Pantheon Report

Generated at 2019-08-27 15:32:52 (UTC).
Data path: GCE Tokyo on ens4 (remote) → GCE Iowa on ens4 (local).
Repeated the test of 24 congestion control schemes 5 times.
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.
NTP offsets were measured against time.google.com and have been applied to correct the timestamps in logs.

System info:
Linux 4.15.0-1036-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
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net.ipv4.tcp_wmem = 4096 16777216 536870912

Git summary:
branch: muses @ de42328552b3776a75a932a94dfafdf722537b0ec
third_party/fillp @ d64a1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa93032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e826f2b179eaab4a906ce6b7cf3cf
third_party/muses @ 5ce721187ad823da2095537730c746486ca4966
third_party/muses_dtree @ 387225f7b5f61d8be92d708a8869fbb84eb3200
third_party/pantheon-tunnel @ f866d3f58d27af942717625ee3a354cc2e802bd
third_party/pcc @ 1af9958fa0d66d18b623c091a55f5ec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M receiver/src/buffer.h
M receiver/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8ac0d8fa0b9c4eb24f974ab
third_party/proto-quic @ 7796f1a82733a86b42f1b8143ebc978f3cf42
third_party/scream-reproduce @ f099118d1421aa313bf11ff1964974e1da3dbb2
M src/ScramClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46d18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
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Run 1: Statistics of TCP BBR

Start at: 2019-08-27 09:29:52
End at: 2019-08-27 09:30:22
Local clock offset: 0.004 ms
Remote clock offset: 0.004 ms

# Below is generated by plot.py at 2019-08-27 12:56:05
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 890.90 Mbit/s
  95th percentile per-packet one-way delay: 194.339 ms
  Loss rate: 1.46%
-- Flow 1:
  Average throughput: 450.89 Mbit/s
  95th percentile per-packet one-way delay: 161.307 ms
  Loss rate: 0.79%
-- Flow 2:
  Average throughput: 451.62 Mbit/s
  95th percentile per-packet one-way delay: 207.689 ms
  Loss rate: 1.59%
-- Flow 3:
  Average throughput: 423.61 Mbit/s
  95th percentile per-packet one-way delay: 205.387 ms
  Loss rate: 3.32%
Run 1: Report of TCP BBR — Data Link

![Graphs showing network throughput and packet delay over time for different flows.](image-url)
Run 2: Statistics of TCP BBR

Start at: 2019-08-27 10:10:30
End at: 2019-08-27 10:11:01
Local clock offset: -0.145 ms
Remote clock offset: -0.214 ms

# Below is generated by plot.py at 2019-08-27 12:56:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 856.03 Mbit/s
95th percentile per-packet one-way delay: 194.929 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 440.40 Mbit/s
95th percentile per-packet one-way delay: 189.851 ms
Loss rate: 1.11%
-- Flow 2:
Average throughput: 417.37 Mbit/s
95th percentile per-packet one-way delay: 209.365 ms
Loss rate: 2.87%
-- Flow 3:
Average throughput: 419.75 Mbit/s
95th percentile per-packet one-way delay: 138.788 ms
Loss rate: 2.66%
Run 2: Report of TCP BBR — Data Link

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

- Flow 1 ingress (mean 443.48 Mbit/s)
- Flow 1 egress (mean 440.40 Mbit/s)
- Flow 2 ingress (mean 427.27 Mbit/s)
- Flow 2 egress (mean 417.37 Mbit/s)
- Flow 3 ingress (mean 425.88 Mbit/s)
- Flow 3 egress (mean 419.75 Mbit/s)

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

- Flow 1 (95th percentile 189.85 ms)
- Flow 2 (95th percentile 209.37 ms)
- Flow 3 (95th percentile 130.79 ms)
Run 3: Statistics of TCP BBR

Start at: 2019-08-27 10:51:22
End at: 2019-08-27 10:51:52
Local clock offset: -0.025 ms
Remote clock offset: -0.34 ms

# Below is generated by plot.py at 2019-08-27 12:56:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 850.52 Mbit/s
95th percentile per-packet one-way delay: 144.224 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 452.10 Mbit/s
95th percentile per-packet one-way delay: 140.546 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 425.90 Mbit/s
95th percentile per-packet one-way delay: 173.924 ms
Loss rate: 1.71%
-- Flow 3:
Average throughput: 349.85 Mbit/s
95th percentile per-packet one-way delay: 68.883 ms
Loss rate: 1.40%
Run 3: Report of TCP BBR — Data Link

![Graph showing throughput and packet one-way delay over time for different flows.]

- Flow 1 ingress (mean 452.23 Mbit/s), egress (mean 452.10 Mbit/s)
- Flow 2 ingress (mean 430.70 Mbit/s), egress (mean 425.90 Mbit/s)
- Flow 3 ingress (mean 350.52 Mbit/s), egress (mean 349.85 Mbit/s)

![Graph showing per-packet one-way delay for different flows.]

- Flow 1 (95th percentile 140.55 ms), Flow 2 (95th percentile 173.92 ms), Flow 3 (95th percentile 68.88 ms)
Run 4: Statistics of TCP BBR

Start at: 2019-08-27 11:32:27
End at: 2019-08-27 11:32:58
Local clock offset: 0.134 ms
Remote clock offset: -0.869 ms

# Below is generated by plot.py at 2019-08-27 12:56:17
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 899.16 Mbit/s
  95th percentile per-packet one-way delay: 154.785 ms
  Loss rate: 0.69%
-- Flow 1:
  Average throughput: 469.29 Mbit/s
  95th percentile per-packet one-way delay: 109.683 ms
  Loss rate: 0.26%
-- Flow 2:
  Average throughput: 453.87 Mbit/s
  95th percentile per-packet one-way delay: 175.514 ms
  Loss rate: 1.07%
-- Flow 3:
  Average throughput: 388.88 Mbit/s
  95th percentile per-packet one-way delay: 160.226 ms
  Loss rate: 1.38%
Run 4: Report of TCP BBR — Data Link
Run 5: Statistics of TCP BBR

End at: 2019-08-27 12:13:44
Local clock offset: -0.031 ms
Remote clock offset: -0.004 ms

# Below is generated by plot.py at 2019-08-27 12:56:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 855.12 Mbit/s
95th percentile per-packet one-way delay: 160.406 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 438.41 Mbit/s
95th percentile per-packet one-way delay: 168.141 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 444.95 Mbit/s
95th percentile per-packet one-way delay: 162.369 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 367.32 Mbit/s
95th percentile per-packet one-way delay: 91.329 ms
Loss rate: 1.42%
Run 5: Report of TCP BBR — Data Link

![Graph showing throughput and round-trip delay over time for different flows.]

- Flow 1 ingress (mean 440.76 Mbit/s)
- Flow 1 egress (mean 438.41 Mbit/s)
- Flow 2 ingress (mean 446.34 Mbit/s)
- Flow 2 egress (mean 444.95 Mbit/s)
- Flow 3 ingress (mean 367.91 Mbit/s)
- Flow 3 egress (mean 367.32 Mbit/s)
Run 1: Statistics of Copa

Start at: 2019-08-27 09:01:44
End at: 2019-08-27 09:02:14
Local clock offset: -0.068 ms
Remote clock offset: -0.137 ms

# Below is generated by plot.py at 2019-08-27 12:56:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 461.73 Mbit/s
95th percentile per-packet one-way delay: 73.779 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 259.79 Mbit/s
95th percentile per-packet one-way delay: 73.696 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 193.47 Mbit/s
95th percentile per-packet one-way delay: 81.967 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 222.65 Mbit/s
95th percentile per-packet one-way delay: 72.534 ms
Loss rate: 1.33%
Run 1: Report of Copa — Data Link

![Graph of throughput and per-packet one-way delay for Run 1 with data link information.]

Flow 1 ingress (mean 259.92 Mbit/s)  
Flow 1 egress (mean 259.79 Mbit/s)  
Flow 2 ingress (mean 193.56 Mbit/s)  
Flow 2 egress (mean 193.47 Mbit/s)  
Flow 3 ingress (mean 222.78 Mbit/s)  
Flow 3 egress (mean 222.65 Mbit/s)
Run 2: Statistics of Copa

Start at: 2019-08-27 09:42:16
End at: 2019-08-27 09:42:46
Local clock offset: -0.105 ms
Remote clock offset: -0.041 ms

# Below is generated by plot.py at 2019-08-27 12:56:54
# Datalink statistics
# Total of 3 flows:
# Average throughput: 502.86 Mbit/s
# 95th percentile per-packet one-way delay: 88.102 ms
# Loss rate: 0.62%
# Flow 1:
# Average throughput: 269.17 Mbit/s
# 95th percentile per-packet one-way delay: 84.660 ms
# Loss rate: 0.33%
# Flow 2:
# Average throughput: 224.58 Mbit/s
# 95th percentile per-packet one-way delay: 91.818 ms
# Loss rate: 0.67%
# Flow 3:
# Average throughput: 256.03 Mbit/s
# 95th percentile per-packet one-way delay: 73.017 ms
# Loss rate: 1.46%
Run 2: Report of Copa — Data Link
Run 3: Statistics of Copa

Start at: 2019-08-27 10:22:51
End at: 2019-08-27 10:23:21
Local clock offset: -0.188 ms
Remote clock offset: -0.667 ms

# Below is generated by plot.py at 2019-08-27 12:56:54
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 438.23 Mbit/s
  95th percentile per-packet one-way delay: 74.952 ms
  Loss rate: 0.70%
-- Flow 1:
  Average throughput: 203.75 Mbit/s
  95th percentile per-packet one-way delay: 69.812 ms
  Loss rate: 0.48%
-- Flow 2:
  Average throughput: 237.89 Mbit/s
  95th percentile per-packet one-way delay: 75.777 ms
  Loss rate: 0.62%
-- Flow 3:
  Average throughput: 231.99 Mbit/s
  95th percentile per-packet one-way delay: 86.958 ms
  Loss rate: 1.44%
Run 3: Report of Copa — Data Link
Run 4: Statistics of Copa

Start at: 2019-08-27 11:03:48
End at: 2019-08-27 11:04:18
Local clock offset: 0.011 ms
Remote clock offset: -0.417 ms

# Below is generated by plot.py at 2019-08-27 13:11:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 512.59 Mbit/s
95th percentile per-packet one-way delay: 74.429 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 273.99 Mbit/s
95th percentile per-packet one-way delay: 73.491 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 251.57 Mbit/s
95th percentile per-packet one-way delay: 72.430 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 216.52 Mbit/s
95th percentile per-packet one-way delay: 81.017 ms
Loss rate: 1.42%
Run 4: Report of Copa — Data Link

![Graph showing throughput and per-packet one-way delay for flows 1, 2, and 3.]

- Flow 1 ingress (mean 273.85 Mbit/s), Flow 1 egress (mean 273.99 Mbit/s)
- Flow 2 ingress (mean 251.79 Mbit/s), Flow 2 egress (mean 251.57 Mbit/s)
- Flow 3 ingress (mean 216.93 Mbit/s), Flow 3 egress (mean 216.52 Mbit/s)
Run 5: Statistics of Copa

Start at: 2019-08-27 11:44:48
End at: 2019-08-27 11:45:18
Local clock offset: 0.14 ms
Remote clock offset: -0.08 ms

# Below is generated by plot.py at 2019-08-27 13:11:49
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 481.80 Mbit/s
  95th percentile per-packet one-way delay: 79.777 ms
  Loss rate: 0.63%
-- Flow 1:
  Average throughput: 237.49 Mbit/s
  95th percentile per-packet one-way delay: 74.449 ms
  Loss rate: 0.41%
-- Flow 2:
  Average throughput: 256.64 Mbit/s
  95th percentile per-packet one-way delay: 79.093 ms
  Loss rate: 0.62%
-- Flow 3:
  Average throughput: 223.64 Mbit/s
  95th percentile per-packet one-way delay: 94.101 ms
  Loss rate: 1.37%
Run 5: Report of Copa — Data Link

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

Legend:
- Flow 1 ingress (mean 237.52 Mbit/s)
- Flow 1 egress (mean 237.49 Mbit/s)
- Flow 2 ingress (mean 256.67 Mbit/s)
- Flow 2 egress (mean 256.64 Mbit/s)
- Flow 3 ingress (mean 223.96 Mbit/s)
- Flow 3 egress (mean 223.64 Mbit/s)
Run 1: Statistics of TCP Cubic

Start at: 2019-08-27 09:16:11
End at: 2019-08-27 09:16:41
Local clock offset: -0.005 ms
Remote clock offset: 0.023 ms

# Below is generated by plot.py at 2019-08-27 13:11:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 545.82 Mbit/s
95th percentile per-packet one-way delay: 107.176 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 99.30 Mbit/s
95th percentile per-packet one-way delay: 60.489 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 469.29 Mbit/s
95th percentile per-packet one-way delay: 104.129 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 408.58 Mbit/s
95th percentile per-packet one-way delay: 118.546 ms
Loss rate: 1.45%
Run 1: Report of TCP Cubic — Data Link

![Diagram showing throughput and packet loss over time for different flows.]

- Flow 1 ingress (mean 99.10 Mbit/s)
- Flow 1 egress (mean 99.30 Mbit/s)
- Flow 2 ingress (mean 469.66 Mbit/s)
- Flow 2 egress (mean 469.29 Mbit/s)
- Flow 3 ingress (mean 409.33 Mbit/s)
- Flow 3 egress (mean 408.58 Mbit/s)

![Diagram showing packet loss over time for different flows.]

- Flow 1 (95th percentile 60.49 ms)
- Flow 2 (95th percentile 104.13 ms)
- Flow 3 (95th percentile 118.55 ms)
Run 2: Statistics of TCP Cubic

Start at: 2019-08-27 09:56:46
End at: 2019-08-27 09:57:16
Local clock offset: -0.146 ms
Remote clock offset: -0.113 ms

# Below is generated by plot.py at 2019-08-27 13:11:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 802.83 Mbit/s
95th percentile per-packet one-way delay: 94.574 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 444.00 Mbit/s
95th percentile per-packet one-way delay: 88.975 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 417.81 Mbit/s
95th percentile per-packet one-way delay: 78.689 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 246.75 Mbit/s
95th percentile per-packet one-way delay: 157.669 ms
Loss rate: 4.26%
Run 2: Report of TCP Cubic — Data Link

![Graph showing throughput and per-packet one-way delay over time for different flows.](image)

- Flow 1 ingress (mean 443.81 Mbit/s)
- Flow 1 egress (mean 444.00 Mbit/s)
- Flow 2 ingress (mean 418.21 Mbit/s)
- Flow 2 egress (mean 417.81 Mbit/s)
- Flow 3 ingress (mean 254.54 Mbit/s)
- Flow 3 egress (mean 246.75 Mbit/s)
Run 3: Statistics of TCP Cubic

Start at: 2019-08-27 10:37:21
End at: 2019-08-27 10:37:51
Local clock offset: -0.159 ms
Remote clock offset: -0.967 ms

# Below is generated by plot.py at 2019-08-27 13:11:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 883.72 Mbit/s
95th percentile per-packet one-way delay: 86.356 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 434.36 Mbit/s
95th percentile per-packet one-way delay: 73.856 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 483.33 Mbit/s
95th percentile per-packet one-way delay: 83.365 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 388.22 Mbit/s
95th percentile per-packet one-way delay: 95.777 ms
Loss rate: 1.32%
Run 3: Report of TCP Cubic — Data Link
Run 4: Statistics of TCP Cubic

Start at: 2019-08-27 11:18:27
End at: 2019-08-27 11:18:57
Local clock offset: 0.045 ms
Remote clock offset: -0.032 ms

# Below is generated by plot.py at 2019-08-27 13:12:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 892.75 Mbit/s
95th percentile per-packet one-way delay: 107.302 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 454.86 Mbit/s
95th percentile per-packet one-way delay: 89.508 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 446.64 Mbit/s
95th percentile per-packet one-way delay: 120.992 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 427.56 Mbit/s
95th percentile per-packet one-way delay: 113.232 ms
Loss rate: 1.17%
Run 4: Report of TCP Cubic — Data Link

[Graphs showing throughput and packet loss delay over time for different flows.]
Run 5: Statistics of TCP Cubic

Start at: 2019-08-27 11:59:23
End at: 2019-08-27 11:59:53
Local clock offset: 0.001 ms
Remote clock offset: -0.085 ms

# Below is generated by plot.py at 2019-08-27 13:12:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 825.45 Mbit/s
95th percentile per-packet one-way delay: 71.568 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 412.91 Mbit/s
95th percentile per-packet one-way delay: 67.805 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 442.32 Mbit/s
95th percentile per-packet one-way delay: 71.103 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 359.46 Mbit/s
95th percentile per-packet one-way delay: 96.115 ms
Loss rate: 1.20%
Run 5: Report of TCP Cubic — Data Link
Run 1: Statistics of FillP

Start at: 2019-08-27 09:24:33
End at: 2019-08-27 09:25:03
Local clock offset: -0.008 ms
Remote clock offset: 0.238 ms

# Below is generated by plot.py at 2019-08-27 13:15:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 846.77 Mbit/s
95th percentile per-packet one-way delay: 97.450 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 519.29 Mbit/s
95th percentile per-packet one-way delay: 109.558 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 352.18 Mbit/s
95th percentile per-packet one-way delay: 63.287 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 285.81 Mbit/s
95th percentile per-packet one-way delay: 68.271 ms
Loss rate: 1.55%
Run 1: Report of FillP — Data Link

Throughput (Mbps) vs Time (s)

- Flow 1 Ingress (mean 520.65 Mbps)
- Flow 1 Egress (mean 519.29 Mbps)
- Flow 2 Ingress (mean 352.06 Mbps)
- Flow 2 Egress (mean 352.18 Mbps)
- Flow 3 Ingress (mean 286.31 Mbps)
- Flow 3 Egress (mean 285.83 Mbps)

Round-Trip Time (ms) vs Time (s)

- Flow 1 (95th percentile 109.56 ms)
- Flow 2 (95th percentile 63.29 ms)
- Flow 3 (95th percentile 68.27 ms)
Run 2: Statistics of FillP

Start at: 2019-08-27 10:05:21
End at: 2019-08-27 10:05:51
Local clock offset: -0.16 ms
Remote clock offset: -0.115 ms

# Below is generated by plot.py at 2019-08-27 13:18:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 664.14 Mbit/s
95th percentile per-packet one-way delay: 88.341 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 356.59 Mbit/s
95th percentile per-packet one-way delay: 96.544 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 344.04 Mbit/s
95th percentile per-packet one-way delay: 68.490 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 240.53 Mbit/s
95th percentile per-packet one-way delay: 61.887 ms
Loss rate: 1.67%
Run 2: Report of FillP — Data Link

![Graph showing throughput and per-packet one-way delay over time for different flows.](image-url)
Run 3: Statistics of FillP

Start at: 2019-08-27 10:45:59
End at: 2019-08-27 10:46:29
Local clock offset: -0.132 ms
Remote clock offset: -0.568 ms

# Below is generated by plot.py at 2019-08-27 13:26:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 800.18 Mbit/s
95th percentile per-packet one-way delay: 87.483 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 508.95 Mbit/s
95th percentile per-packet one-way delay: 95.712 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 323.22 Mbit/s
95th percentile per-packet one-way delay: 70.519 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 233.56 Mbit/s
95th percentile per-packet one-way delay: 67.405 ms
Loss rate: 1.63%
Run 3: Report of FillP — Data Link

Graph 1: Throughput (Mbps)

Graph 2: Per-packet one-way delay (ms)
Run 4: Statistics of FillP

Start at: 2019-08-27 11:27:04
End at: 2019-08-27 11:27:34
Local clock offset: 0.119 ms
Remote clock offset: -0.787 ms

# Below is generated by plot.py at 2019-08-27 13:28:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 813.67 Mbit/s
95th percentile per-packet one-way delay: 112.754 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 511.05 Mbit/s
95th percentile per-packet one-way delay: 121.931 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 335.11 Mbit/s
95th percentile per-packet one-way delay: 65.228 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 244.65 Mbit/s
95th percentile per-packet one-way delay: 64.782 ms
Loss rate: 1.47%
Run 4: Report of FillP — Data Link
Run 5: Statistics of FillP

Start at: 2019-08-27 12:07:57
End at: 2019-08-27 12:08:27
Local clock offset: -0.027 ms
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2019-08-27 13:28:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 806.32 Mbit/s
95th percentile per-packet one-way delay: 79.094 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 508.99 Mbit/s
95th percentile per-packet one-way delay: 83.655 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 327.61 Mbit/s
95th percentile per-packet one-way delay: 64.422 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 243.25 Mbit/s
95th percentile per-packet one-way delay: 65.941 ms
Loss rate: 1.19%
Run 5: Report of FillP — Data Link

![Graph 1: Throughput vs Time for different flows]

- Flow 1 Ingress (mean 508.15 Mbit/s)
- Flow 1 Egress (mean 508.99 Mbit/s)
- Flow 2 Ingress (mean 327.34 Mbit/s)
- Flow 2 Egress (mean 327.61 Mbit/s)
- Flow 3 Ingress (mean 243.55 Mbit/s)
- Flow 3 Egress (mean 243.25 Mbit/s)

![Graph 2: Per-packet delay vs Time for different flows]

- Flow 1 (95th percentile 83.66 ms)
- Flow 2 (95th percentile 64.42 ms)
- Flow 3 (95th percentile 65.94 ms)
Run 1: Statistics of FillP-Sheep

Start at: 2019-08-27 09:17:53
End at: 2019-08-27 09:18:23
Local clock offset: -0.005 ms
Remote clock offset: 0.094 ms

# Below is generated by plot.py at 2019-08-27 13:28:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 777.41 Mbit/s
95th percentile per-packet one-way delay: 80.225 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 481.36 Mbit/s
95th percentile per-packet one-way delay: 81.946 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 329.48 Mbit/s
95th percentile per-packet one-way delay: 66.917 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 235.60 Mbit/s
95th percentile per-packet one-way delay: 69.670 ms
Loss rate: 1.32%
Run 1: Report of FillP-Sheep — Data Link

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

- **Flow 1 ingress (mean 480.30 Mbps)**
- **Flow 1 egress (mean 481.36 Mbps)**
- **Flow 2 ingress (mean 329.80 Mbps)**
- **Flow 2 egress (mean 329.48 Mbps)**
- **Flow 3 ingress (mean 235.72 Mbps)**
- **Flow 3 egress (mean 235.60 Mbps)**

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

- **Flow 1 (95th percentile 81.95 ms)**
- **Flow 2 (95th percentile 66.92 ms)**
- **Flow 3 (95th percentile 69.67 ms)**
Run 2: Statistics of FillP-Sheep

Start at: 2019-08-27 09:58:40
End at: 2019-08-27 09:59:10
Local clock offset: -0.16 ms
Remote clock offset: -0.089 ms

# Below is generated by plot.py at 2019-08-27 13:28:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 786.08 Mbit/s
95th percentile per-packet one-way delay: 85.281 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 496.08 Mbit/s
95th percentile per-packet one-way delay: 88.227 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 319.57 Mbit/s
95th percentile per-packet one-way delay: 63.703 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 237.53 Mbit/s
95th percentile per-packet one-way delay: 65.554 ms
Loss rate: 1.25%
Run 2: Report of FillP-Sheep — Data Link

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

Flow 1 ingress (mean 495.68 Mbps)  Flow 1 egress (mean 496.08 Mbps)
Flow 2 ingress (mean 319.52 Mbps)  Flow 2 egress (mean 319.57 Mbps)
Flow 3 ingress (mean 237.38 Mbps)  Flow 3 egress (mean 237.53 Mbps)

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

Flow 1 (95th percentile 88.23 ms)  Flow 2 (95th percentile 63.70 ms)  Flow 3 (95th percentile 65.55 ms)
Run 3: Statistics of FillP-Sheep

Start at: 2019-08-27 10:39:18
End at: 2019-08-27 10:39:48
Local clock offset: -0.183 ms
Remote clock offset: -1.24 ms

# Below is generated by plot.py at 2019-08-27 13:29:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 796.30 Mbit/s
95th percentile per-packet one-way delay: 71.930 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 499.11 Mbit/s
95th percentile per-packet one-way delay: 76.427 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 328.08 Mbit/s
95th percentile per-packet one-way delay: 68.267 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 241.01 Mbit/s
95th percentile per-packet one-way delay: 61.425 ms
Loss rate: 1.35%
Run 3: Report of FillP-Sheep — Data Link

![Graph showing network data](graph.png)

- Flow 1 Ingress (mean 498.21 Mbit/s)
- Flow 1 Egress (mean 499.11 Mbit/s)
- Flow 2 Ingress (mean 327.52 Mbit/s)
- Flow 2 Egress (mean 328.08 Mbit/s)
- Flow 3 Ingress (mean 241.38 Mbit/s)
- Flow 3 Egress (mean 241.01 Mbit/s)

![Graph showing packet delay](graph2.png)

- Flow 1 (95th percentile 76.43 ms)
- Flow 2 (95th percentile 68.27 ms)
- Flow 3 (95th percentile 61.42 ms)
Run 4: Statistics of FillP-Sheep

Start at: 2019-08-27 11:20:25
End at: 2019-08-27 11:20:55
Local clock offset: 0.089 ms
Remote clock offset: -0.155 ms

# Below is generated by plot.py at 2019-08-27 13:32:42
# Datalink statistics

-- Total of 3 flows:
Average throughput: 776.33 Mbit/s
95th percentile per-packet one-way delay: 86.708 ms
Loss rate: 0.45%

-- Flow 1:
Average throughput: 484.79 Mbit/s
95th percentile per-packet one-way delay: 95.427 ms
Loss rate: 0.30%

-- Flow 2:
Average throughput: 321.15 Mbit/s
95th percentile per-packet one-way delay: 64.291 ms
Loss rate: 0.43%

-- Flow 3:
Average throughput: 238.97 Mbit/s
95th percentile per-packet one-way delay: 66.422 ms
Loss rate: 1.42%
Run 4: Report of FillP-Sheep — Data Link
Run 5: Statistics of FillP-Sheep

Start at: 2019-08-27 12:01:18
End at: 2019-08-27 12:01:48
Local clock offset: -0.023 ms
Remote clock offset: -0.155 ms

# Below is generated by plot.py at 2019-08-27 13:35:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 735.32 Mbit/s
95th percentile per-packet one-way delay: 81.772 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 459.23 Mbit/s
95th percentile per-packet one-way delay: 86.172 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 305.07 Mbit/s
95th percentile per-packet one-way delay: 69.855 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 224.64 Mbit/s
95th percentile per-packet one-way delay: 68.919 ms
Loss rate: 1.36%
Run 5: Report of FillP-Sheep — Data Link

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

Throughput (Mbit/s)

- Flow 1 ingress (mean 458.19 Mbit/s)
- Flow 1 egress (mean 459.23 Mbit/s)
- Flow 2 ingress (mean 304.79 Mbit/s)
- Flow 2 egress (mean 305.07 Mbit/s)
- Flow 3 ingress (mean 226.23 Mbit/s)
- Flow 3 egress (mean 224.64 Mbit/s)

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

Per-packet one-way delay (ms)

- Flow 1 (95th percentile 86.17 ms)
- Flow 2 (95th percentile 69.86 ms)
- Flow 3 (95th percentile 68.92 ms)
Run 1: Statistics of Indigo

Start at: 2019-08-27 09:28:05
End at: 2019-08-27 09:28:35
Local clock offset: 0.026 ms
Remote clock offset: 0.147 ms

# Below is generated by plot.py at 2019-08-27 13:39:22
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 383.36 Mbit/s
  95th percentile per-packet one-way delay: 67.075 ms
  Loss rate: 0.64%
-- Flow 1:
  Average throughput: 203.59 Mbit/s
  95th percentile per-packet one-way delay: 62.744 ms
  Loss rate: 0.43%
-- Flow 2:
  Average throughput: 185.34 Mbit/s
  95th percentile per-packet one-way delay: 68.311 ms
  Loss rate: 0.64%
-- Flow 3:
  Average throughput: 146.83 Mbit/s
  95th percentile per-packet one-way delay: 64.100 ms
  Loss rate: 1.51%
Run 1: Report of Indigo — Data Link

![Graph showing throughput and per-packet round-trip delay over time for different flows.]

Legend:
- Flow 1 ingress (mean 203.55 Mbit/s)
- Flow 1 egress (mean 203.59 Mbit/s)
- Flow 2 ingress (mean 185.31 Mbit/s)
- Flow 2 egress (mean 185.36 Mbit/s)
- Flow 3 ingress (mean 147.16 Mbit/s)
- Flow 3 egress (mean 146.83 Mbit/s)
Run 2: Statistics of Indigo

Start at: 2019-08-27 10:08:39
End at: 2019-08-27 10:09:09
Local clock offset: -0.149 ms
Remote clock offset: -0.135 ms

# Below is generated by plot.py at 2019-08-27 13:41:32
# Datalink statistics
-- Total of 3 flows:
 Average throughput: 395.94 Mbit/s
 95th percentile per-packet one-way delay: 66.559 ms
 Loss rate: 0.66%
-- Flow 1:
 Average throughput: 215.32 Mbit/s
 95th percentile per-packet one-way delay: 67.651 ms
 Loss rate: 0.44%
-- Flow 2:
 Average throughput: 192.42 Mbit/s
 95th percentile per-packet one-way delay: 62.989 ms
 Loss rate: 0.72%
-- Flow 3:
 Average throughput: 163.82 Mbit/s
 95th percentile per-packet one-way delay: 68.325 ms
 Loss rate: 1.41%
Run 2: Report of Indigo — Data Link

[Graph showing throughput and packet error rate over time for different flows.]

- Flow 1 ingress (mean 215.38 Mbit/s)
- Flow 1 egress (mean 215.32 Mbit/s)
- Flow 2 ingress (mean 192.61 Mbit/s)
- Flow 2 egress (mean 192.42 Mbit/s)
- Flow 3 ingress (mean 164.03 Mbit/s)
- Flow 3 egress (mean 163.82 Mbit/s)
Run 3: Statistics of Indigo

Start at: 2019-08-27 10:49:34
End at: 2019-08-27 10:50:04
Local clock offset: -0.042 ms
Remote clock offset: -0.389 ms

# Below is generated by plot.py at 2019-08-27 13:41:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 377.97 Mbit/s
95th percentile per-packet one-way delay: 67.867 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 203.82 Mbit/s
95th percentile per-packet one-way delay: 68.302 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 187.43 Mbit/s
95th percentile per-packet one-way delay: 67.673 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 155.97 Mbit/s
95th percentile per-packet one-way delay: 65.679 ms
Loss rate: 1.40%
Run 3: Report of Indigo — Data Link

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**Throughput (Mbps)**

- Flow 1 ingress (mean 203.81 Mbps)
- Flow 1 egress (mean 203.82 Mbps)
- Flow 2 ingress (mean 187.44 Mbps)
- Flow 2 egress (mean 187.43 Mbps)
- Flow 3 ingress (mean 156.13 Mbps)
- Flow 3 egress (mean 155.97 Mbps)

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

- Flow 1 (95th percentile 68.30 ms)
- Flow 2 (95th percentile 67.67 ms)
- Flow 3 (95th percentile 65.68 ms)
Run 4: Statistics of Indigo

Start at: 2019-08-27 11:30:38
End at: 2019-08-27 11:31:08
Local clock offset: 0.103 ms
Remote clock offset: -0.119 ms

# Below is generated by plot.py at 2019-08-27 13:41:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 383.96 Mbit/s
95th percentile per-packet one-way delay: 66.519 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 214.75 Mbit/s
95th percentile per-packet one-way delay: 64.037 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 186.55 Mbit/s
95th percentile per-packet one-way delay: 71.021 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 143.09 Mbit/s
95th percentile per-packet one-way delay: 73.279 ms
Loss rate: 1.47%
Run 4: Report of Indigo — Data Link

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

**Legend:**
- **Dashed blue line**: Flow 1 ingress (mean 214.74 Mbit/s)
- **Solid blue line**: Flow 1 egress (mean 214.75 Mbit/s)
- **Dotted green line**: Flow 2 ingress (mean 186.51 Mbit/s)
- **Solid green line**: Flow 2 egress (mean 186.55 Mbit/s)
- **Dashed red line**: Flow 3 ingress (mean 143.40 Mbit/s)
- **Solid red line**: Flow 3 egress (mean 143.09 Mbit/s)

![Graph 2: Per-packet round-trip delay vs Time](image2)

**Legend:**
- **Blue dots**: Flow 1 (95th percentile 64.04 ms)
- **Red dots**: Flow 2 (95th percentile 71.02 ms)
- **Green dots**: Flow 3 (95th percentile 73.28 ms)
Run 5: Statistics of Indigo

Start at: 2019-08-27 12:11:28
End at: 2019-08-27 12:11:59
Local clock offset: -0.024 ms
Remote clock offset: -0.017 ms

# Below is generated by plot.py at 2019-08-27 13:41:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 337.26 Mbit/s
95th percentile per-packet one-way delay: 64.646 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 175.50 Mbit/s
95th percentile per-packet one-way delay: 62.299 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 172.92 Mbit/s
95th percentile per-packet one-way delay: 65.734 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 147.89 Mbit/s
95th percentile per-packet one-way delay: 62.663 ms
Loss rate: 1.49%
Run 5: Report of Indigo — Data Link

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### Throughput

- **Flow 1 Ingress**: Mean 175.61 Mbit/s
- **Flow 1 Egress**: Mean 175.50 Mbit/s
- **Flow 2 Ingress**: Mean 173.06 Mbit/s
- **Flow 2 Egress**: Mean 172.92 Mbit/s
- **Flow 3 Ingress**: Mean 148.28 Mbit/s
- **Flow 3 Egress**: Mean 147.89 Mbit/s

### Per-packet one-way delay

- **Flow 1**: 95th percentile 62.30 ms
- **Flow 2**: 95th percentile 65.73 ms
- **Flow 3**: 95th percentile 62.66 ms

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Run 1: Statistics of Indigo-MusesC3

Start at: 2019-08-27 09:03:40
End at: 2019-08-27 09:04:10
Local clock offset: -0.084 ms
Remote clock offset: -0.177 ms

# Below is generated by plot.py at 2019-08-27 13:41:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 724.34 Mbit/s
95th percentile per-packet one-way delay: 76.788 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 442.37 Mbit/s
95th percentile per-packet one-way delay: 79.769 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 343.76 Mbit/s
95th percentile per-packet one-way delay: 65.706 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 243.27 Mbit/s
95th percentile per-packet one-way delay: 62.801 ms
Loss rate: 1.81%
Run 1: Report of Indigo-MusesC3 — Data Link

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

Key:
- Flow 1 ingress (mean 441.19 Mbit/s)
- Flow 1 egress (mean 442.37 Mbit/s)
- Flow 2 ingress (mean 343.75 Mbit/s)
- Flow 2 egress (mean 343.76 Mbit/s)
- Flow 3 ingress (mean 243.40 Mbit/s)
- Flow 3 egress (mean 243.27 Mbit/s)
Run 2: Statistics of Indigo-MusesC3

Start at: 2019-08-27 09:44:16
End at: 2019-08-27 09:44:46
Local clock offset: -0.106 ms
Remote clock offset: -0.05 ms

# Below is generated by plot.py at 2019-08-27 13:45:34
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 708.32 Mbit/s
  95th percentile per-packet one-way delay: 75.711 ms
  Loss rate: 0.56%
-- Flow 1:
  Average throughput: 429.86 Mbit/s
  95th percentile per-packet one-way delay: 78.982 ms
  Loss rate: 0.31%
-- Flow 2:
  Average throughput: 351.55 Mbit/s
  95th percentile per-packet one-way delay: 68.115 ms
  Loss rate: 0.62%
-- Flow 3:
  Average throughput: 217.63 Mbit/s
  95th percentile per-packet one-way delay: 64.700 ms
  Loss rate: 2.15%
Run 2: Report of Indigo-MusesC3 — Data Link

![Graph showing throughput and latency over time for different flows with specified mean values for ingress and egress.]
Run 3: Statistics of Indigo-MusesC3

Start at: 2019-08-27 10:24:45
End at: 2019-08-27 10:25:15
Local clock offset: -0.156 ms
Remote clock offset: -0.704 ms

# Below is generated by plot.py at 2019-08-27 13:48:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 702.86 Mbit/s
95th percentile per-packet one-way delay: 69.861 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 417.16 Mbit/s
95th percentile per-packet one-way delay: 71.047 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 356.16 Mbit/s
95th percentile per-packet one-way delay: 65.969 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 231.87 Mbit/s
95th percentile per-packet one-way delay: 61.777 ms
Loss rate: 2.41%
Run 3: Report of Indigo-MusesC3 — Data Link

Throughput (Mbps)

Time (s)

Flow 1 ingress (mean 416.58 Mbps)
Flow 1 egress (mean 417.16 Mbps)
Flow 2 ingress (mean 335.95 Mbps)
Flow 2 egress (mean 356.16 Mbps)
Flow 3 ingress (mean 233.53 Mbps)
Flow 3 egress (mean 231.87 Mbps)

Per-packet one-way delay (ms)

Time (s)

Flow 1 (95th percentile 71.05 ms)
Flow 2 (95th percentile 65.97 ms)
Flow 3 (95th percentile 61.78 ms)
Run 4: Statistics of Indigo-MusesC3

Start at: 2019-08-27 11:05:48
End at: 2019-08-27 11:06:18
Local clock offset: 0.047 ms
Remote clock offset: -0.151 ms

# Below is generated by plot.py at 2019-08-27 13:51:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 680.09 Mbit/s
95th percentile per-packet one-way delay: 70.012 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 403.80 Mbit/s
95th percentile per-packet one-way delay: 72.528 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 345.73 Mbit/s
95th percentile per-packet one-way delay: 67.994 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 231.43 Mbit/s
95th percentile per-packet one-way delay: 65.236 ms
Loss rate: 2.38%
Run 4: Report of Indigo-MusesC3 — Data Link
Run 5: Statistics of Indigo-MusesC3

Start at: 2019-08-27 11:46:46
End at: 2019-08-27 11:47:16
Local clock offset: 0.157 ms
Remote clock offset: -0.27 ms

# Below is generated by plot.py at 2019-08-27 13:52:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 690.05 Mbit/s
95th percentile per-packet one-way delay: 77.119 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 408.98 Mbit/s
95th percentile per-packet one-way delay: 77.897 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 345.90 Mbit/s
95th percentile per-packet one-way delay: 68.056 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 234.70 Mbit/s
95th percentile per-packet one-way delay: 96.163 ms
Loss rate: 2.42%
Run 5: Report of Indigo-MusesC3 — Data Link

![Graph of network throughput and per-packet round-trip delay over time for Run 5. The graphs show the throughput in Mbps and the per-packet round-trip delay in ms for different flows. The graphs include lines for Flow 1 ingress and egress, Flow 2 ingress and egress, and Flow 3 ingress and egress, with different colors and line styles for each flow. The x-axis represents time in seconds, and the y-axis represents throughput in Mbps for the throughput graph and per-packet round-trip delay in ms for the delay graph. The legend explains the colors and line styles used for each flow.]
Run 1: Statistics of Indigo-MusesC5

Start at: 2019-08-27 09:12:40
End at: 2019-08-27 09:13:10
Local clock offset: -0.022 ms
Remote clock offset: -0.171 ms

# Below is generated by plot.py at 2019-08-27 13:52:25
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 635.68 Mbit/s
  95th percentile per-packet one-way delay: 73.062 ms
  Loss rate: 0.47%
-- Flow 1:
  Average throughput: 359.53 Mbit/s
  95th percentile per-packet one-way delay: 75.035 ms
  Loss rate: 0.13%
-- Flow 2:
  Average throughput: 397.50 Mbit/s
  95th percentile per-packet one-way delay: 67.223 ms
  Loss rate: 0.76%
-- Flow 3:
  Average throughput: 94.09 Mbit/s
  95th percentile per-packet one-way delay: 60.665 ms
  Loss rate: 2.33%
Run 1: Report of Indigo-MusesC5 — Data Link

![Graph showing throughput and packet loss over time for different flows.](image)

**Throughput (Mbps):**
- Flow 1 ingress (mean 357.97 Mbps) — Flow 1 egress (mean 359.53 Mbps)
- Flow 2 ingress (mean 397.80 Mbps) — Flow 2 egress (mean 397.50 Mbps)
- Flow 3 ingress (mean 94.61 Mbps) — Flow 3 egress (mean 94.09 Mbps)

**Packet Loss:***
- Flow 1 (95th percentile 75.03 ms)
- Flow 2 (95th percentile 67.22 ms)
- Flow 3 (95th percentile 60.66 ms)
Run 2: Statistics of Indigo-MusesC5

Start at: 2019-08-27 09:53:11
End at: 2019-08-27 09:53:41
Local clock offset: -0.134 ms
Remote clock offset: 0.025 ms

# Below is generated by plot.py at 2019-08-27 13:53:53
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 698.79 Mbit/s
  95th percentile per-packet one-way delay: 81.466 ms
  Loss rate: 0.51%
-- Flow 1:
  Average throughput: 460.64 Mbit/s
  95th percentile per-packet one-way delay: 85.847 ms
  Loss rate: 0.28%
-- Flow 2:
  Average throughput: 335.95 Mbit/s
  95th percentile per-packet one-way delay: 67.136 ms
  Loss rate: 0.80%
-- Flow 3:
  Average throughput: 98.06 Mbit/s
  95th percentile per-packet one-way delay: 60.334 ms
  Loss rate: 2.22%
Run 2: Report of Indigo-MusesC5 — Data Link
Run 3: Statistics of Indigo-MusesC5

Start at: 2019-08-27 10:33:46
End at: 2019-08-27 10:34:16
Local clock offset: -0.22 ms
Remote clock offset: -0.784 ms

# Below is generated by plot.py at 2019-08-27 13:54:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 729.75 Mbit/s
95th percentile per-packet one-way delay: 98.745 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 439.79 Mbit/s
95th percentile per-packet one-way delay: 110.123 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 416.43 Mbit/s
95th percentile per-packet one-way delay: 81.673 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 93.45 Mbit/s
95th percentile per-packet one-way delay: 60.730 ms
Loss rate: 1.83%
Run 3: Report of Indigo-MusesC5 — Data Link

![Throughput Graph](image1)

![Delay Graph](image2)
Run 4: Statistics of Indigo-MusesC5

Start at: 2019-08-27 11:14:52
End at: 2019-08-27 11:15:22
Local clock offset: 0.089 ms
Remote clock offset: 0.651 ms

# Below is generated by plot.py at 2019-08-27 13:54:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 715.03 Mbit/s
95th percentile per-packet one-way delay: 83.375 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 440.95 Mbit/s
95th percentile per-packet one-way delay: 158.936 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 398.73 Mbit/s
95th percentile per-packet one-way delay: 68.551 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 87.01 Mbit/s
95th percentile per-packet one-way delay: 59.932 ms
Loss rate: 2.10%
Run 4: Report of Indigo-MusesC5 — Data Link

![Graph of throughput and packet delay over time for different flows.](image-url)

- **Throughput (Mbps):**
  - Flow 1 ingress (mean 440.85 Mbps)
  - Flow 1 egress (mean 440.95 Mbps)
  - Flow 2 ingress (mean 397.54 Mbps)
  - Flow 2 egress (mean 398.73 Mbps)
  - Flow 3 ingress (mean 87.33 Mbps)
  - Flow 3 egress (mean 87.01 Mbps)

- **Packet Delay (ms):**
  - Flow 1 (95th percentile 150.94 ms)
  - Flow 2 (95th percentile 68.55 ms)
  - Flow 3 (95th percentile 59.93 ms)
Run 5: Statistics of Indigo-MusesC5

End at: 2019-08-27 11:56:20
Local clock offset: 0.079 ms
Remote clock offset: -0.217 ms

# Below is generated by plot.py at 2019-08-27 13:57:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 654.37 Mbit/s
95th percentile per-packet one-way delay: 79.143 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 425.25 Mbit/s
95th percentile per-packet one-way delay: 82.748 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 331.06 Mbit/s
95th percentile per-packet one-way delay: 72.168 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 75.47 Mbit/s
95th percentile per-packet one-way delay: 63.020 ms
Loss rate: 2.46%
Run 5: Report of Indigo-MusesC5 — Data Link
Run 1: Statistics of Indigo-MusesD

Start at: 2019-08-27 09:00:02
End at: 2019-08-27 09:00:32
Local clock offset: -0.095 ms
Remote clock offset: -0.361 ms

# Below is generated by plot.py at 2019-08-27 14:00:05
# Datalink statistics
--- Total of 3 flows:
Average throughput: 629.53 Mbit/s
95th percentile per-packet one-way delay: 68.303 ms
Loss rate: 0.59%
--- Flow 1:
Average throughput: 405.23 Mbit/s
95th percentile per-packet one-way delay: 71.548 ms
Loss rate: 0.35%
--- Flow 2:
Average throughput: 250.13 Mbit/s
95th percentile per-packet one-way delay: 63.099 ms
Loss rate: 0.79%
--- Flow 3:
Average throughput: 241.44 Mbit/s
95th percentile per-packet one-way delay: 64.267 ms
Loss rate: 1.62%
Run 1: Report of Indigo-MusesD — Data Link
Run 2: Statistics of Indigo-MusesD

Start at: 2019-08-27 09:40:32
End at: 2019-08-27 09:41:02
Local clock offset: -0.057 ms
Remote clock offset: -0.101 ms

# Below is generated by plot.py at 2019-08-27 14:02:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 659.75 Mbit/s
95th percentile per-packet one-way delay: 84.946 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 395.04 Mbit/s
95th percentile per-packet one-way delay: 83.401 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 321.90 Mbit/s
95th percentile per-packet one-way delay: 86.837 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 236.82 Mbit/s
95th percentile per-packet one-way delay: 65.315 ms
Loss rate: 2.44%
Run 2: Report of Indigo-MusesD — Data Link

![Graph showing throughput and per-packet one-way delay over time for different flows.](image-url)
Run 3: Statistics of Indigo-MusesD

Start at: 2019-08-27 10:21:08
End at: 2019-08-27 10:21:38
Local clock offset: -0.141 ms
Remote clock offset: -0.697 ms

# Below is generated by plot.py at 2019-08-27 14:03:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 627.50 Mbit/s
95th percentile per-packet one-way delay: 66.236 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 390.01 Mbit/s
95th percentile per-packet one-way delay: 66.087 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 272.44 Mbit/s
95th percentile per-packet one-way delay: 66.718 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 252.25 Mbit/s
95th percentile per-packet one-way delay: 65.863 ms
Loss rate: 2.02%
Run 3: Report of Indigo-MusesD — Data Link

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

- **Flow 1** (mean 389.60 Mbit/s, 95th percentile 66.09 ms)
- **Flow 2** (mean 271.18 Mbit/s, 95th percentile 66.72 ms)
- **Flow 3** (mean 252.70 Mbit/s, 95th percentile 65.86 ms)
Run 4: Statistics of Indigo-MusesD

Start at: 2019-08-27 11:02:03
End at: 2019-08-27 11:02:33
Local clock offset: 0.026 ms
Remote clock offset: -0.199 ms

# Below is generated by plot.py at 2019-08-27 14:04:33
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 660.76 Mbit/s
  95th percentile per-packet one-way delay: 65.807 ms
  Loss rate: 0.53%
-- Flow 1:
  Average throughput: 417.69 Mbit/s
  95th percentile per-packet one-way delay: 66.023 ms
  Loss rate: 0.38%
-- Flow 2:
  Average throughput: 350.41 Mbit/s
  95th percentile per-packet one-way delay: 65.809 ms
  Loss rate: 0.65%
-- Flow 3:
  Average throughput: 73.31 Mbit/s
  95th percentile per-packet one-way delay: 60.639 ms
  Loss rate: 2.26%
Run 4: Report of Indigo-MusesD — Data Link
Run 5: Statistics of Indigo-MusesD

Start at: 2019-08-27 11:43:06
End at: 2019-08-27 11:43:36
Local clock offset: 0.123 ms
Remote clock offset: -0.046 ms

# Below is generated by plot.py at 2019-08-27 14:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 597.84 Mbit/s
95th percentile per-packet one-way delay: 69.845 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 334.55 Mbit/s
95th percentile per-packet one-way delay: 67.693 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 324.25 Mbit/s
95th percentile per-packet one-way delay: 76.450 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 231.81 Mbit/s
95th percentile per-packet one-way delay: 65.930 ms
Loss rate: 2.35%
Run 5: Report of Indigo-MusesD — Data Link

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

Legend:
- Flow 1 ingress (mean 334.13 Mbit/s)
- Flow 1 egress (mean 334.55 Mbit/s)
- Flow 2 ingress (mean 323.76 Mbit/s)
- Flow 2 egress (mean 324.25 Mbit/s)
- Flow 3 ingress (mean 232.84 Mbit/s)
- Flow 3 egress (mean 231.81 Mbit/s)

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

Legend for packet delay:
- Flow 1 (95th percentile 67.69 ms)
- Flow 2 (95th percentile 76.45 ms)
- Flow 3 (95th percentile 65.93 ms)
Run 1: Statistics of Indigo-MusesT

Start at: 2019-08-27 09:14:22
End at: 2019-08-27 09:14:52
Local clock offset: -0.033 ms
Remote clock offset: -0.065 ms

# Below is generated by plot.py at 2019-08-27 14:08:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 756.65 Mbit/s
95th percentile per-packet one-way delay: 103.233 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 456.20 Mbit/s
95th percentile per-packet one-way delay: 113.043 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 367.85 Mbit/s
95th percentile per-packet one-way delay: 64.639 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 272.70 Mbit/s
95th percentile per-packet one-way delay: 63.378 ms
Loss rate: 2.32%
Run 1: Report of Indigo-MusesT — Data Link

[Graphs showing throughput and one-way delay over time for different flows]
Run 2: Statistics of Indigo-MusesT

Start at: 2019-08-27 09:54:57
End at: 2019-08-27 09:55:27
Local clock offset: -0.137 ms
Remote clock offset: -0.121 ms

# Below is generated by plot.py at 2019-08-27 14:08:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 750.95 Mbit/s
95th percentile per-packet one-way delay: 80.284 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 449.00 Mbit/s
95th percentile per-packet one-way delay: 82.550 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 374.15 Mbit/s
95th percentile per-packet one-way delay: 70.656 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 257.76 Mbit/s
95th percentile per-packet one-way delay: 67.860 ms
Loss rate: 2.62%
Run 2: Report of Indigo-MusesT — Data Link

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

![Graph 2: Per-packet round-trip delay vs Time](image2)
Run 3: Statistics of Indigo-MusesT

Start at: 2019-08-27 10:35:35
End at: 2019-08-27 10:36:05
Local clock offset: -0.176 ms
Remote clock offset: -1.6 ms

# Below is generated by plot.py at 2019-08-27 14:10:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 704.42 Mbit/s
95th percentile per-packet one-way delay: 92.296 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 435.59 Mbit/s
95th percentile per-packet one-way delay: 91.473 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 343.67 Mbit/s
95th percentile per-packet one-way delay: 96.821 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 211.03 Mbit/s
95th percentile per-packet one-way delay: 63.683 ms
Loss rate: 2.91%
Run 3: Report of Indigo-MusesT — Data Link

**Throughput (Mbps):**

- **Flow 1 ingress** (mean 434.99 Mbps)
- **Flow 1 egress** (mean 435.59 Mbps)
- **Flow 2 ingress** (mean 342.90 Mbps)
- **Flow 2 egress** (mean 343.67 Mbps)
- **Flow 3 ingress** (mean 213.48 Mbps)
- **Flow 3 egress** (mean 211.03 Mbps)

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

- **Flow 1** (95th percentile 91.47 ms)
- **Flow 2** (95th percentile 96.82 ms)
- **Flow 3** (95th percentile 63.68 ms)
Run 4: Statistics of Indigo-MusesT

Start at: 2019-08-27 11:16:39
End at: 2019-08-27 11:17:09
Local clock offset: 0.056 ms
Remote clock offset: 0.193 ms

# Below is generated by plot.py at 2019-08-27 14:13:16
# Datalink statistics
-- Total of 3 flows:
 Average throughput: 726.73 Mbit/s
 95th percentile per-packet one-way delay: 113.403 ms
 Loss rate: 0.45%
-- Flow 1:
 Average throughput: 459.28 Mbit/s
 95th percentile per-packet one-way delay: 126.718 ms
 Loss rate: 0.27%
-- Flow 2:
 Average throughput: 381.78 Mbit/s
 95th percentile per-packet one-way delay: 64.665 ms
 Loss rate: 0.65%
-- Flow 3:
 Average throughput: 101.72 Mbit/s
 95th percentile per-packet one-way delay: 63.541 ms
 Loss rate: 1.91%
Run 4: Report of Indigo-MusesT — Data Link

![Graphs showing throughput and packet delay over time for different flows.]

**Throughput (Mbps):**
- Flow 1 Ingress (mean 458.46 Mbps)
- Flow 1 Egress (mean 459.28 Mbps)
- Flow 2 Ingress (mean 381.65 Mbps)
- Flow 2 Egress (mean 381.78 Mbps)
- Flow 3 Ingress (mean 102.06 Mbps)
- Flow 3 Egress (mean 101.72 Mbps)

**Packet Delay (ms):**
- Flow 1 (95th percentile 126.72 ms)
- Flow 2 (95th percentile 64.67 ms)
- Flow 3 (95th percentile 63.54 ms)
Run 5: Statistics of Indigo-MusesT

Start at: 2019-08-27 11:57:34
End at: 2019-08-27 11:58:04
Local clock offset: 0.049 ms
Remote clock offset: -0.042 ms

# Below is generated by plot.py at 2019-08-27 14:17:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 766.93 Mbit/s
95th percentile per-packet one-way delay: 82.256 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 458.02 Mbit/s
95th percentile per-packet one-way delay: 85.183 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 385.93 Mbit/s
95th percentile per-packet one-way delay: 65.106 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 250.68 Mbit/s
95th percentile per-packet one-way delay: 77.500 ms
Loss rate: 2.59%
Run 5: Report of Indigo-MusesT — Data Link
Run 1: Statistics of LEDBAT

Start at: 2019-08-27 09:23:17
End at: 2019-08-27 09:23:47
Local clock offset: -0.063 ms
Remote clock offset: -0.108 ms

# Below is generated by plot.py at 2019-08-27 14:17:32
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 38.85 Mbit/s
  95th percentile per-packet one-way delay: 61.060 ms
  Loss rate: 1.04%
-- Flow 1:
  Average throughput: 25.44 Mbit/s
  95th percentile per-packet one-way delay: 61.171 ms
  Loss rate: 0.80%
-- Flow 2:
  Average throughput: 16.28 Mbit/s
  95th percentile per-packet one-way delay: 60.573 ms
  Loss rate: 1.24%
-- Flow 3:
  Average throughput: 7.98 Mbit/s
  95th percentile per-packet one-way delay: 60.657 ms
  Loss rate: 2.51%
Run 1: Report of LEDBAT — Data Link

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

**Throughput (Mbps)**

- Flow 1 ingress (mean 25.54 Mbps)
- Flow 1 egress (mean 25.44 Mbps)
- Flow 2 ingress (mean 16.38 Mbps)
- Flow 2 egress (mean 16.28 Mbps)
- Flow 3 ingress (mean 8.09 Mbps)
- Flow 3 egress (mean 7.96 Mbps)

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

- Flow 1 (95th percentile 61.17 ms)
- Flow 2 (95th percentile 60.57 ms)
- Flow 3 (95th percentile 60.66 ms)
Run 2: Statistics of LEDBAT

Start at: 2019-08-27 10:04:04
End at: 2019-08-27 10:04:34
Local clock offset: -0.174 ms
Remote clock offset: -0.085 ms

# Below is generated by plot.py at 2019-08-27 14:17:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 36.84 Mbit/s
95th percentile per-packet one-way delay: 61.480 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 23.30 Mbit/s
95th percentile per-packet one-way delay: 61.507 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 16.27 Mbit/s
95th percentile per-packet one-way delay: 61.472 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 8.40 Mbit/s
95th percentile per-packet one-way delay: 60.742 ms
Loss rate: 2.44%
Run 2: Report of LEDBAT — Data Link
Run 3: Statistics of LEDBAT

Start at: 2019-08-27 10:44:42
End at: 2019-08-27 10:45:12
Local clock offset: -0.131 ms
Remote clock offset: -0.564 ms

# Below is generated by plot.py at 2019-08-27 14:17:32
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 39.38 Mbit/s
  95th percentile per-packet one-way delay: 63.091 ms
  Loss rate: 1.03%
-- Flow 1:
  Average throughput: 25.49 Mbit/s
  95th percentile per-packet one-way delay: 61.218 ms
  Loss rate: 0.80%
-- Flow 2:
  Average throughput: 17.06 Mbit/s
  95th percentile per-packet one-way delay: 60.601 ms
  Loss rate: 1.21%
-- Flow 3:
  Average throughput: 7.97 Mbit/s
  95th percentile per-packet one-way delay: 63.800 ms
  Loss rate: 2.50%
Run 3: Report of LEDBAT — Data Link

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

- **Throughput (Mbps):**
  - Flow 1 ingress (mean 25.60 Mbps)
  - Flow 1 egress (mean 25.49 Mbps)
  - Flow 2 ingress (mean 17.17 Mbps)
  - Flow 2 egress (mean 17.06 Mbps)
  - Flow 3 ingress (mean 8.07 Mbps)
  - Flow 3 egress (mean 7.97 Mbps)

- **Ping Results (ms):**
  - Flow 1 (95th percentile 61.22 ms)
  - Flow 2 (95th percentile 60.60 ms)
  - Flow 3 (95th percentile 61.80 ms)
Run 4: Statistics of LEDBAT

Start at: 2019-08-27 11:25:48
End at: 2019-08-27 11:26:18
Local clock offset: 0.113 ms
Remote clock offset: 0.067 ms

# Below is generated by plot.py at 2019-08-27 14:17:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.82 Mbit/s
95th percentile per-packet one-way delay: 62.795 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 16.29 Mbit/s
95th percentile per-packet one-way delay: 62.958 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 16.23 Mbit/s
95th percentile per-packet one-way delay: 60.739 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 8.40 Mbit/s
95th percentile per-packet one-way delay: 60.929 ms
Loss rate: 2.45%
Run 4: Report of LEDBAT — Data Link
Run 5: Statistics of LEDBAT

Start at: 2019-08-27 12:06:40
End at: 2019-08-27 12:07:10
Local clock offset: -0.047 ms
Remote clock offset: -0.016 ms

# Below is generated by plot.py at 2019-08-27 14:17:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 39.49 Mbit/s
95th percentile per-packet one-way delay: 61.120 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 25.59 Mbit/s
95th percentile per-packet one-way delay: 60.965 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 16.97 Mbit/s
95th percentile per-packet one-way delay: 61.554 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 7.97 Mbit/s
95th percentile per-packet one-way delay: 60.913 ms
Loss rate: 2.51%
Run 5: Report of LEDBAT — Data Link
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-08-27 09:05:27
End at: 2019-08-27 09:05:57
Local clock offset: -0.062 ms
Remote clock offset: 0.058 ms

# Below is generated by plot.py at 2019-08-27 14:18:23
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 647.29 Mbit/s
  95th percentile per-packet one-way delay: 68.668 ms
  Loss rate: 0.56%
-- Flow 1:
  Average throughput: 365.66 Mbit/s
  95th percentile per-packet one-way delay: 71.980 ms
  Loss rate: 0.31%
-- Flow 2:
  Average throughput: 327.82 Mbit/s
  95th percentile per-packet one-way delay: 63.152 ms
  Loss rate: 0.43%
-- Flow 3:
  Average throughput: 207.81 Mbit/s
  95th percentile per-packet one-way delay: 63.841 ms
  Loss rate: 2.33%
Run 1: Report of Muses. DecisionTree — Data Link

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Run 2: Statistics of Muses\_DecisionTree

Start at: 2019-08-27 09:46:03
End at: 2019-08-27 09:46:33
Local clock offset: -0.013 ms
Remote clock offset: -0.056 ms

# Below is generated by plot.py at 2019-08-27 14:18:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 637.03 Mbit/s
95th percentile per-packet one-way delay: 78.556 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 334.98 Mbit/s
95th percentile per-packet one-way delay: 83.200 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 327.54 Mbit/s
95th percentile per-packet one-way delay: 70.350 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 271.03 Mbit/s
95th percentile per-packet one-way delay: 62.886 ms
Loss rate: 1.50%
Run 2: Report of Muses_DecisionTree — Data Link
Run 3: Statistics of Muses\_DecisionTree

Start at: 2019-08-27 10:26:32
End at: 2019-08-27 10:27:02
Local clock offset: -0.165 ms
Remote clock offset: -0.874 ms

# Below is generated by plot.py at 2019-08-27 14:18:31
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 595.74 Mbit/s
  95th percentile per-packet one-way delay: 66.775 ms
  Loss rate: 0.52%
-- Flow 1:
  Average throughput: 327.68 Mbit/s
  95th percentile per-packet one-way delay: 69.746 ms
  Loss rate: 0.24%
-- Flow 2:
  Average throughput: 295.62 Mbit/s
  95th percentile per-packet one-way delay: 62.510 ms
  Loss rate: 0.58%
-- Flow 3:
  Average throughput: 252.90 Mbit/s
  95th percentile per-packet one-way delay: 61.962 ms
  Loss rate: 1.65%
Run 3: Report of Muses. Decision Tree — Data Link

[Graphs showing throughput and per-packet one-way delay over time for different flows (1, 2, 3), with annotations indicating mean throughput and 95th percentile delay for each flow.]
Run 4: Statistics of Muses\_DecisionTree

Start at: 2019-08-27 11:07:34
End at: 2019-08-27 11:08:04
Local clock offset: 0.046 ms
Remote clock offset: -0.394 ms

# Below is generated by plot.py at 2019-08-27 14:20:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 649.03 Mbit/s
95th percentile per-packet one-way delay: 86.048 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 382.86 Mbit/s
95th percentile per-packet one-way delay: 89.258 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 284.20 Mbit/s
95th percentile per-packet one-way delay: 83.420 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 249.65 Mbit/s
95th percentile per-packet one-way delay: 64.979 ms
Loss rate: 1.12%
Run 4: Report of Muses DecisionTree — Data Link

![Diagram showing data link performance with throughput and per-packet round-trip delay metrics over time.]

- Flow 1 ingress (mean 382.99 Mbit/s) vs egress (mean 382.86 Mbit/s)
- Flow 2 ingress (mean 283.52 Mbit/s) vs egress (mean 284.26 Mbit/s)
- Flow 3 ingress (mean 246.99 Mbit/s) vs egress (mean 249.65 Mbit/s)
Run 5: Statistics of Muses\_DecisionTree

End at: 2019-08-27 11:49:02
Local clock offset: 0.148 ms
Remote clock offset: -0.745 ms

# Below is generated by plot.py at 2019-08-27 14:20:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 645.99 Mbit/s
95th percentile per-packet one-way delay: 73.599 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 400.19 Mbit/s
95th percentile per-packet one-way delay: 79.499 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 270.30 Mbit/s
95th percentile per-packet one-way delay: 66.532 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 216.97 Mbit/s
95th percentile per-packet one-way delay: 69.098 ms
Loss rate: 1.58%
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-08-27 09:33:41
End at: 2019-08-27 09:34:11
Local clock offset: -0.019 ms
Remote clock offset: 0.057 ms

# Below is generated by plot.py at 2019-08-27 14:22:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 614.89 Mbit/s
95th percentile per-packet one-way delay: 113.766 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 325.69 Mbit/s
95th percentile per-packet one-way delay: 126.722 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 325.17 Mbit/s
95th percentile per-packet one-way delay: 108.806 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 235.65 Mbit/s
95th percentile per-packet one-way delay: 93.952 ms
Loss rate: 1.31%
Run 1: Report of Muses DecisionTreeH0 — Data Link

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

- Flow 1 ingress (mean 327.24 Mbit/s)
- Flow 1 egress (mean 325.69 Mbit/s)
- Flow 2 ingress (mean 324.99 Mbit/s)
- Flow 2 egress (mean 325.17 Mbit/s)
- Flow 3 ingress (mean 336.06 Mbit/s)
- Flow 3 egress (mean 335.65 Mbit/s)

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

- Flow 1 (95th percentile 126.72 ms)
- Flow 2 (95th percentile 108.81 ms)
- Flow 3 (95th percentile 93.95 ms)
Run 2: Statistics of Muses\_DecisionTreeH0

Start at: 2019-08-27 10:14:21  
End at: 2019-08-27 10:14:51  
Local clock offset: -0.175 ms  
Remote clock offset: -0.454 ms

# Below is generated by plot.py at 2019-08-27 14:24:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 569.34 Mbit/s  
95th percentile per-packet one-way delay: 127.775 ms  
Loss rate: 1.53%  
-- Flow 1:  
Average throughput: 259.93 Mbit/s  
95th percentile per-packet one-way delay: 152.478 ms  
Loss rate: 2.20%  
-- Flow 2:  
Average throughput: 346.78 Mbit/s  
95th percentile per-packet one-way delay: 72.832 ms  
Loss rate: 0.72%  
-- Flow 3:  
Average throughput: 256.69 Mbit/s  
95th percentile per-packet one-way delay: 69.986 ms  
Loss rate: 1.59%
Run 2: Report of Muses

Decision Tree H0 — Data Link

![Graph showing network performance metrics]

- Flow 1 ingress (mean 265.06 Mbit/s)
- Flow 1 egress (mean 259.93 Mbit/s)
- Flow 2 ingress (mean 347.11 Mbit/s)
- Flow 2 egress (mean 346.78 Mbit/s)
- Flow 3 ingress (mean 257.22 Mbit/s)
- Flow 3 egress (mean 256.69 Mbit/s)

![Graph showing packet delay]

- Flow 1 (95th percentile 152.48 ms)
- Flow 2 (95th percentile 72.83 ms)
- Flow 3 (95th percentile 69.99 ms)
Run 3: Statistics of Muses\_DecisionTreeH0

Local clock offset: -0.033 ms
Remote clock offset: -0.203 ms

# Below is generated by plot.py at 2019-08-27 14:28:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 610.09 Mbit/s
95th percentile per-packet one-way delay: 102.570 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 358.19 Mbit/s
95th percentile per-packet one-way delay: 97.994 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 276.52 Mbit/s
95th percentile per-packet one-way delay: 122.221 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 225.07 Mbit/s
95th percentile per-packet one-way delay: 98.563 ms
Loss rate: 1.20%
Run 3: Report of Muses_DecisionTreeH0 — Data Link

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

- **Throughput**: Graphs show the throughput for different flows, with mean values ranging from 224.81 Mbit/s to 358.19 Mbit/s.
- **Packet Delay**: Graphs show the packet delay for different flows, with 95th percentile delays ranging from 97.99 ms to 122.22 ms.

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Run 4: Statistics of Muses\_DecisionTreeH0

Start at: 2019-08-27 11:36:16
End at: 2019-08-27 11:36:46
Local clock offset: 0.125 ms
Remote clock offset: -0.485 ms

# Below is generated by plot.py at 2019-08-27 14:30:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 643.39 Mbit/s
95th percentile per-packet one-way delay: 97.527 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 333.47 Mbit/s
95th percentile per-packet one-way delay: 111.910 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 334.00 Mbit/s
95th percentile per-packet one-way delay: 67.253 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 283.49 Mbit/s
95th percentile per-packet one-way delay: 69.275 ms
Loss rate: 1.70%
Run 4: Report of Muses_DocumentTreeH0 — Data Link

[Graph showing throughput and packet delay over time for different flows]

- Flow 1 ingress (mean 332.39 Mbit/s)
- Flow 1 egress (mean 333.47 Mbit/s)
- Flow 2 ingress (mean 333.74 Mbit/s)
- Flow 2 egress (mean 334.00 Mbit/s)
- Flow 3 ingress (mean 284.58 Mbit/s)
- Flow 3 egress (mean 283.49 Mbit/s)

[Graph showing packet delay over time for different flows]

- Flow 1 (95th percentile 111.91 ms)
- Flow 2 (95th percentile 67.25 ms)
- Flow 3 (95th percentile 69.28 ms)
Run 5: Statistics of Muses\_DecisionTreeH0

Start at: 2019-08-27 12:17:02
End at: 2019-08-27 12:17:32
Local clock offset: -0.071 ms
Remote clock offset: -0.624 ms

# Below is generated by plot.py at 2019-08-27 14:30:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 595.84 Mbit/s
95th percentile per-packet one-way delay: 98.316 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 334.44 Mbit/s
95th percentile per-packet one-way delay: 104.800 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 304.56 Mbit/s
95th percentile per-packet one-way delay: 84.775 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 193.55 Mbit/s
95th percentile per-packet one-way delay: 96.123 ms
Loss rate: 0.77%
Run 5: Report of Muses_DecisionTreeH0 — Data Link
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-08-27 09:31:54
End at: 2019-08-27 09:32:24
Local clock offset: 0.006 ms
Remote clock offset: 0.795 ms

# Below is generated by plot.py at 2019-08-27 14:31:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 689.17 Mbit/s
95th percentile per-packet one-way delay: 68.951 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 428.28 Mbit/s
95th percentile per-packet one-way delay: 69.552 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 341.64 Mbit/s
95th percentile per-packet one-way delay: 67.899 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 113.76 Mbit/s
95th percentile per-packet one-way delay: 62.831 ms
Loss rate: 2.46%
Run 1: Report of Muses_DecisionTreeR0 — Data Link
Run 2: Statistics of Muses\_DecisionTreeR0

Start at: 2019-08-27 10:12:35  
End at: 2019-08-27 10:13:05  
Local clock offset: -0.156 ms  
Remote clock offset: -0.354 ms

# Below is generated by plot.py at 2019-08-27 14:33:10  
# Datalink statistics  
-- Total of 3 flows:  
  Average throughput: 676.51 Mbit/s  
  95th percentile per-packet one-way delay: 65.087 ms  
  Loss rate: 0.42%  
-- Flow 1:  
  Average throughput: 408.31 Mbit/s  
  95th percentile per-packet one-way delay: 66.099 ms  
  Loss rate: 0.19%  
-- Flow 2:  
  Average throughput: 298.41 Mbit/s  
  95th percentile per-packet one-way delay: 64.489 ms  
  Loss rate: 0.39%  
-- Flow 3:  
  Average throughput: 231.48 Mbit/s  
  95th percentile per-packet one-way delay: 62.516 ms  
  Loss rate: 1.76%
Run 3: Statistics of Muses\_DecisionTreeR0

Start at: 2019-08-27 10:53:22
End at: 2019-08-27 10:53:52
Local clock offset: -0.001 ms
Remote clock offset: -0.234 ms

# Below is generated by plot.py at 2019-08-27 14:34:08
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 717.05 Mbit/s
  95th percentile per-packet one-way delay: 69.114 ms
  Loss rate: 0.46%
-- Flow 1:
  Average throughput: 425.65 Mbit/s
  95th percentile per-packet one-way delay: 70.817 ms
  Loss rate: 0.35%
-- Flow 2:
  Average throughput: 328.53 Mbit/s
  95th percentile per-packet one-way delay: 65.243 ms
  Loss rate: 0.32%
-- Flow 3:
  Average throughput: 235.21 Mbit/s
  95th percentile per-packet one-way delay: 62.161 ms
  Loss rate: 1.43%
Run 3: Report of Muses_DecisionTreeR0 — Data Link
Run 4: Statistics of Muses\_DecisionTreeR0

Start at: 2019-08-27 11:34:32
End at: 2019-08-27 11:35:02
Local clock offset: 0.124 ms
Remote clock offset: -0.651 ms

# Below is generated by plot.py at 2019-08-27 14:34:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 598.17 Mbit/s
95th percentile per-packet one-way delay: 74.694 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 333.32 Mbit/s
95th percentile per-packet one-way delay: 77.463 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 311.54 Mbit/s
95th percentile per-packet one-way delay: 69.130 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 191.45 Mbit/s
95th percentile per-packet one-way delay: 62.749 ms
Loss rate: 1.87%
Run 4: Report of Muses_DecisionTreeR0 — Data Link
Run 5: Statistics of Muses\_DecisionTreeR0

Start at: 2019-08-27 12:15:15
End at: 2019-08-27 12:15:45
Local clock offset: -0.06 ms
Remote clock offset: 0.047 ms

# Below is generated by plot.py at 2019-08-27 14:36:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 662.59 Mbit/s
95th percentile per-packet one-way delay: 72.208 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 378.91 Mbit/s
95th percentile per-packet one-way delay: 76.395 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 321.89 Mbit/s
95th percentile per-packet one-way delay: 64.962 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 227.33 Mbit/s
95th percentile per-packet one-way delay: 64.714 ms
Loss rate: 1.62%
Run 5: Report of Muses_DecisionTreeR0 — Data Link
Run 1: Statistics of PCC-Allegro

Start at: 2019-08-27 09:07:12
End at: 2019-08-27 09:07:42
Local clock offset: -0.052 ms
Remote clock offset: -0.286 ms

# Below is generated by plot.py at 2019-08-27 14:52:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 668.88 Mbit/s
95th percentile per-packet one-way delay: 189.620 ms
Loss rate: 3.19%
-- Flow 1:
Average throughput: 381.66 Mbit/s
95th percentile per-packet one-way delay: 208.493 ms
Loss rate: 3.90%
-- Flow 2:
Average throughput: 303.26 Mbit/s
95th percentile per-packet one-way delay: 177.694 ms
Loss rate: 2.44%
-- Flow 3:
Average throughput: 263.62 Mbit/s
95th percentile per-packet one-way delay: 113.662 ms
Loss rate: 1.77%
Run 1: Report of PCC-Allegro — Data Link
Run 2: Statistics of PCC-Allegro

Start at: 2019-08-27 09:47:48
End at: 2019-08-27 09:48:18
Local clock offset: -0.087 ms
Remote clock offset: -0.353 ms

# Below is generated by plot.py at 2019-08-27 14:52:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 649.44 Mbit/s
95th percentile per-packet one-way delay: 210.687 ms
Loss rate: 4.09%
-- Flow 1:
Average throughput: 393.14 Mbit/s
95th percentile per-packet one-way delay: 201.521 ms
Loss rate: 5.26%
-- Flow 2:
Average throughput: 267.16 Mbit/s
95th percentile per-packet one-way delay: 249.026 ms
Loss rate: 2.61%
-- Flow 3:
Average throughput: 247.58 Mbit/s
95th percentile per-packet one-way delay: 147.893 ms
Loss rate: 1.50%
Run 2: Report of PCC-Allegro — Data Link
Run 3: Statistics of PCC-Allegro

Start at: 2019-08-27 10:28:15
End at: 2019-08-27 10:28:45
Local clock offset: -0.146 ms
Remote clock offset: -0.702 ms

# Below is generated by plot.py at 2019-08-27 14:56:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 740.51 Mbit/s
95th percentile per-packet one-way delay: 179.898 ms
Loss rate: 2.76%
-- Flow 1:
Average throughput: 428.12 Mbit/s
95th percentile per-packet one-way delay: 178.196 ms
Loss rate: 3.05%
-- Flow 2:
Average throughput: 355.81 Mbit/s
95th percentile per-packet one-way delay: 183.383 ms
Loss rate: 2.63%
-- Flow 3:
Average throughput: 234.41 Mbit/s
95th percentile per-packet one-way delay: 111.761 ms
Loss rate: 1.47%
Run 3: Report of PCC-Allegro — Data Link
Run 4: Statistics of PCC-Allegro

Start at: 2019-08-27 11:09:20
End at: 2019-08-27 11:09:50
Local clock offset: 0.087 ms
Remote clock offset: 0.125 ms

# Below is generated by plot.py at 2019-08-27 14:58:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 743.17 Mbit/s
95th percentile per-packet one-way delay: 206.225 ms
Loss rate: 9.89%
-- Flow 1:
Average throughput: 403.02 Mbit/s
95th percentile per-packet one-way delay: 204.720 ms
Loss rate: 12.91%
-- Flow 2:
Average throughput: 390.69 Mbit/s
95th percentile per-packet one-way delay: 219.516 ms
Loss rate: 7.33%
-- Flow 3:
Average throughput: 248.49 Mbit/s
95th percentile per-packet one-way delay: 150.974 ms
Loss rate: 1.57%
Run 4: Report of PCC-Allegro — Data Link
Run 5: Statistics of PCC-Allegro

Start at: 2019-08-27 11:50:23
End at: 2019-08-27 11:50:53
Local clock offset: 0.165 ms
Remote clock offset: -0.366 ms

# Below is generated by plot.py at 2019-08-27 14:58:37
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 590.09 Mbit/s
  95th percentile per-packet one-way delay: 157.795 ms
  Loss rate: 1.23%
-- Flow 1:
  Average throughput: 333.05 Mbit/s
  95th percentile per-packet one-way delay: 162.918 ms
  Loss rate: 0.46%
-- Flow 2:
  Average throughput: 262.43 Mbit/s
  95th percentile per-packet one-way delay: 123.258 ms
  Loss rate: 2.10%
-- Flow 3:
  Average throughput: 254.64 Mbit/s
  95th percentile per-packet one-way delay: 156.221 ms
  Loss rate: 2.45%
Run 5: Report of PCC-Allegro — Data Link

![Graph 1: Throughput (Mbps)]

- Flow 1 ingress (mean 333.24 Mbps)
- Flow 1 egress (mean 333.05 Mbps)
- Flow 2 ingress (mean 266.44 Mbps)
- Flow 2 egress (mean 262.43 Mbps)
- Flow 3 ingress (mean 257.87 Mbps)
- Flow 3 egress (mean 254.64 Mbps)

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

- Flow 1 (95th percentile 162.92 ms)
- Flow 2 (95th percentile 123.26 ms)
- Flow 3 (95th percentile 156.22 ms)
Run 1: Statistics of PCC-Expr

Start at: 2019-08-27 08:56:46
End at: 2019-08-27 08:57:16
Local clock offset: -0.075 ms
Remote clock offset: -0.23 ms

# Below is generated by plot.py at 2019-08-27 14:58:37
# Datalink statistics
# Total of 3 flows:
Average throughput: 487.33 Mbit/s
95th percentile per-packet one-way delay: 167.696 ms
Loss rate: 1.97%

-- Flow 1:
Average throughput: 297.18 Mbit/s
95th percentile per-packet one-way delay: 178.245 ms
Loss rate: 2.53%

-- Flow 2:
Average throughput: 195.55 Mbit/s
95th percentile per-packet one-way delay: 66.605 ms
Loss rate: 0.80%

-- Flow 3:
Average throughput: 184.86 Mbit/s
95th percentile per-packet one-way delay: 65.917 ms
Loss rate: 1.67%
Run 1: Report of PCC-Expr — Data Link
Run 2: Statistics of PCC-Expr

Start at: 2019-08-27 09:37:18
End at: 2019-08-27 09:37:48
Local clock offset: -0.043 ms
Remote clock offset: 0.075 ms

# Below is generated by plot.py at 2019-08-27 14:58:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 451.63 Mbit/s
95th percentile per-packet one-way delay: 155.471 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 250.57 Mbit/s
95th percentile per-packet one-way delay: 168.367 ms
Loss rate: 1.59%
-- Flow 2:
Average throughput: 218.17 Mbit/s
95th percentile per-packet one-way delay: 83.219 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 172.32 Mbit/s
95th percentile per-packet one-way delay: 67.651 ms
Loss rate: 1.42%
Run 2: Report of PCC-Expr — Data Link

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

![Graph 2: Per-Packet One-Way Delay vs Time](image)
Run 3: Statistics of PCC-Expr

Start at: 2019-08-27 10:17:59
End at: 2019-08-27 10:18:29
Local clock offset: -0.173 ms
Remote clock offset: -0.68 ms

# Below is generated by plot.py at 2019-08-27 14:58:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 407.92 Mbit/s
95th percentile per-packet one-way delay: 170.228 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 279.70 Mbit/s
95th percentile per-packet one-way delay: 173.168 ms
Loss rate: 1.27%
-- Flow 2:
Average throughput: 132.25 Mbit/s
95th percentile per-packet one-way delay: 176.010 ms
Loss rate: 2.84%
-- Flow 3:
Average throughput: 123.75 Mbit/s
95th percentile per-packet one-way delay: 61.253 ms
Loss rate: 2.31%
Run 3: Report of PCC-Expr — Data Link
Run 4: Statistics of PCC-Expr

Start at: 2019-08-27 10:58:50
End at: 2019-08-27 10:59:20
Local clock offset: 0.019 ms
Remote clock offset: -0.071 ms

# Below is generated by plot.py at 2019-08-27 15:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 455.62 Mbit/s
95th percentile per-packet one-way delay: 186.775 ms
Loss rate: 4.75%
-- Flow 1:
Average throughput: 233.01 Mbit/s
95th percentile per-packet one-way delay: 212.740 ms
Loss rate: 5.02%
-- Flow 2:
Average throughput: 247.18 Mbit/s
95th percentile per-packet one-way delay: 187.788 ms
Loss rate: 5.58%
-- Flow 3:
Average throughput: 179.12 Mbit/s
95th percentile per-packet one-way delay: 120.181 ms
Loss rate: 1.23%
Run 4: Report of PCC-Expr — Data Link
Run 5: Statistics of PCC-Expr

Start at: 2019-08-27 11:39:51
End at: 2019-08-27 11:40:21
Local clock offset: 0.131 ms
Remote clock offset: -0.153 ms

# Below is generated by plot.py at 2019-08-27 15:06:22
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 468.73 Mbit/s
  95th percentile per-packet one-way delay: 120.750 ms
  Loss rate: 0.88%
-- Flow 1:
  Average throughput: 278.49 Mbit/s
  95th percentile per-packet one-way delay: 136.036 ms
  Loss rate: 0.76%
-- Flow 2:
  Average throughput: 189.67 Mbit/s
  95th percentile per-packet one-way delay: 66.784 ms
  Loss rate: 0.72%
-- Flow 3:
  Average throughput: 197.01 Mbit/s
  95th percentile per-packet one-way delay: 71.525 ms
  Loss rate: 1.69%
Run 5: Report of PCC-Expr — Data Link
Run 1: Statistics of QUIC Cubic

Start at: 2019-08-27 08:58:44
End at: 2019-08-27 08:59:14
Local clock offset: -0.075 ms
Remote clock offset: -0.281 ms

# Below is generated by plot.py at 2019-08-27 15:06:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.54 Mbit/s
95th percentile per-packet one-way delay: 62.593 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 43.70 Mbit/s
95th percentile per-packet one-way delay: 59.998 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 45.76 Mbit/s
95th percentile per-packet one-way delay: 60.096 ms
Loss rate: 1.33%
-- Flow 3:
Average throughput: 63.93 Mbit/s
95th percentile per-packet one-way delay: 62.813 ms
Loss rate: 0.14%
Run 2: Statistics of QUIC Cubic

Start at: 2019-08-27 09:39:13
End at: 2019-08-27 09:39:43
Local clock offset: -0.076 ms
Remote clock offset: 0.053 ms

# Below is generated by plot.py at 2019-08-27 15:06:22
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 102.13 Mbit/s
  95th percentile per-packet one-way delay: 62.877 ms
  Loss rate: 0.95%
-- Flow 1:
  Average throughput: 48.67 Mbit/s
  95th percentile per-packet one-way delay: 60.027 ms
  Loss rate: 0.83%
-- Flow 2:
  Average throughput: 52.65 Mbit/s
  95th percentile per-packet one-way delay: 59.990 ms
  Loss rate: 0.79%
-- Flow 3:
  Average throughput: 56.39 Mbit/s
  95th percentile per-packet one-way delay: 62.991 ms
  Loss rate: 1.58%
Run 2: Report of QUIC Cubic — Data Link

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

![Graph 2: Per-packet round-trip delay (ms)](image2)

- Flow 1 ingress (mean 48.87 Mbps)
- Flow 1 egress (mean 48.67 Mbps)
- Flow 2 ingress (mean 52.74 Mbps)
- Flow 2 egress (mean 52.65 Mbps)
- Flow 3 ingress (mean 56.57 Mbps)
- Flow 3 egress (mean 56.39 Mbps)

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Run 3: Statistics of QUIC Cubic

Start at: 2019-08-27 10:19:50
End at: 2019-08-27 10:20:20
Local clock offset: -0.136 ms
Remote clock offset: -0.677 ms

# Below is generated by plot.py at 2019-08-27 15:06:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.59 Mbit/s
95th percentile per-packet one-way delay: 60.363 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 48.53 Mbit/s
95th percentile per-packet one-way delay: 60.479 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 54.94 Mbit/s
95th percentile per-packet one-way delay: 60.231 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 20.17 Mbit/s
95th percentile per-packet one-way delay: 60.163 ms
Loss rate: 0.00%
Run 3: Report of QUIC Cubic — Data Link
Run 4: Statistics of QUIC Cubic

Start at: 2019-08-27 11:00:46
End at: 2019-08-27 11:01:16
Local clock offset: 0.016 ms
Remote clock offset: -0.691 ms

# Below is generated by plot.py at 2019-08-27 15:06:22
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 90.05 Mbit/s
  95th percentile per-packet one-way delay: 65.925 ms
  Loss rate: 0.69%
-- Flow 1:
  Average throughput: 58.87 Mbit/s
  95th percentile per-packet one-way delay: 60.986 ms
  Loss rate: 0.54%
-- Flow 2:
  Average throughput: 36.39 Mbit/s
  95th percentile per-packet one-way delay: 60.819 ms
  Loss rate: 1.17%
-- Flow 3:
  Average throughput: 21.39 Mbit/s
  95th percentile per-packet one-way delay: 66.079 ms
  Loss rate: 0.31%
Run 4: Report of QUIC Cubic — Data Link

![Graph showing throughput and packet one-way delay over time for different flows.

- Flow 1 ingress (mean 58.96 Mbit/s)
- Flow 1 egress (mean 58.87 Mbit/s)
- Flow 2 ingress (mean 36.60 Mbit/s)
- Flow 2 egress (mean 36.39 Mbit/s)
- Flow 3 ingress (mean 21.19 Mbit/s)
- Flow 3 egress (mean 21.39 Mbit/s)
Run 5: Statistics of QUIC Cubic

Start at: 2019-08-27 11:41:48
End at: 2019-08-27 11:42:18
Local clock offset: 0.165 ms
Remote clock offset: -0.178 ms

# Below is generated by plot.py at 2019-08-27 15:06:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.81 Mbit/s
95th percentile per-packet one-way delay: 60.185 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 53.87 Mbit/s
95th percentile per-packet one-way delay: 60.248 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 52.92 Mbit/s
95th percentile per-packet one-way delay: 59.931 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 17.64 Mbit/s
95th percentile per-packet one-way delay: 59.986 ms
Loss rate: 0.98%
Run 5: Report of QUIC Cubic — Data Link
Run 1: Statistics of SCReAM

Start at: 2019-08-27 09:22:05
End at: 2019-08-27 09:22:35
Local clock offset: -0.037 ms
Remote clock offset: -0.033 ms

# Below is generated by plot.py at 2019-08-27 15:06:22
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 0.43 Mbit/s
  95th percentile per-packet one-way delay: 63.274 ms
  Loss rate: 0.64%
-- Flow 1:
  Average throughput: 0.22 Mbit/s
  95th percentile per-packet one-way delay: 60.242 ms
  Loss rate: 0.38%
-- Flow 2:
  Average throughput: 0.22 Mbit/s
  95th percentile per-packet one-way delay: 60.236 ms
  Loss rate: 0.61%
-- Flow 3:
  Average throughput: 0.22 Mbit/s
  95th percentile per-packet one-way delay: 63.311 ms
  Loss rate: 1.45%
Run 1: Report of SCReAM — Data Link

![Graph 1](Run 1: Report of SCReAM — Data Link)
Run 2: Statistics of SCReAM

Start at: 2019-08-27 10:02:52
End at: 2019-08-27 10:03:22
Local clock offset: -0.128 ms
Remote clock offset: -0.122 ms

# Below is generated by plot.py at 2019-08-27 15:06:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 62.498 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.074 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.972 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.598 ms
Loss rate: 1.45%
Run 3: Statistics of SCReAM

Start at: 2019-08-27 10:43:30
End at: 2019-08-27 10:44:00
Local clock offset: -0.145 ms
Remote clock offset: -0.952 ms

# Below is generated by plot.py at 2019-08-27 15:06:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 63.438 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.812 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.488 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.676 ms
Loss rate: 1.08%
Run 3: Report of SCReAM — Data Link

![Throughput and Per-packet one-way delay plots for different flows and metrics.](image-url)
Run 4: Statistics of SCReAM

Start at: 2019-08-27 11:24:36
End at: 2019-08-27 11:25:06
Local clock offset: 0.084 ms
Remote clock offset: -0.059 ms

# Below is generated by plot.py at 2019-08-27 15:06:23
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 0.44 Mbit/s
  95th percentile per-packet one-way delay: 62.469 ms
  Loss rate: 0.57%
-- Flow 1:
  Average throughput: 0.22 Mbit/s
  95th percentile per-packet one-way delay: 62.497 ms
  Loss rate: 0.38%
-- Flow 2:
  Average throughput: 0.22 Mbit/s
  95th percentile per-packet one-way delay: 60.176 ms
  Loss rate: 0.61%
-- Flow 3:
  Average throughput: 0.22 Mbit/s
  95th percentile per-packet one-way delay: 60.145 ms
  Loss rate: 1.08%
Run 4: Report of SCReAM — Data Link

![Graph showing Throughput (Mbps) over time for different flows]

- **Flow 1 ingress (mean 0.22 Mbps)**
- **Flow 1 egress (mean 0.22 Mbps)**
- **Flow 2 ingress (mean 0.22 Mbps)**
- **Flow 2 egress (mean 0.22 Mbps)**
- **Flow 3 ingress (mean 0.22 Mbps)**
- **Flow 3 egress (mean 0.22 Mbps)**

![Graph showing Per-packet one-way delay (ms) over time for different flows]

- **Flow 1 (95th percentile 62.50 ms)**
- **Flow 2 (95th percentile 60.18 ms)**
- **Flow 3 (95th percentile 60.15 ms)**

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Run 5: Statistics of SCReAM

Start at: 2019-08-27 12:05:28
End at: 2019-08-27 12:05:58
Local clock offset: 0.001 ms
Remote clock offset: -0.001 ms

# Below is generated by plot.py at 2019-08-27 15:06:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 63.486 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.373 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.552 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.101 ms
Loss rate: 1.45%
Run 5: Report of SCReAM — Data Link

Run 5: Report of SCReAM — Data Link

Run 5: Report of SCReAM — Data Link

Run 5: Report of SCReAM — Data Link

Run 5: Report of SCReAM — Data Link

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Run 5: Report of SCReAM — Data Link

Run 5: Report of SCReAM — Data Link
Run 1: Statistics of Sprout

Start at: 2019-08-27 09:19:38
End at: 2019-08-27 09:20:08
Local clock offset: -0.006 ms
Remote clock offset: -0.676 ms

# Below is generated by plot.py at 2019-08-27 15:06:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.48 Mbit/s
95th percentile per-packet one-way delay: 61.349 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 6.90 Mbit/s
95th percentile per-packet one-way delay: 61.249 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.65 Mbit/s
95th percentile per-packet one-way delay: 61.367 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 6.64 Mbit/s
95th percentile per-packet one-way delay: 61.512 ms
Loss rate: 1.53%
Run 1: Report of Sprout — Data Link
Run 2: Statistics of Sprout

Start at: 2019-08-27 10:00:26
End at: 2019-08-27 10:00:56
Local clock offset: -0.154 ms
Remote clock offset: -0.125 ms

# Below is generated by plot.py at 2019-08-27 15:06:23
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 13.45 Mbit/s
  95th percentile per-packet one-way delay: 63.261 ms
  Loss rate: 0.76%
-- Flow 1:
  Average throughput: 7.04 Mbit/s
  95th percentile per-packet one-way delay: 60.869 ms
  Loss rate: 0.48%
-- Flow 2:
  Average throughput: 6.64 Mbit/s
  95th percentile per-packet one-way delay: 63.456 ms
  Loss rate: 0.78%
-- Flow 3:
  Average throughput: 6.32 Mbit/s
  95th percentile per-packet one-way delay: 60.658 ms
  Loss rate: 1.70%
Run 2: Report of Sprout — Data Link

Throughput (Mbps):

- Flow 1 ingress (mean 7.05 Mbps)
- Flow 1 egress (mean 7.04 Mbps)
- Flow 2 ingress (mean 6.65 Mbps)
- Flow 2 egress (mean 6.64 Mbps)
- Flow 3 ingress (mean 6.34 Mbps)
- Flow 3 egress (mean 6.32 Mbps)

Delay (ms):

- Flow 1 (95th percentile 60.87 ms)
- Flow 2 (95th percentile 63.48 ms)
- Flow 3 (95th percentile 60.66 ms)
Run 3: Statistics of Sprout

Start at: 2019-08-27 10:41:04
End at: 2019-08-27 10:41:34
Local clock offset: -0.175 ms
Remote clock offset: -0.056 ms

# Below is generated by plot.py at 2019-08-27 15:06:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.75 Mbit/s
95th percentile per-packet one-way delay: 62.076 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 6.99 Mbit/s
95th percentile per-packet one-way delay: 62.263 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 6.95 Mbit/s
95th percentile per-packet one-way delay: 60.035 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 6.58 Mbit/s
95th percentile per-packet one-way delay: 59.769 ms
Loss rate: 1.53%
Run 3: Report of Sprout — Data Link

![Graph showing throughput and per-packet one-way delay for different flows.]

**Throughput (Mbps):**
- Flow 1 ingress: 7.00 Mbps (mean)
- Flow 1 egress: 6.99 Mbps
- Flow 2 ingress: 6.96 Mbps
- Flow 2 egress: 6.95 Mbps
- Flow 3 ingress: 6.59 Mbps
- Flow 3 egress: 6.58 Mbps

**Per-packet one-way delay (ms):**
- Flow 1 (95th percentile: 62.26 ms)
- Flow 2 (95th percentile: 60.03 ms)
- Flow 3 (95th percentile: 59.77 ms)
Run 4: Statistics of Sprout

Start at: 2019-08-27 11:22:10
End at: 2019-08-27 11:22:40
Local clock offset: 0.038 ms
Remote clock offset: 0.028 ms

# Below is generated by plot.py at 2019-08-27 15:06:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.84 Mbit/s
95th percentile per-packet one-way delay: 60.953 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 7.05 Mbit/s
95th percentile per-packet one-way delay: 60.741 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 6.97 Mbit/s
95th percentile per-packet one-way delay: 61.245 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 6.63 Mbit/s
95th percentile per-packet one-way delay: 60.283 ms
Loss rate: 1.78%
Run 4: Report of Sprout — Data Link
Run 5: Statistics of Sprout

Start at: 2019-08-27 12:03:01
End at: 2019-08-27 12:03:31
Local clock offset: 0.001 ms
Remote clock offset: 0.037 ms

# Below is generated by plot.py at 2019-08-27 15:06:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.62 Mbit/s
95th percentile per-packet one-way delay: 61.208 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 6.96 Mbit/s
95th percentile per-packet one-way delay: 60.949 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 6.91 Mbit/s
95th percentile per-packet one-way delay: 61.596 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 6.31 Mbit/s
95th percentile per-packet one-way delay: 60.985 ms
Loss rate: 1.58%
Run 5: Report of Sprout — Data Link

![Graph of Throughput vs. Time]

- **Throughput (Mbit/s)**
  - Time (s)
  - Flow 1 ingress (mean 6.98 Mbit/s)
  - Flow 1 egress (mean 6.96 Mbit/s)
  - Flow 2 ingress (mean 6.91 Mbit/s)
  - Flow 2 egress (mean 6.91 Mbit/s)
  - Flow 3 ingress (mean 6.32 Mbit/s)
  - Flow 3 egress (mean 6.31 Mbit/s)

![Graph of Per-packet End-to-End Delay vs. Time]

- **Per-packet End-to-End Delay (ms)**
  - Time (s)
  - Flow 1 (95th percentile 60.95 ms)
  - Flow 2 (95th percentile 61.60 ms)
  - Flow 3 (95th percentile 60.98 ms)
Run 1: Statistics of TaoVA-100x

Start at: 2019-08-27 09:09:09
End at: 2019-08-27 09:09:39
Local clock offset: -0.031 ms
Remote clock offset: -0.199 ms

# Below is generated by plot.py at 2019-08-27 15:11:06
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 439.61 Mbit/s
  95th percentile per-packet one-way delay: 66.319 ms
  Loss rate: 0.57%
-- Flow 1:
  Average throughput: 231.47 Mbit/s
  95th percentile per-packet one-way delay: 61.168 ms
  Loss rate: 0.33%
-- Flow 2:
  Average throughput: 212.66 Mbit/s
  95th percentile per-packet one-way delay: 70.828 ms
  Loss rate: 0.64%
-- Flow 3:
  Average throughput: 203.04 Mbit/s
  95th percentile per-packet one-way delay: 63.600 ms
  Loss rate: 1.27%
Run 1: Report of TaoVA-100x — Data Link

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

- Flow 1 ingress (mean 231.28 Mbit/s)
- Flow 1 egress (mean 231.47 Mbit/s)
- Flow 2 ingress (mean 212.68 Mbit/s)
- Flow 2 egress (mean 212.66 Mbit/s)
- Flow 3 ingress (mean 203.08 Mbit/s)
- Flow 3 egress (mean 203.04 Mbit/s)

![Graph showing per-packet round-trip delay for different flows over time.]

- Flow 1 (95th percentile 61.17 ms)
- Flow 2 (95th percentile 70.83 ms)
- Flow 3 (95th percentile 63.60 ms)
Run 2: Statistics of TaoVA-100x

Start at: 2019-08-27 09:49:45
End at: 2019-08-27 09:50:15
Local clock offset: -0.127 ms
Remote clock offset: 0.393 ms

# Below is generated by plot.py at 2019-08-27 15:11:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 431.91 Mbit/s
95th percentile per-packet one-way delay: 67.268 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 223.96 Mbit/s
95th percentile per-packet one-way delay: 68.008 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 211.76 Mbit/s
95th percentile per-packet one-way delay: 66.275 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 203.91 Mbit/s
95th percentile per-packet one-way delay: 64.290 ms
Loss rate: 1.41%
Run 2: Report of TaoVA-100x — Data Link

![Graph of Throughput (Mbps) over time]

- Flow 1 ingress (mean 223.83 Mbps)
- Flow 1 egress (mean 223.96 Mbps)
- Flow 2 ingress (mean 211.06 Mbps)
- Flow 2 egress (mean 211.76 Mbps)
- Flow 3 ingress (mean 204.23 Mbps)
- Flow 3 egress (mean 203.91 Mbps)

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

- Flow 1 (95th percentile 68.01 ms)
- Flow 2 (95th percentile 66.28 ms)
- Flow 3 (95th percentile 64.29 ms)
Run 3: Statistics of TaoVA-100x

Start at: 2019-08-27 10:30:16
End at: 2019-08-27 10:30:46
Local clock offset: -0.144 ms
Remote clock offset: -0.934 ms

# Below is generated by plot.py at 2019-08-27 15:11:06
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 414.38 Mbit/s
  95th percentile per-packet one-way delay: 68.142 ms
  Loss rate: 0.71%
-- Flow 1:
  Average throughput: 221.40 Mbit/s
  95th percentile per-packet one-way delay: 65.763 ms
  Loss rate: 0.45%
-- Flow 2:
  Average throughput: 204.32 Mbit/s
  95th percentile per-packet one-way delay: 65.967 ms
  Loss rate: 0.74%
-- Flow 3:
  Average throughput: 173.72 Mbit/s
  95th percentile per-packet one-way delay: 76.832 ms
  Loss rate: 1.63%
Run 3: Report of TaoVA-100x — Data Link

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

Throughput (Mbps)

Time (s)

Flow 1 ingress (mean 221.48 Mbps)  Flow 1 egress (mean 221.40 Mbps)
Flow 2 ingress (mean 204.58 Mbps)  Flow 2 egress (mean 204.32 Mbps)
Flow 3 ingress (mean 174.40 Mbps)  Flow 3 egress (mean 173.72 Mbps)

Per packet one way delay (ms)

Time (s)

Flow 1 (95th percentile 65.76 ms)  Flow 2 (95th percentile 65.97 ms)  Flow 3 (95th percentile 76.83 ms)

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Run 4: Statistics of TaoVA-100x

Start at: 2019-08-27 11:11:24
End at: 2019-08-27 11:11:54
Local clock offset: 0.043 ms
Remote clock offset: 0.151 ms

# Below is generated by plot.py at 2019-08-27 15:11:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 436.29 Mbit/s
95th percentile per-packet one-way delay: 63.536 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 224.02 Mbit/s
95th percentile per-packet one-way delay: 62.690 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 210.19 Mbit/s
95th percentile per-packet one-way delay: 64.987 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 220.40 Mbit/s
95th percentile per-packet one-way delay: 63.244 ms
Loss rate: 1.29%
Run 4: Report of TaoVA-100x — Data Link

- Throughput Trajectories
  - Flow 1 Ingress (mean 223.97 Mbps)
  - Flow 1 Egress (mean 224.02 Mbps)
  - Flow 2 Ingress (mean 210.39 Mbps)
  - Flow 2 Egress (mean 210.19 Mbps)
  - Flow 3 Ingress (mean 220.59 Mbps)
  - Flow 3 Egress (mean 220.40 Mbps)

- Per-packet one-way delay
  - Flow 1 (95th percentile 62.69 ms)
  - Flow 2 (95th percentile 64.99 ms)
  - Flow 3 (95th percentile 63.24 ms)
Run 5: Statistics of TaoVA-100x

Start at: 2019-08-27 11:52:15
End at: 2019-08-27 11:52:45
Local clock offset: 0.13 ms
Remote clock offset: -0.047 ms

# Below is generated by plot.py at 2019-08-27 15:12:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 423.90 Mbit/s
95th percentile per-packet one-way delay: 65.021 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 214.18 Mbit/s
95th percentile per-packet one-way delay: 65.538 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 220.42 Mbit/s
95th percentile per-packet one-way delay: 62.181 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 191.72 Mbit/s
95th percentile per-packet one-way delay: 65.164 ms
Loss rate: 1.46%
Run 5: Report of TaoVA-100x — Data Link
Run 1: Statistics of TCP Vegas

Start at: 2019-08-27 08:54:54
End at: 2019-08-27 08:55:24
Local clock offset: -0.099 ms
Remote clock offset: -0.001 ms

# Below is generated by plot.py at 2019-08-27 15:13:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 785.00 Mbit/s
95th percentile per-packet one-way delay: 89.728 ms
Loss rate: 0.61%
-- Flow 1:
   Average throughput: 363.47 Mbit/s
   95th percentile per-packet one-way delay: 66.788 ms
   Loss rate: 0.39%
-- Flow 2:
   Average throughput: 439.04 Mbit/s
   95th percentile per-packet one-way delay: 70.549 ms
   Loss rate: 0.56%
-- Flow 3:
   Average throughput: 393.49 Mbit/s
   95th percentile per-packet one-way delay: 118.620 ms
   Loss rate: 1.36%
Run 1: Report of TCP Vegas — Data Link

![Graph showing TCP Vegas data link]
Run 2: Statistics of TCP Vegas

Start at: 2019-08-27 09:35:24
End at: 2019-08-27 09:35:54
Local clock offset: -0.028 ms
Remote clock offset: 0.201 ms

# Below is generated by plot.py at 2019-08-27 15:24:01
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 828.85 Mbit/s
  95th percentile per-packet one-way delay: 78.952 ms
  Loss rate: 0.58%
  -- Flow 1:
    Average throughput: 433.05 Mbit/s
    95th percentile per-packet one-way delay: 82.372 ms
    Loss rate: 0.45%
  -- Flow 2:
    Average throughput: 397.67 Mbit/s
    95th percentile per-packet one-way delay: 69.760 ms
    Loss rate: 0.36%
  -- Flow 3:
    Average throughput: 398.48 Mbit/s
    95th percentile per-packet one-way delay: 83.727 ms
    Loss rate: 1.45%
Run 2: Report of TCP Vegas — Data Link
Run 3: Statistics of TCP Vegas

Start at: 2019-08-27 10:16:03
End at: 2019-08-27 10:16:33
Local clock offset: -0.147 ms
Remote clock offset: -0.383 ms

# Below is generated by plot.py at 2019-08-27 15:25:19
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 843.66 Mbit/s
  95th percentile per-packet one-way delay: 97.687 ms
  Loss rate: 0.67%
-- Flow 1:
  Average throughput: 438.24 Mbit/s
  95th percentile per-packet one-way delay: 88.729 ms
  Loss rate: 0.45%
-- Flow 2:
  Average throughput: 411.60 Mbit/s
  95th percentile per-packet one-way delay: 83.969 ms
  Loss rate: 0.36%
-- Flow 3:
  Average throughput: 400.30 Mbit/s
  95th percentile per-packet one-way delay: 156.162 ms
  Loss rate: 2.07%
Run 3: Report of TCP Vegas — Data Link

![Graph of Throughput vs Time](image1)

- Flow 1 ingress (mean 438.39 Mbit/s)
- Flow 1 egress (mean 438.24 Mbit/s)
- Flow 2 ingress (mean 410.45 Mbit/s)
- Flow 2 egress (mean 411.60 Mbit/s)
- Flow 3 ingress (mean 403.70 Mbit/s)
- Flow 3 egress (mean 400.30 Mbit/s)

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

- Flow 1 (95th percentile 88.73 ms)
- Flow 2 (95th percentile 83.97 ms)
- Flow 3 (95th percentile 154.16 ms)
Run 4: Statistics of TCP Vegas

Start at: 2019-08-27 10:56:54
End at: 2019-08-27 10:57:24
Local clock offset: 0.006 ms
Remote clock offset: -0.169 ms

# Below is generated by plot.py at 2019-08-27 15:30:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 868.05 Mbit/s
95th percentile per-packet one-way delay: 90.854 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 445.96 Mbit/s
95th percentile per-packet one-way delay: 76.218 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 430.80 Mbit/s
95th percentile per-packet one-way delay: 76.233 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 411.55 Mbit/s
95th percentile per-packet one-way delay: 105.353 ms
Loss rate: 1.42%
Run 4: Report of TCP Vegas — Data Link

[Graph showing throughput and per-packet one-way delay]
Run 5: Statistics of TCP Vegas

Start at: 2019-08-27 11:38:01
End at: 2019-08-27 11:38:31
Local clock offset: 0.201 ms
Remote clock offset: -0.129 ms

# Below is generated by plot.py at 2019-08-27 15:30:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 726.92 Mbit/s
95th percentile per-packet one-way delay: 78.217 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 365.56 Mbit/s
95th percentile per-packet one-way delay: 65.671 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 358.66 Mbit/s
95th percentile per-packet one-way delay: 78.155 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 372.85 Mbit/s
95th percentile per-packet one-way delay: 92.032 ms
Loss rate: 0.77%
Run 5: Report of TCP Vegas — Data Link
Run 1: Statistics of Verus

Start at: 2019-08-27 09:11:03  
End at: 2019-08-27 09:11:33  
Local clock offset: -0.058 ms  
Remote clock offset: -0.045 ms

# Below is generated by plot.py at 2019-08-27 15:30:03
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 247.64 Mbit/s
  95th percentile per-packet one-way delay: 144.000 ms
  Loss rate: 0.57%
-- Flow 1:
  Average throughput: 136.81 Mbit/s
  95th percentile per-packet one-way delay: 173.597 ms
  Loss rate: 0.70%
-- Flow 2:
  Average throughput: 136.86 Mbit/s
  95th percentile per-packet one-way delay: 103.575 ms
  Loss rate: 0.49%
-- Flow 3:
  Average throughput: 60.39 Mbit/s
  95th percentile per-packet one-way delay: 64.380 ms
  Loss rate: 0.00%
Run 1: Report of Verus — Data Link

The diagrams show the throughput and round-trip latency of data flows over time. The graphs illustrate the performance metrics for different data flows, with each flow's ingress and egress speeds plotted over time. The throughput graphs display the data rate at which data is transmitted, while the round-trip latency graphs show the delay in packet transmission for each flow.
Run 2: Statistics of Verus

Start at: 2019-08-27 09:51:38
End at: 2019-08-27 09:52:08
Local clock offset: -0.136 ms
Remote clock offset: 0.52 ms

# Below is generated by plot.py at 2019-08-27 15:30:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 198.60 Mbit/s
95th percentile per-packet one-way delay: 111.790 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 105.56 Mbit/s
95th percentile per-packet one-way delay: 123.300 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 96.78 Mbit/s
95th percentile per-packet one-way delay: 90.482 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 90.10 Mbit/s
95th percentile per-packet one-way delay: 71.846 ms
Loss rate: 1.55%
Run 2: Report of Verus — Data Link

![Graph showing network traffic and delay](image-url)
Run 3: Statistics of Verus

Start at: 2019-08-27 10:32:08
End at: 2019-08-27 10:32:38
Local clock offset: -0.167 ms
Remote clock offset: -0.822 ms

# Below is generated by plot.py at 2019-08-27 15:30:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 245.33 Mbit/s
95th percentile per-packet one-way delay: 120.917 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 144.52 Mbit/s
95th percentile per-packet one-way delay: 125.048 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 120.42 Mbit/s
95th percentile per-packet one-way delay: 120.176 ms
Loss rate: 1.58%
-- Flow 3:
Average throughput: 66.19 Mbit/s
95th percentile per-packet one-way delay: 73.874 ms
Loss rate: 1.46%
Run 3: Report of Verus — Data Link

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

- Flow 1 ingress (mean 144.25 Mbit/s)
- Flow 1 egress (mean 144.52 Mbit/s)
- Flow 2 ingress (mean 121.61 Mbit/s)
- Flow 2 egress (mean 120.42 Mbit/s)
- Flow 3 ingress (mean 66.35 Mbit/s)
- Flow 3 egress (mean 66.19 Mbit/s)
Run 4: Statistics of Verus

Start at: 2019-08-27 11:13:17
End at: 2019-08-27 11:13:47
Local clock offset: 0.043 ms
Remote clock offset: -0.08 ms

# Below is generated by plot.py at 2019-08-27 15:30:03
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 226.21 Mbit/s
  95th percentile per-packet one-way delay: 117.001 ms
  Loss rate: 0.45%
-- Flow 1:
  Average throughput: 156.04 Mbit/s
  95th percentile per-packet one-way delay: 126.798 ms
  Loss rate: 0.19%
-- Flow 2:
  Average throughput: 68.84 Mbit/s
  95th percentile per-packet one-way delay: 74.204 ms
  Loss rate: 0.85%
-- Flow 3:
  Average throughput: 75.00 Mbit/s
  95th percentile per-packet one-way delay: 70.381 ms
  Loss rate: 1.35%
Run 4: Report of Verus — Data Link

![Graph showing throughput and delay for different flows.](image-url)
Run 5: Statistics of Verus

Start at: 2019-08-27 11:54:09  
End at: 2019-08-27 11:54:39  
Local clock offset: 0.064 ms  
Remote clock offset: -0.049 ms

# Below is generated by plot.py at 2019-08-27 15:31:50  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 287.20 Mbit/s  
95th percentile per-packet one-way delay: 179.109 ms  
Loss rate: 0.78%  
-- Flow 1:  
Average throughput: 171.32 Mbit/s  
95th percentile per-packet one-way delay: 185.230 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 123.87 Mbit/s  
95th percentile per-packet one-way delay: 146.878 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 105.07 Mbit/s  
95th percentile per-packet one-way delay: 168.827 ms  
Loss rate: 6.14%
Run 5: Report of Verus — Data Link

![Graph showing network throughput and latency](image-url)

**Throughput (Mbps)**
- **Flow 1 ingress** (mean 171.84 Mbps)
- **Flow 1 egress** (mean 171.32 Mbps)
- **Flow 2 ingress** (mean 123.87 Mbps)
- **Flow 2 egress** (mean 123.87 Mbps)
- **Flow 3 ingress** (mean 110.54 Mbps)
- **Flow 3 egress** (mean 105.07 Mbps)

**Per-packet one-way delay (ms)**
- **Flow 1** (95th percentile 185.23 ms)
- **Flow 2** (95th percentile 146.88 ms)
- **Flow 3** (95th percentile 168.83 ms)
Run 1: Statistics of PCC-Vivace

Start at: 2019-08-27 09:26:22
End at: 2019-08-27 09:26:52
Local clock offset: -0.039 ms
Remote clock offset: -0.052 ms

# Below is generated by plot.py at 2019-08-27 15:31:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 416.95 Mbit/s
95th percentile per-packet one-way delay: 73.658 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 284.33 Mbit/s
95th percentile per-packet one-way delay: 67.894 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 177.06 Mbit/s
95th percentile per-packet one-way delay: 92.179 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 46.24 Mbit/s
95th percentile per-packet one-way delay: 60.596 ms
Loss rate: 1.70%
Run 1: Report of PCC-Vivace — Data Link

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

**Graph Details:***
- **Throughput (Mbps):** X-axis represents time in seconds (0 to 30).
- **Flow 1:** Ingress (mean 284.48 Mbps), Egress (mean 284.33 Mbps).
- **Flow 2:** Ingress (mean 177.27 Mbps), Egress (mean 177.06 Mbps).
- **Flow 3:** Ingress (mean 46.46 Mbps), Egress (mean 46.24 Mbps).

**Packet Delay (ms):**
- **Flow 1:** 95th percentile 67.89 ms.
- **Flow 2:** 95th percentile 92.18 ms.
- **Flow 3:** 95th percentile 60.60 ms.

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Run 2: Statistics of PCC-Vivace

Start at: 2019-08-27 10:07:02
End at: 2019-08-27 10:07:32
Local clock offset: -0.145 ms
Remote clock offset: -0.113 ms

# Below is generated by plot.py at 2019-08-27 15:31:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 352.68 Mbit/s
95th percentile per-packet one-way delay: 61.825 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 175.68 Mbit/s
95th percentile per-packet one-way delay: 61.814 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 226.68 Mbit/s
95th percentile per-packet one-way delay: 62.050 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 81.26 Mbit/s
95th percentile per-packet one-way delay: 60.273 ms
Loss rate: 1.51%
Run 2: Report of PCC-Vivace — Data Link
Run 3: Statistics of PCC-Vivace

Start at: 2019-08-27 10:47:47
End at: 2019-08-27 10:48:17
Local clock offset: -0.103 ms
Remote clock offset: -0.412 ms

# Below is generated by plot.py at 2019-08-27 15:32:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 481.85 Mbit/s
95th percentile per-packet one-way delay: 66.303 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 281.18 Mbit/s
95th percentile per-packet one-way delay: 65.690 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 224.29 Mbit/s
95th percentile per-packet one-way delay: 65.766 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 158.70 Mbit/s
95th percentile per-packet one-way delay: 128.584 ms
Loss rate: 1.82%
Run 3: Report of PCC-Vivace — Data Link

![Graph showing throughput and delay statistics for different flows over time]

Flow 1 ingress (mean 281.17 Mbit/s)  Flow 1 egress (mean 281.18 Mbit/s)
Flow 2 ingress (mean 225.16 Mbit/s)  Flow 2 egress (mean 224.29 Mbit/s)
Flow 3 ingress (mean 159.58 Mbit/s)  Flow 3 egress (mean 158.70 Mbit/s)

Flow 1 (95th percentile 65.69 ms)  Flow 2 (95th percentile 65.77 ms)  Flow 3 (95th percentile 128.58 ms)
Run 4: Statistics of PCC-Vivace

Start at: 2019-08-27 11:28:51
End at: 2019-08-27 11:29:21
Local clock offset: 0.105 ms
Remote clock offset: -0.257 ms

# Below is generated by plot.py at 2019-08-27 15:32:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 504.78 Mbit/s
95th percentile per-packet one-way delay: 75.621 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 297.08 Mbit/s
95th percentile per-packet one-way delay: 82.330 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 234.17 Mbit/s
95th percentile per-packet one-way delay: 70.571 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 160.08 Mbit/s
95th percentile per-packet one-way delay: 64.407 ms
Loss rate: 1.95%
Run 4: Report of PCC-Vivace — Data Link

[Graph of throughput over time with markers for Flow 1 ingress and egress, Flow 2 ingress and egress, and Flow 3 ingress and egress with specified mean values in Mbit/s.]

[Graph of per-packet one-way delay over time with markers for Flow 1 (95th percentile 82.33 ms), Flow 2 (95th percentile 70.57 ms), and Flow 3 (95th percentile 64.41 ms).]
Run 5: Statistics of PCC-Vivace

Start at: 2019-08-27 12:09:45
End at: 2019-08-27 12:10:15
Local clock offset: -0.037 ms
Remote clock offset: 0.076 ms

# Below is generated by plot.py at 2019-08-27 15:32:48
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 424.39 Mbit/s
  95th percentile per-packet one-way delay: 68.432 ms
  Loss rate: 0.56%
-- Flow 1:
  Average throughput: 306.94 Mbit/s
  95th percentile per-packet one-way delay: 69.612 ms
  Loss rate: 0.30%
-- Flow 2:
  Average throughput: 94.37 Mbit/s
  95th percentile per-packet one-way delay: 60.549 ms
  Loss rate: 0.91%
-- Flow 3:
  Average throughput: 167.83 Mbit/s
  95th percentile per-packet one-way delay: 82.976 ms
  Loss rate: 1.62%
Run 1: Statistics of WebRTC media

Start at: 2019-08-27 09:20:53
End at: 2019-08-27 09:21:23
Local clock offset: -0.036 ms
Remote clock offset: 0.026 ms

# Below is generated by plot.py at 2019-08-27 15:32:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 65.777 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 62.770 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 60.352 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 65.845 ms
Loss rate: 0.00%
Run 1: Report of WebRTC media — Data Link
Run 2: Statistics of WebRTC media

Start at: 2019-08-27 10:01:39
End at: 2019-08-27 10:02:09
Local clock offset: -0.153 ms
Remote clock offset: -0.168 ms

# Below is generated by plot.py at 2019-08-27 15:32:48
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 0.14 Mbit/s
  95th percentile per-packet one-way delay: 62.557 ms
  Loss rate: 0.00%
-- Flow 1:
  Average throughput: 0.05 Mbit/s
  95th percentile per-packet one-way delay: 60.236 ms
  Loss rate: 0.00%
-- Flow 2:
  Average throughput: 0.05 Mbit/s
  95th percentile per-packet one-way delay: 60.596 ms
  Loss rate: 0.00%
-- Flow 3:
  Average throughput: 0.05 Mbit/s
  95th percentile per-packet one-way delay: 62.689 ms
  Loss rate: 0.00%
Run 2: Report of WebRTC media — Data Link

- Flow 1 ingress (mean 0.05 Mbit/s)
- Flow 1 egress (mean 0.05 Mbit/s)
- Flow 2 ingress (mean 0.05 Mbit/s)
- Flow 2 egress (mean 0.05 Mbit/s)
- Flow 3 ingress (mean 0.05 Mbit/s)
- Flow 3 egress (mean 0.05 Mbit/s)

- Flow 1 (95th percentile 60.24 ms)
- Flow 2 (95th percentile 60.60 ms)
- Flow 3 (95th percentile 62.69 ms)
Run 3: Statistics of WebRTC media

Start at: 2019-08-27 10:42:18
End at: 2019-08-27 10:42:48
Local clock offset: -0.19 ms
Remote clock offset: -0.937 ms

# Below is generated by plot.py at 2019-08-27 15:32:48
# Datalink statistics
-- Total of 3 flows:
  Average throughput: 0.14 Mbit/s
  95th percentile per-packet one-way delay: 65.549 ms
  Loss rate: 0.02%
-- Flow 1:
  Average throughput: 0.05 Mbit/s
  95th percentile per-packet one-way delay: 60.220 ms
  Loss rate: 0.00%
-- Flow 2:
  Average throughput: 0.05 Mbit/s
  95th percentile per-packet one-way delay: 65.592 ms
  Loss rate: 0.05%
-- Flow 3:
  Average throughput: 0.05 Mbit/s
  95th percentile per-packet one-way delay: 60.300 ms
  Loss rate: 0.00%
Run 3: Report of WebRTC media — Data Link

Throughput (Mbps)

Time (s)

Flow 1 ingress (mean 0.05 Mbit/s)
Flow 1 egress (mean 0.05 Mbit/s)
Flow 2 ingress (mean 0.04 Mbit/s)
Flow 2 egress (mean 0.05 Mbit/s)
Flow 3 ingress (mean 0.05 Mbit/s)
Flow 3 egress (mean 0.05 Mbit/s)

Per packet one way delay (ms)

Time (s)

Flow 1 (95th percentile 60.22 ms)
Flow 2 (95th percentile 65.59 ms)
Flow 3 (95th percentile 60.30 ms)
Run 4: Statistics of WebRTC media

End at: 2019-08-27 11:23:54
Local clock offset: 0.1 ms
Remote clock offset: -0.118 ms

# Below is generated by plot.py at 2019-08-27 15:32:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 63.075 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 60.308 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 60.080 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.153 ms
Loss rate: 0.05%
Run 4: Report of WebRTC media — Data Link
Run 5: Statistics of WebRTC media

Start at: 2019-08-27 12:04:15
End at: 2019-08-27 12:04:45
Local clock offset: -0.003 ms
Remote clock offset: -0.148 ms

# Below is generated by plot.py at 2019-08-27 15:32:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 60.476 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 60.356 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 60.466 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 60.579 ms
Loss rate: 0.00%
Run 5: Report of WebRTC media — Data Link

[Graph showing throughput and packet delay over time for different flows]