
General Simulation Information

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Num Servers Per TOR:      3      Num Sender Hosts:      2      Load Factor:          %1.785714
Num TORs:                 1      Num Receiver Hosts:    1      Start Time:           0s
Server Link Speed:        10Gb/s  Workload Type:         PRESET_IN_FILE        Stop Time:             9.5s
Fabric Link Speed:        40Gb/s  InterArrival Dist:     preset_in_file        Warmup Time:          0ms
Fabric Link Delay         0.0us   SW Turn-around Time:   0.5us   NIC Send ThinkTime:   0.5us
Edge Link Delay           0.0us   Switch Fix Delay:      0.25us
    
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Receiver's Outstanding Bytes(@ packet arrivals) and Grants (@ new grants)

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In Flight Bytes          mean   stddev   min    median  75%ile  99%ile  max    count
                        (KB)   (KB)    (KB)   (KB)    (KB)    (KB)   (KB)
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Outstanding Grant Bytes: 7.51   0.10    1.50   7.44    7.44    7.44    7.51   6869
Outstanding Total Bytes: 7.51   0.13    0.17   7.44    7.44    7.44    7.51   6869
    
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Homa Packets Traffic Rates

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Homa Packet Type        AvgRate   CumRate   MinRate   MaxRate
                        (Mb/s)    (Mb/s)    (Mb/s)    (Mb/s)
-----
SX NICs Req. SxRate:    44.51     89.01     0.15      88.86
SX NICs Unsched. SxRate: 0.00      0.00      0.00      0.00
SX NICs Sched. SxRate:  4879.59  9759.19   0.00      9759.19
RX NICs Grant SxRate:   424.37   424.37   424.37    424.37
    
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Traffic Characteristic (Rates, Bytes, and DutyCycle)

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Measurement Point      AvgRate   CumRate   MinRate   MaxRate   CumBytes   Avg Duty   Min Duty   Max Duty
                        (Gb/s)    (Gb/s)    (Gb/s)    (Gb/s)    (MB)       Cycle(%)  Cycle(%)  Cycle(%)
-----
SX Apps Send:         inf       inf       0.05      inf       10.06
SX NICs Send:         4.92     9.85     0.09      9.76     10.52
All NICs Send:        3.42     10.27    0.09      9.76     10.97
TORs Down Recv:       3.42     10.27    0.09      9.76     10.97
TORs Up Send:
TORs Up Recv:
TORs Down Send:       3.42     10.27    0.00      9.85     10.97
ALL NICs Recv:        3.42     10.27    0.00      9.85     10.97
RX NICs Recv:         9.85     9.85     9.85      9.85     10.52
RX Apps Recv:         9.42     9.42     9.42      9.42     10.06
    
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Queue Length (Stats Collected At Pkt Arrivals)

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Queue Location         Mean      StdDev    Mean      StdDev    Empty     OnePkt     Min      Min      Max      Max
                        (Pkts)   (Pkts)   (KB)     (KB)     %         %         (Pkts)  (KB)    (Pkts)  (KB)
-----
SX Transports         0.00     0.00     0.00     0.00     nan      nan      0.00    0.00    0.00    0.00
SX NICs               0.00     0.00     0.00     0.00     100.00   0.00     0.00    0.00    0.00    0.00
All NICs              0.00     0.00     0.00     0.00     100.00   0.00     0.00    0.00    0.00    0.00
SX TORs Up            nan      nan      nan      nan      nan      nan      nan     nan     nan     nan
All TORs Up           nan      nan      nan      nan      nan      nan      nan     nan     nan     nan
RX TORs Down          1.08     0.27     0.23     0.23     0.12     92.03    0.00    0.00    2.00    1.58
All TORs Down         0.56     0.14     0.12     0.12     48.02    47.90    0.00    0.00    2.00    1.58
    
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Queue Wait Time Stats

Packet Type: Request

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Queue Location         mean     mean     stddev   min     median   75%ile   99%ile   max     count
                        (us)    (%)     (us)    (us)    (us)    (us)    (us)    (us)
-----
Host NICs:            0.00    0.00    -nan     0.00    0.00    0.00    0.00    0.00    587
TORs upward NICs:    0.00    0.00    0.00    inf     0.00    0.00    0.00    0.00    0
Aggr Switch NICs:    0.00    0.00    0.00    inf     0.00    0.00    0.00    0.00    0
TORs downward NICs:  0.61   100.00  0.36    0.00    0.57    0.90    1.15    1.23    587
Total:                0.61   100.00
    
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Packet Type: Unsched. Data

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Queue Location         mean     mean     stddev   min     median   75%ile   99%ile   max     count
                        (us)    (%)     (us)    (us)    (us)    (us)    (us)    (us)
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End To End Message Stretch For Different Ranges of Message Sizes

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Msg Size Range	mean	stddev	min	median	75%ile	99%ile	max	count	count%
(0, 100]	1.32	0.18	1.01	1.26	1.42	1.58	2.37	586	99.83
(100, 1448]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
(1448, 10000]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
(10000, 100000]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
(100000, 1000000]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
(1000000, Huge]	1.02	-nan	1.02	1.02	1.02	1.02	1.02	1	0.17

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