Pantheon Report

Generated at 2019-10-28 03:26:15 (UTC).
Tested in mahimahi: `mm-delay 28 mm-link 10mbps.trace 50mbps.trace --uplink-queue=droptail --uplink-queue-args=packets=14`
Repeated the test of 11 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.

```
System info:
Linux 4.15.0-65-generic
net.core.default_qdisc = fq
net.core.rmem_default = 212992
net.core.rmem_max = 212992
net.core.wmem_default = 212992
net.core.wmem_max = 212992
net.ipv4.tcp_rmem = 4096 87380 6291456
net.ipv4.tcp_wmem = 4096 16384 4194304
```

```
Git summary:
branch: master @ b54fc866b3140559c1fa1782d26fa636f7a43a8d
third_party/aurora @ f3e943d61015b39960854ba6391797e0c7984d74
third_party/aurora-model @ e292c316c23fb837255c4e142e40590d154bbe95
third_party/eagle-v1 @ c68d985e042be5c30704c0aee48c363861951a95
third_party/eagle-v2 @ c8a1737b3c84d7d49eada5b8785045d272a70120
third_party/eagle-v3 @ d5f1ab4416fa417052ddc65de5dbdbd20955d293
 M sender-receiver/sender-receiver/sender_receiver/envs/__pycache__/datagram_pb2.cpython-36.
 M sender-receiver/sender-receiver/sender_receiver/envs/__pycache__/helpers.cpython-36.pyc
 M sender-receiver/sender-receiver/sender_receiver/envs/__pycache__/mahimahi.cpython-36.pyc
 M sender-receiver/sender-receiver/sender_receiver/envs/__pycache__/project_root.cpython-36.
 M sender-receiver/sender-receiver/sender_receiver/envs/__pycache__/receiver.cpython-36.pyc
 M sender-receiver/sender-receiver/sender_receiver/envs/example-xentropy-random-switch.py
 M sender-receiver/sender-receiver/sender_receiver/envs/example-xentropy.py
 D sender-receiver/sender-receiver/sender_receiver/envs/model-xentropy/model-xentropy-2.pt
 D sender-receiver/sender-receiver/sender_receiver/envs/model-xentropy/model-xentropy-240ite
 M sender-receiver/sender-receiver/sender_receiver/envs/model-xentropy/model-xentropy.pt
 M sender-receiver/sender-receiver/sender_receiver/logs.txt
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdfe58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
 M receiver/src/buffer.h
 M receiver/src/core.cpp
 M sender/src/buffer.h
```

```
 M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
 M src/ScreamClient
 M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
 M src/examples/cellsim.cc
 M src/examples/sproutbt2.cc
 M src/network/sproutconn.cc
third_party/synthesizedBBR @ d5f1ab4416fa417052ddc65de5dbdbd20955d293
 M sender-receiver/sender-receiver/sender_receiver/__pycache__/__init__.cpython-36.pyc
 M sender-receiver/sender-receiver/sender_receiver/envs/__pycache__/__init__.cpython-36.pyc
 M sender-receiver/sender-receiver/sender_receiver/envs/__pycache__/datagram_pb2.cpython-36.
 M sender-receiver/sender-receiver/sender_receiver/envs/__pycache__/helpers.cpython-36.pyc
 M sender-receiver/sender-receiver/sender_receiver/envs/__pycache__/mahimahi.cpython-36.pyc
 M sender-receiver/sender-receiver/sender_receiver/envs/__pycache__/project_root.cpython-36.
 M sender-receiver/sender-receiver/sender_receiver/envs/__pycache__/receiver.cpython-36.pyc
 M sender-receiver/sender-receiver/sender_receiver/envs/__pycache__/sender_receiver_env.cpyt
 M sender-receiver/sender-receiver/sender_receiver/envs/example-xentropy.py
 M sender-receiver/sender-receiver/sender_receiver/logs.txt
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
 M src/verus.hpp
 M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

local test in mahimahi, 10 runs of 30s each per scheme
(mean of all runs by scheme)
Average throughput (Mbit/s)
95th percentile one-way delay (ms)
TCP BBR
Indigo
Eagle-001
Eagle-005
Synthesized-BBR
Eagle-004
Eagle-006
Eagle-003
Eagle-007
Eagle-expert
Eagle-008

local test in mahimahi, 10 runs of 30s each per scheme
Average throughput (Mbit/s)
95th percentile one-way delay (ms)
Eagle-003
Eagle-001
Eagle-006
Eagle-007
Eagle-004
Eagle-005
Eagle-008
Synthesized-BBR
Indigo
TCP BBR
Eagle-expert

scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	9.71	45.07	3.88
Eagle-001	10	7.85	41.77	3.83
Eagle-003	10	5.68	40.22	2.29
Eagle-004	10	7.39	40.90	1.60
Eagle-005	10	7.62	44.29	14.15
Eagle-006	10	5.70	42.68	3.81
Eagle-007	10	5.27	35.69	1.51
Eagle-008	10	2.13	39.49	3.08
Eagle-expert	10	4.68	37.19	0.89
Indigo	10	9.42	42.48	8.81
Synthesized-BBR	10	7.63	42.44	0.69

```
Run 1: Statistics of TCP BBR

Start at: 2019-10-28 02:24:17
End at: 2019-10-28 02:24:47

# Below is generated by plot.py at 2019-10-28 03:22:56
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.73 Mbit/s (97.3% utilization)
95th percentile per-packet one-way delay: 45.077 ms
Loss rate: 4.08%
-- Flow 1:
Average throughput: 9.73 Mbit/s
95th percentile per-packet one-way delay: 45.077 ms
Loss rate: 4.08%
```

Run 1: Report of TCP BBR — Data Link

```
Run 2: Statistics of TCP BBR

Start at: 2019-10-28 02:30:36
End at: 2019-10-28 02:31:06

# Below is generated by plot.py at 2019-10-28 03:22:56
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.74 Mbit/s (97.4% utilization)
95th percentile per-packet one-way delay: 45.183 ms
Loss rate: 4.03%
-- Flow 1:
Average throughput: 9.74 Mbit/s
95th percentile per-packet one-way delay: 45.183 ms
Loss rate: 4.03%
```

Run 2: Report of TCP BBR — Data Link

```
Run 3: Statistics of TCP BBR

Start at: 2019-10-28 02:36:57
End at: 2019-10-28 02:37:27

# Below is generated by plot.py at 2019-10-28 03:22:57
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.69 Mbit/s (96.9% utilization)
95th percentile per-packet one-way delay: 45.009 ms
Loss rate: 3.72%
-- Flow 1:
Average throughput: 9.69 Mbit/s
95th percentile per-packet one-way delay: 45.009 ms
Loss rate: 3.72%
```

Run 3: Report of TCP BBR — Data Link

```
Run 4: Statistics of TCP BBR

Start at: 2019-10-28 02:43:19
End at: 2019-10-28 02:43:49

# Below is generated by plot.py at 2019-10-28 03:22:57
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.74 Mbit/s (97.4% utilization)
95th percentile per-packet one-way delay: 45.072 ms
Loss rate: 4.02%
-- Flow 1:
Average throughput: 9.74 Mbit/s
95th percentile per-packet one-way delay: 45.072 ms
Loss rate: 4.02%
```

Run 4: Report of TCP BBR — Data Link

```
Run 5: Statistics of TCP BBR

Start at: 2019-10-28 02:49:42
End at: 2019-10-28 02:50:12

# Below is generated by plot.py at 2019-10-28 03:23:07
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.73 Mbit/s (97.3% utilization)
95th percentile per-packet one-way delay: 45.194 ms
Loss rate: 4.03%
-- Flow 1:
Average throughput: 9.73 Mbit/s
95th percentile per-packet one-way delay: 45.194 ms
Loss rate: 4.03%
```

Run 5: Report of TCP BBR — Data Link

```
Run 6: Statistics of TCP BBR

Start at: 2019-10-28 02:56:02
End at: 2019-10-28 02:56:32

# Below is generated by plot.py at 2019-10-28 03:23:07
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.72 Mbit/s (97.2% utilization)
95th percentile per-packet one-way delay: 45.112 ms
Loss rate: 4.18%
-- Flow 1:
Average throughput: 9.72 Mbit/s
95th percentile per-packet one-way delay: 45.112 ms
Loss rate: 4.18%
```

Run 6: Report of TCP BBR — Data Link

```
Run 7: Statistics of TCP BBR

Start at: 2019-10-28 03:02:23
End at: 2019-10-28 03:02:53

# Below is generated by plot.py at 2019-10-28 03:23:07
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.73 Mbit/s (97.3% utilization)
95th percentile per-packet one-way delay: 45.227 ms
Loss rate: 4.04%
-- Flow 1:
Average throughput: 9.73 Mbit/s
95th percentile per-packet one-way delay: 45.227 ms
Loss rate: 4.04%
```

Run 7: Report of TCP BBR — Data Link

```
Run 8: Statistics of TCP BBR

Start at: 2019-10-28 03:08:43
End at: 2019-10-28 03:09:13

# Below is generated by plot.py at 2019-10-28 03:23:07
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.70 Mbit/s (97.0% utilization)
95th percentile per-packet one-way delay: 44.978 ms
Loss rate: 3.67%
-- Flow 1:
Average throughput: 9.70 Mbit/s
95th percentile per-packet one-way delay: 44.978 ms
Loss rate: 3.67%
```

Run 8: Report of TCP BBR — Data Link

```
Run 9: Statistics of TCP BBR

Start at: 2019-10-28 03:15:03
End at: 2019-10-28 03:15:33

# Below is generated by plot.py at 2019-10-28 03:23:11
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.69 Mbit/s (96.9% utilization)
95th percentile per-packet one-way delay: 44.968 ms
Loss rate: 3.53%
-- Flow 1:
Average throughput: 9.69 Mbit/s
95th percentile per-packet one-way delay: 44.968 ms
Loss rate: 3.53%
```

Run 9: Report of TCP BBR — Data Link

```
Run 10: Statistics of TCP BBR

Start at: 2019-10-28 03:21:23
End at: 2019-10-28 03:21:53

# Below is generated by plot.py at 2019-10-28 03:23:15
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.65 Mbit/s (96.5% utilization)
95th percentile per-packet one-way delay: 44.893 ms
Loss rate: 3.53%
-- Flow 1:
Average throughput: 9.65 Mbit/s
95th percentile per-packet one-way delay: 44.893 ms
Loss rate: 3.53%
```

Run 10: Report of TCP BBR — Data Link

```
Run 1: Statistics of Eagle-001

Start at: 2019-10-28 02:19:05
End at: 2019-10-28 02:19:35

# Below is generated by plot.py at 2019-10-28 03:23:15
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 7.20 Mbit/s (71.9% utilization)
95th percentile per-packet one-way delay: 33.756 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 7.20 Mbit/s
95th percentile per-packet one-way delay: 33.756 ms
Loss rate: 1.31%
```

Run 1: Report of Eagle-001 — Data Link

```
Run 2: Statistics of Eagle-001

Start at: 2019-10-28 02:25:26
End at: 2019-10-28 02:25:56

# Below is generated by plot.py at 2019-10-28 03:23:15
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 7.94 Mbit/s (79.4% utilization)
95th percentile per-packet one-way delay: 45.521 ms
Loss rate: 2.75%
-- Flow 1:
Average throughput: 7.94 Mbit/s
95th percentile per-packet one-way delay: 45.521 ms
Loss rate: 2.75%
```

Run 2: Report of Eagle-001 — Data Link

```
Run 3: Statistics of Eagle-001

Start at: 2019-10-28 02:31:46
End at: 2019-10-28 02:32:16

# Below is generated by plot.py at 2019-10-28 03:23:20
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.52 Mbit/s (95.2% utilization)
95th percentile per-packet one-way delay: 46.153 ms
Loss rate: 7.09%
-- Flow 1:
Average throughput: 9.52 Mbit/s
95th percentile per-packet one-way delay: 46.153 ms
Loss rate: 7.09%
```

Run 3: Report of Eagle-001 — Data Link

```
Run 4: Statistics of Eagle-001

Start at: 2019-10-28 02:38:07
End at: 2019-10-28 02:38:37

# Below is generated by plot.py at 2019-10-28 03:23:20
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 8.29 Mbit/s (82.9% utilization)
95th percentile per-packet one-way delay: 38.226 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 8.29 Mbit/s
95th percentile per-packet one-way delay: 38.226 ms
Loss rate: 1.15%
```

Run 4: Report of Eagle-001 — Data Link

```
Run 5: Statistics of Eagle-001

Start at: 2019-10-28 02:44:28
End at: 2019-10-28 02:44:58

# Below is generated by plot.py at 2019-10-28 03:23:24
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.50 Mbit/s (95.0% utilization)
95th percentile per-packet one-way delay: 46.349 ms
Loss rate: 7.08%
-- Flow 1:
Average throughput: 9.50 Mbit/s
95th percentile per-packet one-way delay: 46.349 ms
Loss rate: 7.08%
```

Run 5: Report of Eagle-001 — Data Link

```
Run 6: Statistics of Eagle-001

Start at: 2019-10-28 02:50:51
End at: 2019-10-28 02:51:21

# Below is generated by plot.py at 2019-10-28 03:23:25
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.53 Mbit/s (95.3% utilization)
95th percentile per-packet one-way delay: 45.994 ms
Loss rate: 7.37%
-- Flow 1:
Average throughput: 9.53 Mbit/s
95th percentile per-packet one-way delay: 45.994 ms
Loss rate: 7.37%
```

Run 6: Report of Eagle-001 — Data Link

```
Run 7: Statistics of Eagle-001

Start at: 2019-10-28 02:57:12
End at: 2019-10-28 02:57:42

# Below is generated by plot.py at 2019-10-28 03:23:29
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.53 Mbit/s (95.3% utilization)
95th percentile per-packet one-way delay: 46.492 ms
Loss rate: 7.41%
-- Flow 1:
Average throughput: 9.53 Mbit/s
95th percentile per-packet one-way delay: 46.492 ms
Loss rate: 7.41%
```

Run 7: Report of Eagle-001 — Data Link

```
Run 8: Statistics of Eagle-001

Start at: 2019-10-28 03:03:32
End at: 2019-10-28 03:04:02

# Below is generated by plot.py at 2019-10-28 03:23:29
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 7.71 Mbit/s (77.1% utilization)
95th percentile per-packet one-way delay: 39.172 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 7.71 Mbit/s
95th percentile per-packet one-way delay: 39.172 ms
Loss rate: 0.11%
```

Run 8: Report of Eagle-001 — Data Link

```
Run 9: Statistics of Eagle-001

Start at: 2019-10-28 03:09:53
End at: 2019-10-28 03:10:23

# Below is generated by plot.py at 2019-10-28 03:23:29
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 0.05 Mbit/s (0.5% utilization)
95th percentile per-packet one-way delay: 30.473 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 30.473 ms
Loss rate: 0.00%
```

Run 9: Report of Eagle-001 — Data Link

```
Run 10: Statistics of Eagle-001

Start at: 2019-10-28 03:16:13
End at: 2019-10-28 03:16:43

# Below is generated by plot.py at 2019-10-28 03:23:33
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.21 Mbit/s (92.1% utilization)
95th percentile per-packet one-way delay: 45.591 ms
Loss rate: 4.08%
-- Flow 1:
Average throughput: 9.21 Mbit/s
95th percentile per-packet one-way delay: 45.591 ms
Loss rate: 4.08%
```

Run 10: Report of Eagle-001 — Data Link

```
Run 1: Statistics of Eagle-003

Start at: 2019-10-28 02:19:40
End at: 2019-10-28 02:20:10

# Below is generated by plot.py at 2019-10-28 03:23:38
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.01 Mbit/s (90.0% utilization)
95th percentile per-packet one-way delay: 42.746 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 9.01 Mbit/s
95th percentile per-packet one-way delay: 42.746 ms
Loss rate: 1.40%
```

Run 1: Report of Eagle-003 — Data Link

```
Run 2: Statistics of Eagle-003

Start at: 2019-10-28 02:26:01
End at: 2019-10-28 02:26:31

# Below is generated by plot.py at 2019-10-28 03:23:38
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 0.07 Mbit/s (0.7% utilization)
95th percentile per-packet one-way delay: 30.534 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 30.534 ms
Loss rate: 0.00%
```

Run 2: Report of Eagle-003 — Data Link

```
Run 3: Statistics of Eagle-003

Start at: 2019-10-28 02:32:21
End at: 2019-10-28 02:32:51

# Below is generated by plot.py at 2019-10-28 03:23:38
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 4.47 Mbit/s (44.7% utilization)
95th percentile per-packet one-way delay: 37.851 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 4.47 Mbit/s
95th percentile per-packet one-way delay: 37.851 ms
Loss rate: 1.94%
```

Run 3: Report of Eagle-003 — Data Link

```
Run 4: Statistics of Eagle-003

Start at: 2019-10-28 02:38:42
End at: 2019-10-28 02:39:12

# Below is generated by plot.py at 2019-10-28 03:23:38
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 8.24 Mbit/s (82.4% utilization)
95th percentile per-packet one-way delay: 36.899 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 8.24 Mbit/s
95th percentile per-packet one-way delay: 36.899 ms
Loss rate: 1.16%
```

Run 4: Report of Eagle-003 — Data Link

```
Run 5: Statistics of Eagle-003

Start at: 2019-10-28 02:45:03
End at: 2019-10-28 02:45:33

# Below is generated by plot.py at 2019-10-28 03:23:44
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.05 Mbit/s (90.4% utilization)
95th percentile per-packet one-way delay: 42.553 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 9.05 Mbit/s
95th percentile per-packet one-way delay: 42.553 ms
Loss rate: 1.16%
```

Run 5: Report of Eagle-003 — Data Link

```
Run 6: Statistics of Eagle-003

Start at: 2019-10-28 02:51:26
End at: 2019-10-28 02:51:56

# Below is generated by plot.py at 2019-10-28 03:23:46
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.23 Mbit/s (92.3% utilization)
95th percentile per-packet one-way delay: 45.268 ms
Loss rate: 3.22%
-- Flow 1:
Average throughput: 9.23 Mbit/s
95th percentile per-packet one-way delay: 45.268 ms
Loss rate: 3.22%
```

Run 6: Report of Eagle-003 — Data Link

```
Run 7: Statistics of Eagle-003

Start at: 2019-10-28 02:57:47
End at: 2019-10-28 02:58:17

# Below is generated by plot.py at 2019-10-28 03:23:46
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 4.71 Mbit/s (47.1% utilization)
95th percentile per-packet one-way delay: 36.310 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 4.71 Mbit/s
95th percentile per-packet one-way delay: 36.310 ms
Loss rate: 1.96%
```

Run 7: Report of Eagle-003 — Data Link

```
Run 8: Statistics of Eagle-003

Start at: 2019-10-28 03:04:07
End at: 2019-10-28 03:04:37

# Below is generated by plot.py at 2019-10-28 03:23:46
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 2.02 Mbit/s (20.2% utilization)
95th percentile per-packet one-way delay: 44.970 ms
Loss rate: 4.32%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 44.970 ms
Loss rate: 4.32%
```

Run 8: Report of Eagle-003 — Data Link

```
Run 9: Statistics of Eagle-003

Start at: 2019-10-28 03:10:27
End at: 2019-10-28 03:10:57

# Below is generated by plot.py at 2019-10-28 03:23:46
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 1.34 Mbit/s (13.4% utilization)
95th percentile per-packet one-way delay: 45.238 ms
Loss rate: 6.64%
-- Flow 1:
Average throughput: 1.34 Mbit/s
95th percentile per-packet one-way delay: 45.238 ms
Loss rate: 6.64%
```

Run 9: Report of Eagle-003 — Data Link

```
Run 10: Statistics of Eagle-003

Start at: 2019-10-28 03:16:47
End at: 2019-10-28 03:17:17

# Below is generated by plot.py at 2019-10-28 03:23:53
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 8.66 Mbit/s (86.6% utilization)
95th percentile per-packet one-way delay: 39.866 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 8.66 Mbit/s
95th percentile per-packet one-way delay: 39.866 ms
Loss rate: 1.15%
```

Run 10: Report of Eagle-003 — Data Link

```
Run 1: Statistics of Eagle-004

Start at: 2019-10-28 02:20:15
End at: 2019-10-28 02:20:45

# Below is generated by plot.py at 2019-10-28 03:23:53
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 8.70 Mbit/s (87.0% utilization)
95th percentile per-packet one-way delay: 45.592 ms
Loss rate: 2.98%
-- Flow 1:
Average throughput: 8.70 Mbit/s
95th percentile per-packet one-way delay: 45.592 ms
Loss rate: 2.98%
```

Run 1: Report of Eagle-004 — Data Link

```
Run 2: Statistics of Eagle-004

Start at: 2019-10-28 02:26:35
End at: 2019-10-28 02:27:05

# Below is generated by plot.py at 2019-10-28 03:23:54
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 8.41 Mbit/s (84.1% utilization)
95th percentile per-packet one-way delay: 41.231 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 8.41 Mbit/s
95th percentile per-packet one-way delay: 41.231 ms
Loss rate: 0.13%
```

Run 2: Report of Eagle-004 — Data Link

```
Run 3: Statistics of Eagle-004

Start at: 2019-10-28 02:32:55
End at: 2019-10-28 02:33:25

# Below is generated by plot.py at 2019-10-28 03:23:54
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 6.03 Mbit/s (60.2% utilization)
95th percentile per-packet one-way delay: 33.576 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 6.03 Mbit/s
95th percentile per-packet one-way delay: 33.576 ms
Loss rate: 1.53%
```

Run 3: Report of Eagle-004 — Data Link

```
Run 4: Statistics of Eagle-004

Start at: 2019-10-28 02:39:16
End at: 2019-10-28 02:39:46

# Below is generated by plot.py at 2019-10-28 03:24:01
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 8.97 Mbit/s (89.7% utilization)
95th percentile per-packet one-way delay: 42.716 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 8.97 Mbit/s
95th percentile per-packet one-way delay: 42.716 ms
Loss rate: 1.18%
```

Run 4: Report of Eagle-004 — Data Link

```
Run 5: Statistics of Eagle-004

Start at: 2019-10-28 02:45:38
End at: 2019-10-28 02:46:08

# Below is generated by plot.py at 2019-10-28 03:24:01
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 5.25 Mbit/s (52.5% utilization)
95th percentile per-packet one-way delay: 36.479 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 5.25 Mbit/s
95th percentile per-packet one-way delay: 36.479 ms
Loss rate: 1.79%
```

Run 5: Report of Eagle-004 — Data Link

```
Run 6: Statistics of Eagle-004

Start at: 2019-10-28 02:52:01
End at: 2019-10-28 02:52:31

# Below is generated by plot.py at 2019-10-28 03:24:02
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.12 Mbit/s (91.2% utilization)
95th percentile per-packet one-way delay: 44.268 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 9.12 Mbit/s
95th percentile per-packet one-way delay: 44.268 ms
Loss rate: 1.54%
```

Run 6: Report of Eagle-004 — Data Link

```
Run 7: Statistics of Eagle-004

Start at: 2019-10-28 02:58:21
End at: 2019-10-28 02:58:51

# Below is generated by plot.py at 2019-10-28 03:24:02
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.16 Mbit/s (91.6% utilization)
95th percentile per-packet one-way delay: 45.145 ms
Loss rate: 2.66%
-- Flow 1:
Average throughput: 9.16 Mbit/s
95th percentile per-packet one-way delay: 45.145 ms
Loss rate: 2.66%
```

Run 7: Report of Eagle-004 — Data Link

```
Run 8: Statistics of Eagle-004

Start at: 2019-10-28 03:04:41
End at: 2019-10-28 03:05:11

# Below is generated by plot.py at 2019-10-28 03:24:06
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.07 Mbit/s (90.7% utilization)
95th percentile per-packet one-way delay: 44.475 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 9.07 Mbit/s
95th percentile per-packet one-way delay: 44.475 ms
Loss rate: 1.63%
```

Run 8: Report of Eagle-004 — Data Link

```
Run 9: Statistics of Eagle-004

Start at: 2019-10-28 03:11:01
End at: 2019-10-28 03:11:31

# Below is generated by plot.py at 2019-10-28 03:24:10
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.14 Mbit/s (91.4% utilization)
95th percentile per-packet one-way delay: 45.029 ms
Loss rate: 2.56%
-- Flow 1:
Average throughput: 9.14 Mbit/s
95th percentile per-packet one-way delay: 45.029 ms
Loss rate: 2.56%
```

Run 9: Report of Eagle-004 — Data Link

```
Run 10: Statistics of Eagle-004

Start at: 2019-10-28 03:17:22
End at: 2019-10-28 03:17:52

# Below is generated by plot.py at 2019-10-28 03:24:10
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 0.07 Mbit/s (0.7% utilization)
95th percentile per-packet one-way delay: 30.535 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 30.535 ms
Loss rate: 0.00%
```

Run 10: Report of Eagle-004 — Data Link

```
Run 1: Statistics of Eagle-005

Start at: 2019-10-28 02:20:49
End at: 2019-10-28 02:21:19

# Below is generated by plot.py at 2019-10-28 03:24:10
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.10 Mbit/s (91.0% utilization)
95th percentile per-packet one-way delay: 44.781 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 9.10 Mbit/s
95th percentile per-packet one-way delay: 44.781 ms
Loss rate: 1.77%
```

Run 1: Report of Eagle-005 — Data Link

```
Run 2: Statistics of Eagle-005

Start at: 2019-10-28 02:27:09
End at: 2019-10-28 02:27:40

# Below is generated by plot.py at 2019-10-28 03:24:10
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 0.52 Mbit/s (5.2% utilization)
95th percentile per-packet one-way delay: 30.760 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 30.760 ms
Loss rate: 0.08%
```

Run 2: Report of Eagle-005 — Data Link

```
Run 3: Statistics of Eagle-005

Start at: 2019-10-28 02:33:30
End at: 2019-10-28 02:34:00

# Below is generated by plot.py at 2019-10-28 03:24:17
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.26 Mbit/s (92.6% utilization)
95th percentile per-packet one-way delay: 45.706 ms
Loss rate: 3.94%
-- Flow 1:
Average throughput: 9.26 Mbit/s
95th percentile per-packet one-way delay: 45.706 ms
Loss rate: 3.94%
```

Run 3: Report of Eagle-005 — Data Link

```
Run 4: Statistics of Eagle-005

Start at: 2019-10-28 02:39:51
End at: 2019-10-28 02:40:21

# Below is generated by plot.py at 2019-10-28 03:24:18
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.44 Mbit/s (94.4% utilization)
95th percentile per-packet one-way delay: 45.751 ms
Loss rate: 6.48%
-- Flow 1:
Average throughput: 9.44 Mbit/s
95th percentile per-packet one-way delay: 45.751 ms
Loss rate: 6.48%
```

Run 4: Report of Eagle-005 — Data Link

```
Run 5: Statistics of Eagle-005

Start at: 2019-10-28 02:46:12
End at: 2019-10-28 02:46:42

# Below is generated by plot.py at 2019-10-28 03:24:38
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.82 Mbit/s (98.2% utilization)
95th percentile per-packet one-way delay: 46.430 ms
Loss rate: 93.92%
-- Flow 1:
Average throughput: 9.82 Mbit/s
95th percentile per-packet one-way delay: 46.430 ms
Loss rate: 93.92%
```

Run 5: Report of Eagle-005 — Data Link

```
Run 6: Statistics of Eagle-005

Start at: 2019-10-28 02:52:36
End at: 2019-10-28 02:53:06

# Below is generated by plot.py at 2019-10-28 03:24:38
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.52 Mbit/s (95.2% utilization)
95th percentile per-packet one-way delay: 46.156 ms
Loss rate: 7.25%
-- Flow 1:
Average throughput: 9.52 Mbit/s
95th percentile per-packet one-way delay: 46.156 ms
Loss rate: 7.25%
```

Run 6: Report of Eagle-005 — Data Link

```
Run 7: Statistics of Eagle-005

Start at: 2019-10-28 02:58:56
End at: 2019-10-28 02:59:26

# Below is generated by plot.py at 2019-10-28 03:24:38
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.30 Mbit/s (93.0% utilization)
95th percentile per-packet one-way delay: 45.429 ms
Loss rate: 4.28%
-- Flow 1:
Average throughput: 9.30 Mbit/s
95th percentile per-packet one-way delay: 45.429 ms
Loss rate: 4.28%
```

Run 7: Report of Eagle-005 — Data Link

```
Run 8: Statistics of Eagle-005

Start at: 2019-10-28 03:05:16
End at: 2019-10-28 03:05:46

# Below is generated by plot.py at 2019-10-28 03:24:38
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.13 Mbit/s (91.3% utilization)
95th percentile per-packet one-way delay: 45.234 ms
Loss rate: 2.77%
-- Flow 1:
Average throughput: 9.13 Mbit/s
95th percentile per-packet one-way delay: 45.234 ms
Loss rate: 2.77%
```

Run 8: Report of Eagle-005 — Data Link

```
Run 9: Statistics of Eagle-005

Start at: 2019-10-28 03:11:36
End at: 2019-10-28 03:12:06

# Below is generated by plot.py at 2019-10-28 03:24:38
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.51 Mbit/s (95.1% utilization)
95th percentile per-packet one-way delay: 46.083 ms
Loss rate: 7.21%
-- Flow 1:
Average throughput: 9.51 Mbit/s
95th percentile per-packet one-way delay: 46.083 ms
Loss rate: 7.21%
```

Run 9: Report of Eagle-005 — Data Link

```
Run 10: Statistics of Eagle-005

Start at: 2019-10-28 03:17:56
End at: 2019-10-28 03:18:26

# Below is generated by plot.py at 2019-10-28 03:24:38
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 0.59 Mbit/s (5.9% utilization)
95th percentile per-packet one-way delay: 46.524 ms
Loss rate: 13.78%
-- Flow 1:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 46.524 ms
Loss rate: 13.78%
```

Run 10: Report of Eagle-005 — Data Link

```
Run 1: Statistics of Eagle-006

Start at: 2019-10-28 02:21:24
End at: 2019-10-28 02:21:54

# Below is generated by plot.py at 2019-10-28 03:24:38
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 0.10 Mbit/s (1.0% utilization)
95th percentile per-packet one-way delay: 30.615 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 30.615 ms
Loss rate: 0.00%
```

Run 1: Report of Eagle-006 — Data Link

```
Run 2: Statistics of Eagle-006

Start at: 2019-10-28 02:27:44
End at: 2019-10-28 02:28:14

# Below is generated by plot.py at 2019-10-28 03:24:38
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 8.90 Mbit/s (88.9% utilization)
95th percentile per-packet one-way delay: 40.788 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 8.90 Mbit/s
95th percentile per-packet one-way delay: 40.788 ms
Loss rate: 1.13%
```

Run 2: Report of Eagle-006 — Data Link

```
Run 3: Statistics of Eagle-006

Start at: 2019-10-28 02:34:04
End at: 2019-10-28 02:34:34

# Below is generated by plot.py at 2019-10-28 03:24:38
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.08 Mbit/s (90.8% utilization)
95th percentile per-packet one-way delay: 44.967 ms
Loss rate: 2.69%
-- Flow 1:
Average throughput: 9.08 Mbit/s
95th percentile per-packet one-way delay: 44.967 ms
Loss rate: 2.69%
```

Run 3: Report of Eagle-006 — Data Link

```
Run 4: Statistics of Eagle-006

Start at: 2019-10-28 02:40:26
End at: 2019-10-28 02:40:56

# Below is generated by plot.py at 2019-10-28 03:24:38
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.10 Mbit/s (91.0% utilization)
95th percentile per-packet one-way delay: 43.717 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 9.10 Mbit/s
95th percentile per-packet one-way delay: 43.717 ms
Loss rate: 1.35%
```

Run 4: Report of Eagle-006 — Data Link

```
Run 5: Statistics of Eagle-006

Start at: 2019-10-28 02:46:49
End at: 2019-10-28 02:47:19

# Below is generated by plot.py at 2019-10-28 03:24:42
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 8.47 Mbit/s (84.7% utilization)
95th percentile per-packet one-way delay: 39.854 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 8.47 Mbit/s
95th percentile per-packet one-way delay: 39.854 ms
Loss rate: 0.23%
```

Run 5: Report of Eagle-006 — Data Link

```
Run 6: Statistics of Eagle-006

Start at: 2019-10-28 02:53:10
End at: 2019-10-28 02:53:40

# Below is generated by plot.py at 2019-10-28 03:24:43
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.26 Mbit/s (92.6% utilization)
95th percentile per-packet one-way delay: 45.689 ms
Loss rate: 4.56%
-- Flow 1:
Average throughput: 9.26 Mbit/s
95th percentile per-packet one-way delay: 45.689 ms
Loss rate: 4.56%
```

Run 6: Report of Eagle-006 — Data Link

```
Run 7: Statistics of Eagle-006

Start at: 2019-10-28 02:59:31
End at: 2019-10-28 03:00:01

# Below is generated by plot.py at 2019-10-28 03:24:43
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 0.75 Mbit/s (7.5% utilization)
95th percentile per-packet one-way delay: 46.287 ms
Loss rate: 10.24%
-- Flow 1:
Average throughput: 0.75 Mbit/s
95th percentile per-packet one-way delay: 46.287 ms
Loss rate: 10.24%
```

Run 7: Report of Eagle-006 — Data Link

```
Run 8: Statistics of Eagle-006

Start at: 2019-10-28 03:05:51
End at: 2019-10-28 03:06:21

# Below is generated by plot.py at 2019-10-28 03:24:48
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.33 Mbit/s (93.3% utilization)
95th percentile per-packet one-way delay: 45.838 ms
Loss rate: 5.23%
-- Flow 1:
Average throughput: 9.33 Mbit/s
95th percentile per-packet one-way delay: 45.838 ms
Loss rate: 5.23%
```

Run 8: Report of Eagle-006 — Data Link

```
Run 9: Statistics of Eagle-006

Start at: 2019-10-28 03:12:11
End at: 2019-10-28 03:12:41

# Below is generated by plot.py at 2019-10-28 03:24:48
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 0.64 Mbit/s (6.4% utilization)
95th percentile per-packet one-way delay: 45.365 ms
Loss rate: 12.30%
-- Flow 1:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 45.365 ms
Loss rate: 12.30%
```

Run 9: Report of Eagle-006 — Data Link

```
Run 10: Statistics of Eagle-006

Start at: 2019-10-28 03:18:31
End at: 2019-10-28 03:19:01

# Below is generated by plot.py at 2019-10-28 03:24:48
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 1.36 Mbit/s (13.6% utilization)
95th percentile per-packet one-way delay: 43.686 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 1.36 Mbit/s
95th percentile per-packet one-way delay: 43.686 ms
Loss rate: 0.33%
```

Run 10: Report of Eagle-006 — Data Link

```
Run 1: Statistics of Eagle-007

Start at: 2019-10-28 02:21:58
End at: 2019-10-28 02:22:28

# Below is generated by plot.py at 2019-10-28 03:24:51
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 7.24 Mbit/s (72.4% utilization)
95th percentile per-packet one-way delay: 34.323 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 7.24 Mbit/s
95th percentile per-packet one-way delay: 34.323 ms
Loss rate: 1.32%
```

Run 1: Report of Eagle-007 — Data Link

```
Run 2: Statistics of Eagle-007

Start at: 2019-10-28 02:28:19
End at: 2019-10-28 02:28:49

# Below is generated by plot.py at 2019-10-28 03:24:52
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 7.77 Mbit/s (77.7% utilization)
95th percentile per-packet one-way delay: 34.361 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 7.77 Mbit/s
95th percentile per-packet one-way delay: 34.361 ms
Loss rate: 1.24%
```

Run 2: Report of Eagle-007 — Data Link

```
Run 3: Statistics of Eagle-007

Start at: 2019-10-28 02:34:39
End at: 2019-10-28 02:35:09

# Below is generated by plot.py at 2019-10-28 03:24:55
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 8.99 Mbit/s (89.9% utilization)
95th percentile per-packet one-way delay: 44.793 ms
Loss rate: 1.66%
-- Flow 1:
Average throughput: 8.99 Mbit/s
95th percentile per-packet one-way delay: 44.793 ms
Loss rate: 1.66%
```

Run 3: Report of Eagle-007 — Data Link

```
Run 4: Statistics of Eagle-007

Start at: 2019-10-28 02:41:01
End at: 2019-10-28 02:41:31

# Below is generated by plot.py at 2019-10-28 03:24:58
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 8.08 Mbit/s (80.7% utilization)
95th percentile per-packet one-way delay: 33.744 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 8.08 Mbit/s
95th percentile per-packet one-way delay: 33.744 ms
Loss rate: 1.19%
```

Run 4: Report of Eagle-007 — Data Link

```
Run 5: Statistics of Eagle-007

Start at: 2019-10-28 02:47:24
End at: 2019-10-28 02:47:54

# Below is generated by plot.py at 2019-10-28 03:25:00
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 6.61 Mbit/s (66.1% utilization)
95th percentile per-packet one-way delay: 34.184 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 6.61 Mbit/s
95th percentile per-packet one-way delay: 34.184 ms
Loss rate: 1.50%
```

Run 5: Report of Eagle-007 — Data Link

```
Run 6: Statistics of Eagle-007

Start at: 2019-10-28 02:53:45
End at: 2019-10-28 02:54:15

# Below is generated by plot.py at 2019-10-28 03:25:00
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 0.06 Mbit/s (0.6% utilization)
95th percentile per-packet one-way delay: 30.540 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 30.540 ms
Loss rate: 0.00%
```

Run 6: Report of Eagle-007 — Data Link

```
Run 7: Statistics of Eagle-007

Start at: 2019-10-28 03:00:05
End at: 2019-10-28 03:00:35

# Below is generated by plot.py at 2019-10-28 03:25:00
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 0.12 Mbit/s (1.2% utilization)
95th percentile per-packet one-way delay: 30.510 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 30.510 ms
Loss rate: 0.00%
```

Run 7: Report of Eagle-007 — Data Link

```
Run 8: Statistics of Eagle-007

Start at: 2019-10-28 03:06:26
End at: 2019-10-28 03:06:56

# Below is generated by plot.py at 2019-10-28 03:25:01
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 1.70 Mbit/s (17.0% utilization)
95th percentile per-packet one-way delay: 45.228 ms
Loss rate: 5.15%
-- Flow 1:
Average throughput: 1.70 Mbit/s
95th percentile per-packet one-way delay: 45.228 ms
Loss rate: 5.15%
```

Run 8: Report of Eagle-007 — Data Link

```
Run 9: Statistics of Eagle-007

Start at: 2019-10-28 03:12:45
End at: 2019-10-28 03:13:15

# Below is generated by plot.py at 2019-10-28 03:25:06
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 5.63 Mbit/s (56.3% utilization)
95th percentile per-packet one-way delay: 35.634 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 5.63 Mbit/s
95th percentile per-packet one-way delay: 35.634 ms
Loss rate: 1.64%
```

Run 9: Report of Eagle-007 — Data Link

```
Run 10: Statistics of Eagle-007

Start at: 2019-10-28 03:19:05
End at: 2019-10-28 03:19:35

# Below is generated by plot.py at 2019-10-28 03:25:06
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 6.50 Mbit/s (65.0% utilization)
95th percentile per-packet one-way delay: 33.602 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 6.50 Mbit/s
95th percentile per-packet one-way delay: 33.602 ms
Loss rate: 1.41%
```

Run 10: Report of Eagle-007 — Data Link

```
Run 1: Statistics of Eagle-008

Start at: 2019-10-28 02:22:33
End at: 2019-10-28 02:23:03

# Below is generated by plot.py at 2019-10-28 03:25:07
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 7.02 Mbit/s (70.2% utilization)
95th percentile per-packet one-way delay: 37.292 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 7.02 Mbit/s
95th percentile per-packet one-way delay: 37.292 ms
Loss rate: 0.13%
```

Run 1: Report of Eagle-008 — Data Link

```
Run 2: Statistics of Eagle-008

Start at: 2019-10-28 02:28:53
End at: 2019-10-28 02:29:23

# Below is generated by plot.py at 2019-10-28 03:25:07
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 0.07 Mbit/s (0.7% utilization)
95th percentile per-packet one-way delay: 30.433 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 30.433 ms
Loss rate: 0.00%
```

Run 2: Report of Eagle-008 — Data Link

```
Run 3: Statistics of Eagle-008

Start at: 2019-10-28 02:35:14
End at: 2019-10-28 02:35:44

# Below is generated by plot.py at 2019-10-28 03:25:09
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 4.15 Mbit/s (41.5% utilization)
95th percentile per-packet one-way delay: 39.911 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 4.15 Mbit/s
95th percentile per-packet one-way delay: 39.911 ms
Loss rate: 2.15%
```

Run 3: Report of Eagle-008 — Data Link

```
Run 4: Statistics of Eagle-008

Start at: 2019-10-28 02:41:35
End at: 2019-10-28 02:42:05

# Below is generated by plot.py at 2019-10-28 03:25:09
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 0.06 Mbit/s (0.6% utilization)
95th percentile per-packet one-way delay: 30.548 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 30.548 ms
Loss rate: 0.00%
```

Run 4: Report of Eagle-008 — Data Link

```
Run 5: Statistics of Eagle-008

Start at: 2019-10-28 02:47:58
End at: 2019-10-28 02:48:28

# Below is generated by plot.py at 2019-10-28 03:25:13
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 3.15 Mbit/s (31.5% utilization)
95th percentile per-packet one-way delay: 44.736 ms
Loss rate: 2.74%
-- Flow 1:
Average throughput: 3.15 Mbit/s
95th percentile per-packet one-way delay: 44.736 ms
Loss rate: 2.74%
```

Run 5: Report of Eagle-008 — Data Link

```
Run 6: Statistics of Eagle-008

Start at: 2019-10-28 02:54:19
End at: 2019-10-28 02:54:49

# Below is generated by plot.py at 2019-10-28 03:25:13
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 1.95 Mbit/s (19.5% utilization)
95th percentile per-packet one-way delay: 44.981 ms
Loss rate: 4.43%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 44.981 ms
Loss rate: 4.43%
```

Run 6: Report of Eagle-008 — Data Link

```
Run 7: Statistics of Eagle-008

Start at: 2019-10-28 03:00:39
End at: 2019-10-28 03:01:09

# Below is generated by plot.py at 2019-10-28 03:25:13
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 0.14 Mbit/s (1.4% utilization)
95th percentile per-packet one-way delay: 30.760 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 30.760 ms
Loss rate: 0.00%
```

Run 7: Report of Eagle-008 — Data Link

```
Run 8: Statistics of Eagle-008

Start at: 2019-10-28 03:07:00
End at: 2019-10-28 03:07:30

# Below is generated by plot.py at 2019-10-28 03:25:14
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 2.87 Mbit/s (28.7% utilization)
95th percentile per-packet one-way delay: 44.402 ms
Loss rate: 2.97%
-- Flow 1:
Average throughput: 2.87 Mbit/s
95th percentile per-packet one-way delay: 44.402 ms
Loss rate: 2.97%
```

Run 8: Report of Eagle-008 — Data Link

```
Run 9: Statistics of Eagle-008

Start at: 2019-10-28 03:13:20
End at: 2019-10-28 03:13:50

# Below is generated by plot.py at 2019-10-28 03:25:16
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 1.11 Mbit/s (11.1% utilization)
95th percentile per-packet one-way delay: 46.407 ms
Loss rate: 7.66%
-- Flow 1:
Average throughput: 1.11 Mbit/s
95th percentile per-packet one-way delay: 46.407 ms
Loss rate: 7.66%
```

Run 9: Report of Eagle-008 — Data Link

```
Run 10: Statistics of Eagle-008

Start at: 2019-10-28 03:19:40
End at: 2019-10-28 03:20:10

# Below is generated by plot.py at 2019-10-28 03:25:18
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 0.77 Mbit/s (7.7% utilization)
95th percentile per-packet one-way delay: 45.412 ms
Loss rate: 10.74%
-- Flow 1:
Average throughput: 0.77 Mbit/s
95th percentile per-packet one-way delay: 45.412 ms
Loss rate: 10.74%
```

Run 10: Report of Eagle-008 — Data Link

```
Run 1: Statistics of Eagle-expert

Start at: 2019-10-28 02:23:08
End at: 2019-10-28 02:23:38

# Below is generated by plot.py at 2019-10-28 03:25:18
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 0.23 Mbit/s (2.3% utilization)
95th percentile per-packet one-way delay: 30.582 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 30.582 ms
Loss rate: 0.00%
```

Run 1: Report of Eagle-expert — Data Link

```
Run 2: Statistics of Eagle-expert

Start at: 2019-10-28 02:29:27
End at: 2019-10-28 02:29:57

# Below is generated by plot.py at 2019-10-28 03:25:18
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 0.10 Mbit/s (1.0% utilization)
95th percentile per-packet one-way delay: 30.460 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 30.460 ms
Loss rate: 0.00%
```

Run 2: Report of Eagle-expert — Data Link

```
Run 3: Statistics of Eagle-expert

Start at: 2019-10-28 02:35:48
End at: 2019-10-28 02:36:18

# Below is generated by plot.py at 2019-10-28 03:25:22
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 5.36 Mbit/s (53.6% utilization)
95th percentile per-packet one-way delay: 44.727 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 5.36 Mbit/s
95th percentile per-packet one-way delay: 44.727 ms
Loss rate: 1.96%
```

Run 3: Report of Eagle-expert — Data Link

```
Run 4: Statistics of Eagle-expert

Start at: 2019-10-28 02:42:09
End at: 2019-10-28 02:42:40

# Below is generated by plot.py at 2019-10-28 03:25:26
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 8.26 Mbit/s (82.6% utilization)
95th percentile per-packet one-way delay: 41.450 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 8.26 Mbit/s
95th percentile per-packet one-way delay: 41.450 ms
Loss rate: 1.19%
```

Run 4: Report of Eagle-expert — Data Link

```
Run 5: Statistics of Eagle-expert

Start at: 2019-10-28 02:48:33
End at: 2019-10-28 02:49:03

# Below is generated by plot.py at 2019-10-28 03:25:26
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 8.45 Mbit/s (84.5% utilization)
95th percentile per-packet one-way delay: 45.060 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 8.45 Mbit/s
95th percentile per-packet one-way delay: 45.060 ms
Loss rate: 1.78%
```

Run 5: Report of Eagle-expert — Data Link

```
Run 6: Statistics of Eagle-expert

Start at: 2019-10-28 02:54:54
End at: 2019-10-28 02:55:24

# Below is generated by plot.py at 2019-10-28 03:25:26
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 0.33 Mbit/s (3.3% utilization)
95th percentile per-packet one-way delay: 30.532 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 30.532 ms
Loss rate: 0.00%
```

Run 6: Report of Eagle-expert — Data Link

```
Run 7: Statistics of Eagle-expert

Start at: 2019-10-28 03:01:13
End at: 2019-10-28 03:01:43

# Below is generated by plot.py at 2019-10-28 03:25:30
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 7.79 Mbit/s (77.9% utilization)
95th percentile per-packet one-way delay: 38.882 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 7.79 Mbit/s
95th percentile per-packet one-way delay: 38.882 ms
Loss rate: 1.24%
```

Run 7: Report of Eagle-expert — Data Link

```
Run 8: Statistics of Eagle-expert

Start at: 2019-10-28 03:07:34
End at: 2019-10-28 03:08:04

# Below is generated by plot.py at 2019-10-28 03:25:30
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 0.14 Mbit/s (1.4% utilization)
95th percentile per-packet one-way delay: 30.457 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 30.457 ms
Loss rate: 0.00%
```

Run 8: Report of Eagle-expert — Data Link

```
Run 9: Statistics of Eagle-expert

Start at: 2019-10-28 03:13:54
End at: 2019-10-28 03:14:24

# Below is generated by plot.py at 2019-10-28 03:25:33
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 8.03 Mbit/s (80.3% utilization)
95th percentile per-packet one-way delay: 34.952 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 8.03 Mbit/s
95th percentile per-packet one-way delay: 34.952 ms
Loss rate: 1.25%
```

Run 9: Report of Eagle-expert — Data Link

```
Run 10: Statistics of Eagle-expert

Start at: 2019-10-28 03:20:14
End at: 2019-10-28 03:20:44

# Below is generated by plot.py at 2019-10-28 03:25:34
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 8.08 Mbit/s (80.8% utilization)
95th percentile per-packet one-way delay: 44.761 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 8.08 Mbit/s
95th percentile per-packet one-way delay: 44.761 ms
Loss rate: 1.52%
```

Run 10: Report of Eagle-expert — Data Link

```
Run 1: Statistics of Indigo

Start at: 2019-10-28 02:24:51
End at: 2019-10-28 02:25:21

# Below is generated by plot.py at 2019-10-28 03:25:35
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.53 Mbit/s (95.3% utilization)
95th percentile per-packet one-way delay: 44.617 ms
Loss rate: 12.07%
-- Flow 1:
Average throughput: 9.53 Mbit/s
95th percentile per-packet one-way delay: 44.617 ms
Loss rate: 12.07%
```

Run 1: Report of Indigo — Data Link

```
Run 2: Statistics of Indigo

Start at: 2019-10-28 02:31:11
End at: 2019-10-28 02:31:41

# Below is generated by plot.py at 2019-10-28 03:25:38
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.49 Mbit/s (94.9% utilization)
95th percentile per-packet one-way delay: 44.447 ms
Loss rate: 8.92%
-- Flow 1:
Average throughput: 9.49 Mbit/s
95th percentile per-packet one-way delay: 44.447 ms
Loss rate: 8.92%
```

Run 2: Report of Indigo — Data Link

```
Run 3: Statistics of Indigo

Start at: 2019-10-28 02:37:32
End at: 2019-10-28 02:38:02

# Below is generated by plot.py at 2019-10-28 03:25:43
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.52 Mbit/s (95.2% utilization)
95th percentile per-packet one-way delay: 43.841 ms
Loss rate: 6.01%
-- Flow 1:
Average throughput: 9.52 Mbit/s
95th percentile per-packet one-way delay: 43.841 ms
Loss rate: 6.01%
```

Run 3: Report of Indigo — Data Link

```
Run 4: Statistics of Indigo

Start at: 2019-10-28 02:43:53
End at: 2019-10-28 02:44:23

# Below is generated by plot.py at 2019-10-28 03:25:44
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.51 Mbit/s (95.1% utilization)
95th percentile per-packet one-way delay: 44.952 ms
Loss rate: 15.81%
-- Flow 1:
Average throughput: 9.51 Mbit/s
95th percentile per-packet one-way delay: 44.952 ms
Loss rate: 15.81%
```

Run 4: Report of Indigo — Data Link

```
Run 5: Statistics of Indigo

Start at: 2019-10-28 02:50:17
End at: 2019-10-28 02:50:47

# Below is generated by plot.py at 2019-10-28 03:25:44
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 8.89 Mbit/s (88.9% utilization)
95th percentile per-packet one-way delay: 43.132 ms
Loss rate: 4.21%
-- Flow 1:
Average throughput: 8.89 Mbit/s
95th percentile per-packet one-way delay: 43.132 ms
Loss rate: 4.21%
```

Run 5: Report of Indigo — Data Link

```
Run 6: Statistics of Indigo

Start at: 2019-10-28 02:56:37
End at: 2019-10-28 02:57:07

# Below is generated by plot.py at 2019-10-28 03:25:47
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.44 Mbit/s (94.4% utilization)
95th percentile per-packet one-way delay: 44.040 ms
Loss rate: 7.05%
-- Flow 1:
Average throughput: 9.44 Mbit/s
95th percentile per-packet one-way delay: 44.040 ms
Loss rate: 7.05%
```

Run 6: Report of Indigo — Data Link

```
Run 7: Statistics of Indigo

Start at: 2019-10-28 03:02:58
End at: 2019-10-28 03:03:28

# Below is generated by plot.py at 2019-10-28 03:25:51
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.51 Mbit/s (95.1% utilization)
95th percentile per-packet one-way delay: 45.232 ms
Loss rate: 24.01%
-- Flow 1:
Average throughput: 9.51 Mbit/s
95th percentile per-packet one-way delay: 45.232 ms
Loss rate: 24.01%
```

Run 7: Report of Indigo — Data Link

```
Run 8: Statistics of Indigo

Start at: 2019-10-28 03:09:18
End at: 2019-10-28 03:09:48

# Below is generated by plot.py at 2019-10-28 03:25:51
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.33 Mbit/s (93.3% utilization)
95th percentile per-packet one-way delay: 35.391 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 9.33 Mbit/s
95th percentile per-packet one-way delay: 35.391 ms
Loss rate: 1.65%
```

Run 8: Report of Indigo — Data Link

```
Run 9: Statistics of Indigo

Start at: 2019-10-28 03:15:38
End at: 2019-10-28 03:16:08

# Below is generated by plot.py at 2019-10-28 03:25:54
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.53 Mbit/s (95.3% utilization)
95th percentile per-packet one-way delay: 43.957 ms
Loss rate: 6.52%
-- Flow 1:
Average throughput: 9.53 Mbit/s
95th percentile per-packet one-way delay: 43.957 ms
Loss rate: 6.52%
```

Run 9: Report of Indigo — Data Link

```
Run 10: Statistics of Indigo

Start at: 2019-10-28 03:21:58
End at: 2019-10-28 03:22:28

# Below is generated by plot.py at 2019-10-28 03:25:56
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 9.49 Mbit/s (94.9% utilization)
95th percentile per-packet one-way delay: 35.141 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 9.49 Mbit/s
95th percentile per-packet one-way delay: 35.141 ms
Loss rate: 1.82%
```

Run 10: Report of Indigo — Data Link

```
Run 1: Statistics of Synthesized-BBR

Start at: 2019-10-28 02:23:42
End at: 2019-10-28 02:24:12

# Below is generated by plot.py at 2019-10-28 03:25:59
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 8.10 Mbit/s (81.0% utilization)
95th percentile per-packet one-way delay: 42.548 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 8.10 Mbit/s
95th percentile per-packet one-way delay: 42.548 ms
Loss rate: 0.81%
```

Run 1: Report of Synthesized-BBR — Data Link

```
Run 2: Statistics of Synthesized-BBR

Start at: 2019-10-28 02:30:02
End at: 2019-10-28 02:30:32

# Below is generated by plot.py at 2019-10-28 03:26:00
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 8.15 Mbit/s (81.5% utilization)
95th percentile per-packet one-way delay: 43.503 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 8.15 Mbit/s
95th percentile per-packet one-way delay: 43.503 ms
Loss rate: 0.89%
```

Run 2: Report of Synthesized-BBR — Data Link

```
Run 3: Statistics of Synthesized-BBR

Start at: 2019-10-28 02:36:23
End at: 2019-10-28 02:36:53

# Below is generated by plot.py at 2019-10-28 03:26:02
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 8.14 Mbit/s (81.4% utilization)
95th percentile per-packet one-way delay: 42.483 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 8.14 Mbit/s
95th percentile per-packet one-way delay: 42.483 ms
Loss rate: 0.84%
```

Run 3: Report of Synthesized-BBR — Data Link

```
Run 4: Statistics of Synthesized-BBR

Start at: 2019-10-28 02:42:44
End at: 2019-10-28 02:43:14

# Below is generated by plot.py at 2019-10-28 03:26:04
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 6.50 Mbit/s (65.0% utilization)
95th percentile per-packet one-way delay: 41.250 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 6.50 Mbit/s
95th percentile per-packet one-way delay: 41.250 ms
Loss rate: 0.25%
```

Run 4: Report of Synthesized-BBR — Data Link

```
Run 5: Statistics of Synthesized-BBR

Start at: 2019-10-28 02:49:08
End at: 2019-10-28 02:49:38

# Below is generated by plot.py at 2019-10-28 03:26:06
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 6.35 Mbit/s (63.5% utilization)
95th percentile per-packet one-way delay: 41.633 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 6.35 Mbit/s
95th percentile per-packet one-way delay: 41.633 ms
Loss rate: 0.33%
```

Run 5: Report of Synthesized-BBR — Data Link

```
Run 6: Statistics of Synthesized-BBR

Start at: 2019-10-28 02:55:28
End at: 2019-10-28 02:55:58

# Below is generated by plot.py at 2019-10-28 03:26:08
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 6.38 Mbit/s (63.8% utilization)
95th percentile per-packet one-way delay: 41.914 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 6.38 Mbit/s
95th percentile per-packet one-way delay: 41.914 ms
Loss rate: 0.39%
```

Run 6: Report of Synthesized-BBR — Data Link

```
Run 7: Statistics of Synthesized-BBR

Start at: 2019-10-28 03:01:48
End at: 2019-10-28 03:02:18

# Below is generated by plot.py at 2019-10-28 03:26:11
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 8.08 Mbit/s (80.8% utilization)
95th percentile per-packet one-way delay: 41.904 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 8.08 Mbit/s
95th percentile per-packet one-way delay: 41.904 ms
Loss rate: 0.77%
```

Run 7: Report of Synthesized-BBR — Data Link

```
Run 8: Statistics of Synthesized-BBR

Start at: 2019-10-28 03:08:09
End at: 2019-10-28 03:08:39

# Below is generated by plot.py at 2019-10-28 03:26:11
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 8.25 Mbit/s (82.5% utilization)
95th percentile per-packet one-way delay: 43.507 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 8.25 Mbit/s
95th percentile per-packet one-way delay: 43.507 ms
Loss rate: 0.89%
```

Run 8: Report of Synthesized-BBR — Data Link

```
Run 9: Statistics of Synthesized-BBR

Start at: 2019-10-28 03:14:29
End at: 2019-10-28 03:14:59

# Below is generated by plot.py at 2019-10-28 03:26:13
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 8.12 Mbit/s (81.2% utilization)
95th percentile per-packet one-way delay: 42.277 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 8.12 Mbit/s
95th percentile per-packet one-way delay: 42.277 ms
Loss rate: 0.78%
```

Run 9: Report of Synthesized-BBR — Data Link

```
Run 10: Statistics of Synthesized-BBR

Start at: 2019-10-28 03:20:49
End at: 2019-10-28 03:21:19

# Below is generated by plot.py at 2019-10-28 03:26:14
# Datalink statistics
-- Total of 1 flow:
Average capacity: 10.00 Mbit/s
Average throughput: 8.19 Mbit/s (81.9% utilization)
95th percentile per-packet one-way delay: 43.420 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 8.19 Mbit/s
95th percentile per-packet one-way delay: 43.420 ms
Loss rate: 0.92%
```

Run 10: Report of Synthesized-BBR — Data Link