

IxChariot

Summary - C:\Users\Brian Dipert\Documents\My Dropbox\AnandTech\Powerline networking\IxChariot\NETGEAR1901\TCP\1 to 4 (Quad)\1to4TCPQuad.tst

Console version	7.10 SP4
Console build level	207
Console product type	IxChariot Eval
Filename	C:\Users\Brian Dipert\Documents\My Dropbox\AnandTech\Powerline networking\IxChariot\NETGEAR1901\TCP\1 to 4 (Quad)\1to4TCPQuad.tst
Run start time	Monday, August 08, 2011, 8:32:22 PM
Run end time	Monday, August 08, 2011, 8:35:58 PM
Elapsed time	00:03:36
How the test ended	Ran to completion
Number of pairs	4

Run Options

End type	Run until any pair ends
Reporting type	Real-time
Automatically poll endpoints	Yes
Polling interval (minutes)	1
Stop run upon initialization failure	Yes
Connect timeout during test (minutes)	0
Stop test after this many running pairs fail	1
Collect endpoint CPU utilization	No
Collect TCP statistics	No
Allow pair reinitialization for setup	No
Maximum number of setup reinitializations	3
Setup reinitialization wait interval (milliseconds)	10
Allow pair reinitialization at runtime	No
Maximum number of runtime reinitializations	3
Runtime reinitialization wait interval (milliseconds)	10
Validate data upon receipt	No
Use a new seed for random variables on every run	Yes
Enable Ixia hardware timestamps	Yes
Clock synchronization	'Endpoint synchronization'
Console Service Quality	
Endpoint Service Quality	
Number of Overlapped Sends	4

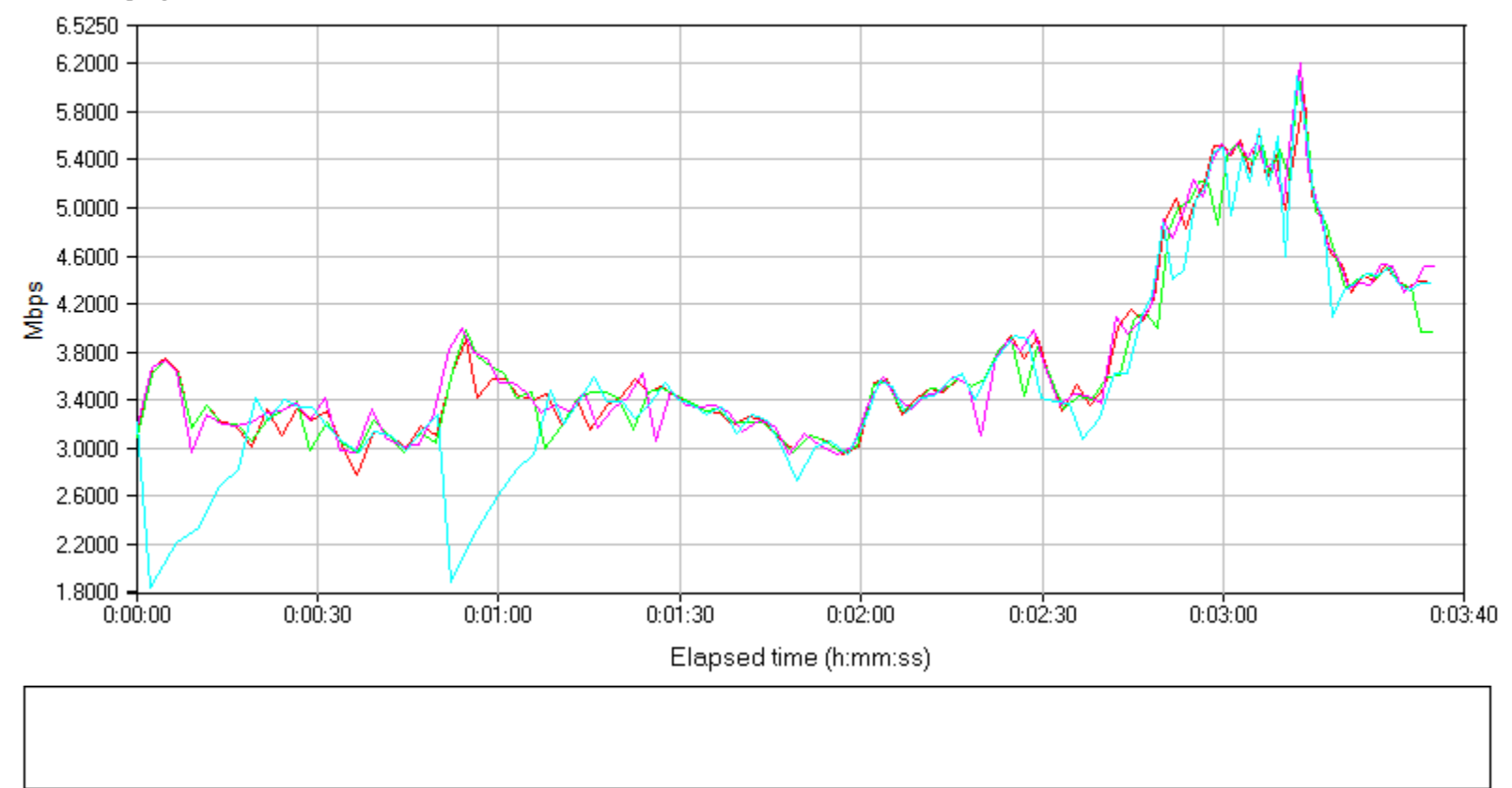
Test Execution (Endpoint 1 to Endpoint 2)

Group/ Pair	Endpoint 1	Endpoint 2	Network Protocol	Endpoint 1 Service Quality	Endpoint 2 Service Quality	Script/Stream Name
All Pairs						
Pair 1	10.0.1.141	10.0.1.140	TCP			Throughput_10x.scr
Pair 2	10.0.1.141	10.0.1.140	TCP			Throughput_10x.scr
Pair 3	10.0.1.141	10.0.1.140	TCP			Throughput_10x.scr
Pair 4	10.0.1.141	10.0.1.140	TCP			Throughput_10x.scr

Throughput

Group/ Pair	Average (Mbps)	Minimum (Mbps)	Maximum (Mbps)	Throughput 95% Confidence Interval	Measured Time (secs)	Relative Precision
All Pairs	14.570	1.838	6.202			
Pair 1	3.700	2.771	5.939	0.132	214.026	3.578
Pair 2	3.687	2.960	6.116	0.131	214.829	3.546
Pair 3	3.717	2.953	6.202	0.134	215.225	3.595
Pair 4	3.505	1.838	6.098	0.176	214.560	5.017
Totals:	14.570	1.838	6.202			

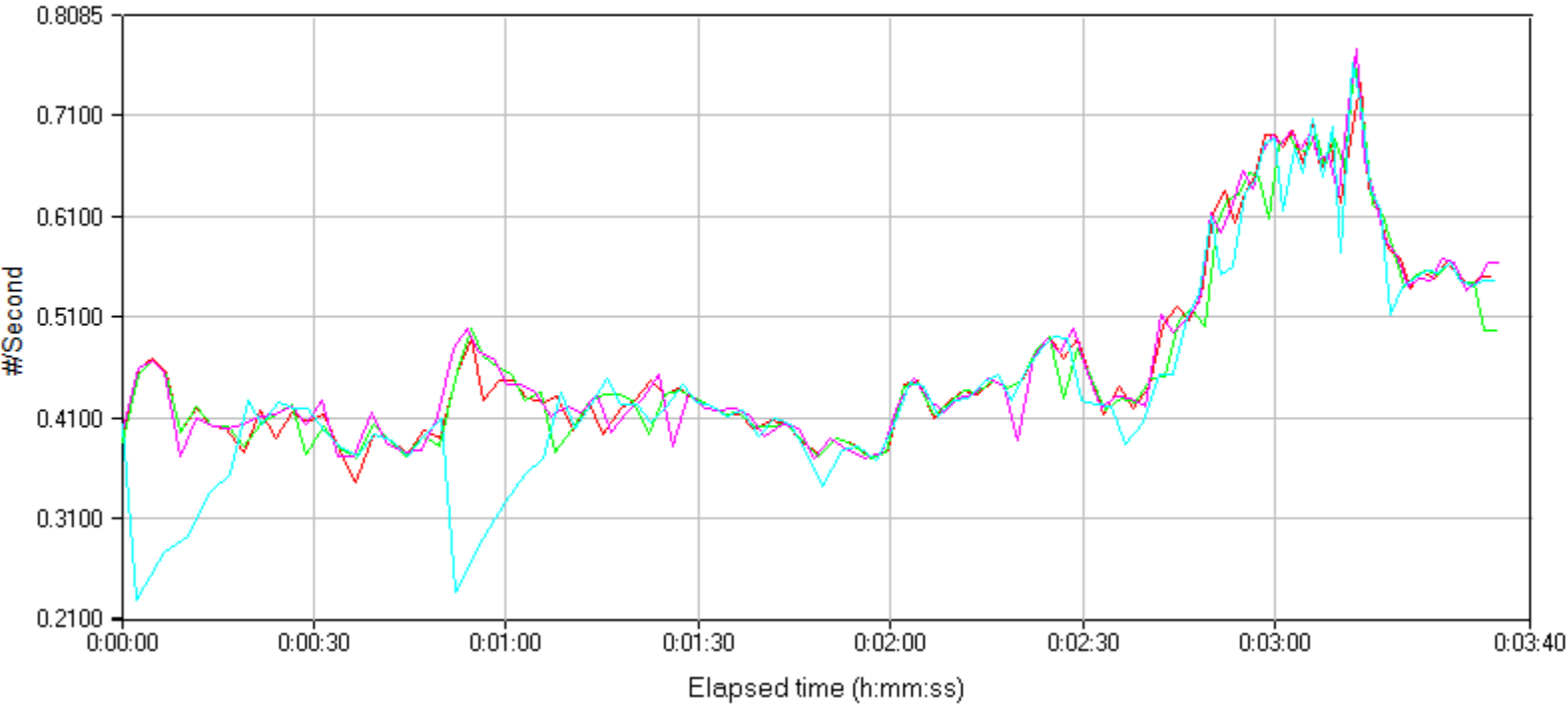
Throughput



Transaction Rate

Group/ Pair	Transaction Rate Average	Transaction Rate Minimum	Transaction Rate Maximum	Transaction Rate 95% Confidence Interval	Measured Time (secs)	Relative Precision
All Pairs	1.826	0.230	0.775			
Pair 1	0.463	0.346	0.742	0.017	214.026	3.578
Pair 2	0.461	0.370	0.765	0.016	214.829	3.546
Pair 3	0.465	0.369	0.775	0.017	215.225	3.595
Pair 4	0.438	0.230	0.762	0.022	214.560	5.017
Totals:	1.826	0.230	0.775			

Transaction rate

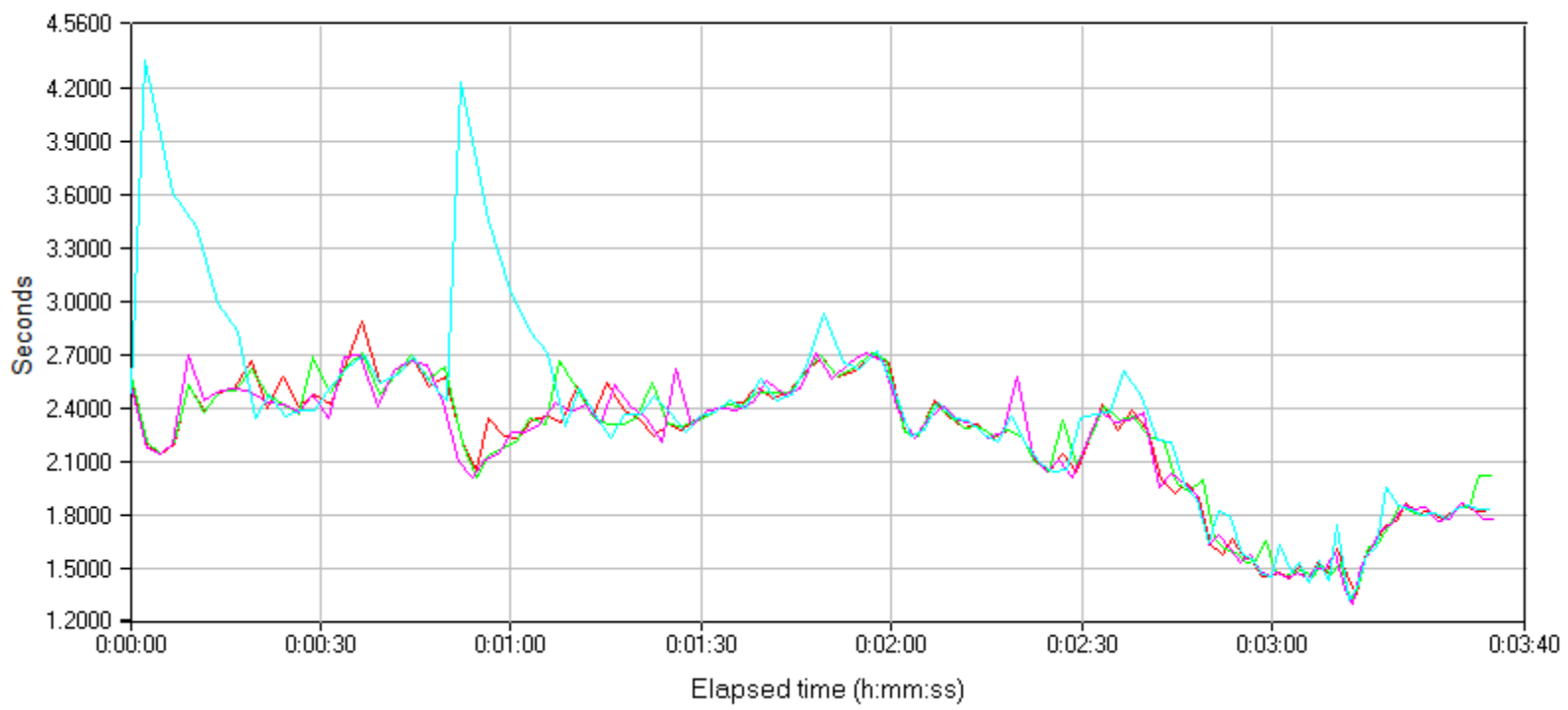


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Response Time

Group/ Pair	Response Time Average	Response Time Minimum	Response Time Maximum	Response Time 95% Confidence Interval	Measured Time (secs)	Relative Precision
All Pairs	2.192	1.290	4.352			
Pair 1	2.162	1.347	2.887	0.077	214.026	3.578
Pair 2	2.170	1.308	2.703	0.077	214.829	3.546
Pair 3	2.152	1.290	2.709	0.077	215.225	3.595
Pair 4	2.283	1.312	4.352	0.115	214.560	5.017
Totals:	2.192	1.290	4.352			

Response time



This network performance test was created and run using Ixia's *IxChariot*. Visit the [Ixia home page](#) for more information.