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General Simulation Information

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)

In Flight Bytes	mean	stddev	min	median	75%ile	99%ile	max	count
	(KB)	(KB)	(KB)	(KB)	(KB)	(KB)	(KB)	
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

Homa Packet Type	AvgRate	CumRate	MinRate	MaxRate
	(Mb/s)	(Mb/s)	(Mb/s)	(Mb/s)
SX NICs Req. SxRate:	3115.33	6230.65	0.05	6230.60
SX NICs Unshed. SxRate:	0.00	0.00	0.00	0.00
SX NICs Sched. SxRate:	1479.75	2959.51	0.00	2959.51
RX NICs Grant SxRate:	128.69	128.69	128.69	128.69

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Traffic Characteristic (Rates, Bytes, and DutyCycle)

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	3.85	inf	23.55			
SX NICs Send:	4.60	9.19	2.96	6.23	32.38	47.57	29.75	65.38
All NICs Send:	3.11	9.32	0.13	6.23	32.83	32.19	1.44	65.38
TORs Down Recv:	3.11	9.32	0.13	6.23	32.83	32.19	1.44	65.38
TORs Up Send:								
TORs Up Recv:								
TORs Down Send:	3.11	9.32	0.00	9.19	32.83	32.19	0.00	95.13
ALL NICs Recv:	3.11	9.32	0.00	9.19	32.83	32.19	0.00	95.13
RX NICs Recv:	9.19	9.19	9.19	9.19	32.37	95.13	95.13	95.13
RX Apps Recv:	6.68	6.68	6.68	6.68	23.55			

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Queue Length (Stats Collected At Pkt Arrivals)

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	0.08	0.00	0.01	99.98	0.00	0.00	0.00	9.00	1.43
All NICs	0.00	0.07	0.00	0.01	99.98	0.00	0.00	0.00	9.00	1.43
SX TORs Up	nan	nan	nan	nan	nan	nan				
All TORs Up	nan	nan	nan	nan	nan	nan				
RX TORs Down	7.04	1.52	5.85	0.47	0.00	0.00	0.00	0.00	13.00	6.85
All TORs Down	6.72	1.45	5.58	0.45	4.61	0.00	0.00	0.00	13.00	6.85

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Queue Wait Time Stats

Packet Type: Request

Queue Location	mean	mean	stddev	min	median	75%ile	99%ile	max	count
	(us)	(%)	(us)	(us)	(us)	(us)	(us)	(us)	
Host NICs:	0.00	0.02	-nan	0.00	0.00	0.00	0.00	1.29	135491
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:	0.62	99.98	0.36	0.00	0.60	0.84	1.20	1.79	135488
Total:	0.62	100.00							

Packet Type: Unshed. Data

Queue Location	mean	mean	stddev	min	median	75%ile	99%ile	max	count
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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]	1.31	0.18	1.01	1.13	1.32	1.51	2.82	135482	100.00
(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]	3.37	-nan	3.37	3.37	3.37	3.37	3.37	1	0.00

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