
95th percentile per-packet one-way delay: 132.154 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.09 Mbit/s
95th percentile per-packet one-way delay: 132.154 ms
Loss rate: 0.00%
Run 1: Report of TaoVA-100x — Data Link
Run 2: Statistics of TaoVA-100x

Start at: 2020-02-18 11:03:10
End at: 2020-02-18 11:03:40
Local clock offset: 0.29 ms
Remote clock offset: -0.127 ms

# Below is generated by plot.py at 2020-02-18 14:56:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 195.28 Mbit/s
95th percentile per-packet one-way delay: 132.388 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 195.28 Mbit/s
95th percentile per-packet one-way delay: 132.388 ms
Loss rate: 0.03%
Run 2: Report of TaoVA-100x — Data Link

- Flow 1 ingress (mean 195.39 Mbit/s)
- Flow 1 egress (mean 195.28 Mbit/s)

- Flow 1 (95th percentile 132.39 ms)
Run 3: Statistics of TaoVA-100x

Start at: 2020-02-18 11:38:39
End at: 2020-02-18 11:39:09
Local clock offset: -0.081 ms
Remote clock offset: -0.088 ms

# Below is generated by plot.py at 2020-02-18 14:56:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.03 Mbit/s
95th percentile per-packet one-way delay: 135.230 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.03 Mbit/s
95th percentile per-packet one-way delay: 135.230 ms
Loss rate: 0.00%
Run 3: Report of TaoVA-100x — Data Link
Run 4: Statistics of TaoVA-100x

Start at: 2020-02-18 12:14:09
End at: 2020-02-18 12:14:39
Local clock offset: -0.088 ms
Remote clock offset: 0.078 ms

# Below is generated by plot.py at 2020-02-18 14:56:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 181.14 Mbit/s
95th percentile per-packet one-way delay: 134.646 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 181.14 Mbit/s
95th percentile per-packet one-way delay: 134.646 ms
Loss rate: 0.00%
Run 4: Report of TaoVA-100x — Data Link

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

**Throughput (Mbps)**
- Flow 1 ingress (mean 181.13 Mbit/s)
- Flow 1 egress (mean 181.14 Mbit/s)

**Per packet one-way delay (ms)**
- Flow 1 (95th percentile 134.65 ms)
Run 5: Statistics of TaoVA-100x

Start at: 2020-02-18 12:49:40
End at: 2020-02-18 12:50:10
Local clock offset: -0.077 ms
Remote clock offset: 0.218 ms

# Below is generated by plot.py at 2020-02-18 14:57:02
# Datalink statistics
-- Total of 1 flow:
   Average throughput: 195.37 Mbit/s
   95th percentile per-packet one-way delay: 134.771 ms
   Loss rate: 0.00%
-- Flow 1:
   Average throughput: 195.37 Mbit/s
   95th percentile per-packet one-way delay: 134.771 ms
   Loss rate: 0.00%
Run 5: Report of TaoVA-100x — Data Link

![Graph showing throughput and delay](image)

Throughput (Mbps)

- Flow 1 ingress (mean 195.37 Mbps)
- Flow 1 egress (mean 195.37 Mbps)

Delay (ms)

- Flow 1 (95th percentile 134.77 ms)
Run 1: Statistics of TCP Vegas

Start at: 2020-02-18 09:57:50
End at: 2020-02-18 09:58:20
Local clock offset: -0.004 ms
Remote clock offset: 0.023 ms

# Below is generated by plot.py at 2020-02-18 14:57:02
# Datalink statistics
-- Total of 1 flow:
  Average throughput: 114.92 Mbit/s
  95th percentile per-packet one-way delay: 135.039 ms
  Loss rate: 0.00%
-- Flow 1:
  Average throughput: 114.92 Mbit/s
  95th percentile per-packet one-way delay: 135.039 ms
  Loss rate: 0.00%
Run 1: Report of TCP Vegas — Data Link

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

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

- Flow 1 ingress (mean 114.92 Mbit/s)
- Flow 1 egress (mean 114.92 Mbit/s)

- Flow 1 (95th percentile 135.04 ms)
Run 2: Statistics of TCP Vegas

Start at: 2020-02-18 10:32:51
End at: 2020-02-18 10:33:21
Local clock offset: -0.12 ms
Remote clock offset: -0.007 ms

# Below is generated by plot.py at 2020-02-18 14:57:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 278.36 Mbit/s
95th percentile per-packet one-way delay: 132.737 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 278.36 Mbit/s
95th percentile per-packet one-way delay: 132.737 ms
Loss rate: 0.00%
Run 2: Report of TCP Vegas — Data Link

![Graphs showing throughput and one-way delay vs time.]

- **Flow 1 ingress** (mean 278.35 Mbit/s)
- **Flow 1 egress** (mean 278.36 Mbit/s)

- **Flow 1** (95th percentile 132.74 ms)
Run 3: Statistics of TCP Vegas

Start at: 2020-02-18 11:08:58
End at: 2020-02-18 11:09:28
Local clock offset: -0.078 ms
Remote clock offset: -0.168 ms

# Below is generated by plot.py at 2020-02-18 14:57:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 184.92 Mbit/s
95th percentile per-packet one-way delay: 134.347 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 184.92 Mbit/s
95th percentile per-packet one-way delay: 134.347 ms
Loss rate: 0.00%
Run 3: Report of TCP Vegas — Data Link

Graph 1: Throughput over time (Mbps)

- Flow 1 ingress (mean 184.91 Mbit/s)
- Flow 1 egress (mean 184.92 Mbit/s)

Graph 2: Round-trip time (ms)

- Flow 1 (95th percentile 134.35 ms)
Run 4: Statistics of TCP Vegas

Start at: 2020-02-18 11:44:19
End at: 2020-02-18 11:44:49
Local clock offset: -0.134 ms
Remote clock offset: -0.143 ms

# Below is generated by plot.py at 2020-02-18 14:57:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 200.95 Mbit/s
95th percentile per-packet one-way delay: 135.479 ms
Loss rate: 0.00%

-- Flow 1:
Average throughput: 200.95 Mbit/s
95th percentile per-packet one-way delay: 135.479 ms
Loss rate: 0.00%
Run 4: Report of TCP Vegas — Data Link

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

- **Throughput**: The throughput is shown in Mbps, with two lines representing different flows, one for ingress and one for egress.
- **Delay**: The delay is shown in ms, with a specific flow highlighted.

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Run 5: Statistics of TCP Vegas

Start at: 2020-02-18 12:19:40
End at: 2020-02-18 12:20:10
Local clock offset: 0.249 ms
Remote clock offset: 0.096 ms

# Below is generated by plot.py at 2020-02-18 14:58:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 195.96 Mbit/s
95th percentile per-packet one-way delay: 134.122 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 195.96 Mbit/s
95th percentile per-packet one-way delay: 134.122 ms
Loss rate: 0.00%
Run 5: Report of TCP Vegas — Data Link

![Graph 1: Throughput vs Time]

- Flow 1 ingress (mean 195.95 Mbit/s)
- Flow 1 egress (mean 195.96 Mbit/s)

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

- Flow 1 (95th percentile 134.12 ms)
Run 1: Statistics of Verus

Start at: 2020-02-18 10:01:53
End at: 2020-02-18 10:02:23
Local clock offset: -0.013 ms
Remote clock offset: -0.359 ms

# Below is generated by plot.py at 2020-02-18 15:03:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 185.10 Mbit/s
95th percentile per-packet one-way delay: 203.284 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 185.10 Mbit/s
95th percentile per-packet one-way delay: 203.284 ms
Loss rate: 0.37%
Run 1: Report of Verus — Data Link
Run 2: Statistics of Verus

Start at: 2020-02-18 10:37:32
End at: 2020-02-18 10:38:02
Local clock offset: -0.081 ms
Remote clock offset: -0.017 ms

# Below is generated by plot.py at 2020-02-18 15:03:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 125.40 Mbit/s
95th percentile per-packet one-way delay: 166.540 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 125.40 Mbit/s
95th percentile per-packet one-way delay: 166.540 ms
Loss rate: 0.00%
Run 2: Report of Verus — Data Link

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

- Flow 1 ingress (mean 125.40 Mbit/s)
- Flow 1 egress (mean 125.40 Mbit/s)

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

- Flow 1 (95th percentile 166.54 ms)
Run 3: Statistics of Verus

Start at: 2020-02-18 11:13:34
End at: 2020-02-18 11:14:04
Local clock offset: -0.189 ms
Remote clock offset: -0.154 ms

# Below is generated by plot.py at 2020-02-18 15:03:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 104.97 Mbit/s
95th percentile per-packet one-way delay: 195.464 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 104.97 Mbit/s
95th percentile per-packet one-way delay: 195.464 ms
Loss rate: 0.30%
Run 3: Report of Verus — Data Link
Run 4: Statistics of Verus

Start at: 2020-02-18 11:48:48
End at: 2020-02-18 11:49:18
Local clock offset: -0.085 ms
Remote clock offset: -0.02 ms

# Below is generated by plot.py at 2020-02-18 15:03:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 138.79 Mbit/s
95th percentile per-packet one-way delay: 249.569 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 138.79 Mbit/s
95th percentile per-packet one-way delay: 249.569 ms
Loss rate: 0.42%
Run 4: Report of Verus — Data Link

Throughput (Mbps)

Time (s)

Flow 1 ingress (mean 139.38 Mbit/s)  Flow 1 egress (mean 138.79 Mbit/s)

Packet delay (ms)

Time (s)

Flow 1 (95th percentile 249.57 ms)
Run 5: Statistics of Verus

Start at: 2020-02-18 12:24:14
End at: 2020-02-18 12:24:44
Local clock offset: -0.113 ms
Remote clock offset: 0.139 ms

# Below is generated by plot.py at 2020-02-18 15:04:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 192.31 Mbit/s
95th percentile per-packet one-way delay: 287.824 ms
Loss rate: 7.12%
-- Flow 1:
Average throughput: 192.31 Mbit/s
95th percentile per-packet one-way delay: 287.824 ms
Loss rate: 7.12%
Run 5: Report of Verus — Data Link

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

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

Start at: 2020-02-18 10:05:06
End at: 2020-02-18 10:05:36
Local clock offset: -0.011 ms
Remote clock offset: 0.006 ms

# Below is generated by plot.py at 2020-02-18 15:04:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 314.76 Mbit/s
95th percentile per-packet one-way delay: 135.318 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 314.76 Mbit/s
95th percentile per-packet one-way delay: 135.318 ms
Loss rate: 0.00%
Run 1: Report of PCC-Vivace — Data Link
Run 2: Statistics of PCC-Vivace

Start at: 2020-02-18 10:40:33
End at: 2020-02-18 10:41:03
Local clock offset: -0.082 ms
Remote clock offset: -0.052 ms

# Below is generated by plot.py at 2020-02-18 15:04:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 200.84 Mbit/s
95th percentile per-packet one-way delay: 135.278 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 200.84 Mbit/s
95th percentile per-packet one-way delay: 135.278 ms
Loss rate: 0.01%
Run 2: Report of PCC-Vivace — Data Link
Run 3: Statistics of PCC-Vivace

Start at: 2020-02-18 11:16:33  
End at: 2020-02-18 11:17:03  
Local clock offset: 0.275 ms  
Remote clock offset: 0.229 ms

# Below is generated by plot.py at 2020-02-18 15:04:28  
# Datalink statistics

-- Total of 1 flow:
Average throughput: 257.20 Mbit/s
95th percentile per-packet one-way delay: 135.037 ms
Loss rate: 0.00%

-- Flow 1:
Average throughput: 257.20 Mbit/s
95th percentile per-packet one-way delay: 135.037 ms
Loss rate: 0.00%
Run 3: Report of PCC-Vivace — Data Link

![Graph showing throughput and delay over time for Flow 1 ingress and egress with mean 257.20 Mbit/s and 95th percentile 135.04 ms.](image-url)
Run 4: Statistics of PCC-Vivace

Start at: 2020-02-18 11:51:48
End at: 2020-02-18 11:52:18
Local clock offset: -0.07 ms
Remote clock offset: -0.038 ms

# Below is generated by plot.py at 2020-02-18 15:04:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 175.31 Mbit/s
95th percentile per-packet one-way delay: 134.991 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 175.31 Mbit/s
95th percentile per-packet one-way delay: 134.991 ms
Loss rate: 0.00%
Run 4: Report of PCC-Vivace — Data Link

![Throughput Graph](image1)

![Per-packet one-way delay Graph](image2)
Run 5: Statistics of PCC-Vivace

Start at: 2020-02-18 12:27:25
End at: 2020-02-18 12:27:55
Local clock offset: -0.066 ms
Remote clock offset: 0.118 ms

# Below is generated by plot.py at 2020-02-18 15:04:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 289.86 Mbit/s
95th percentile per-packet one-way delay: 135.178 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 289.86 Mbit/s
95th percentile per-packet one-way delay: 135.178 ms
Loss rate: 0.00%
Run 5: Report of PCC-Vivace — Data Link

![Graph 1: Throughput](image1)

- Flow 1 ingress (mean 289.84 Mbit/s)
- Flow 1 egress (mean 289.86 Mbit/s)

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

- Flow 1 (95th percentile 135.18 ms)
Run 1: Statistics of WebRTC media

Start at: 2020-02-18 10:21:13
End at: 2020-02-18 10:21:43
Local clock offset: -0.105 ms
Remote clock offset: -0.008 ms
Run 1: Report of WebRTC media — Data Link

![Graph](image)

**Legend:**
- Flow 1 ingress (mean 0.01 Mbit/s)
- Flow 1 egress (mean 0.01 Mbit/s)

![Graph](image)

**Legend:**
- Flow 1 (95th percentile 136.03 ms)
Run 2: Statistics of WebRTC media

Start at: 2020-02-18 10:57:11
End at: 2020-02-18 10:57:41
Local clock offset: -0.059 ms
Remote clock offset: -0.151 ms
Run 2: Report of WebRTC media — Data Link
Run 3: Statistics of WebRTC media

Start at: 2020-02-18 11:32:40
End at: 2020-02-18 11:33:10
Local clock offset: -0.121 ms
Remote clock offset: -0.102 ms
Run 3: Report of WebRTC media — Data Link

![Graph showing throughput over time for Flow 1 ingress and egress with mean 0.88 Mbps](image1)

![Graph showing per packet one-way delay over time for Flow 1 with 95th percentile 133.08 ms](image2)
Run 4: Statistics of WebRTC media

Start at: 2020-02-18 12:08:19
End at: 2020-02-18 12:08:49
Local clock offset: ~0.112 ms
Remote clock offset: 0.083 ms
Run 4: Report of WebRTC media — Data Link
Run 5: Statistics of WebRTC media

Start at: 2020-02-18 12:43:53
End at: 2020-02-18 12:44:23
Local clock offset: 0.276 ms
Remote clock offset: 0.119 ms
Run 5: Report of WebRTC media — Data Link