

IxChariot

**Summary - C:\Users\Brian Dipert\Documents\My
Dropbox\AnandTech\Powerline
networking\IxChariot\SigmaDesignsHomePlugAV\TCP\1 to 2 (Quad)
\1to2TCPQuad.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\SigmaDesignsHomePlugAV\TCP\1 to 2 (Quad)\1to2TCPQuad.tst
Run start time	Tuesday, August 09, 2011, 7:00:46 PM
Run end time	Tuesday, August 09, 2011, 7:02:12 PM
Elapsed time	00:01:26
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

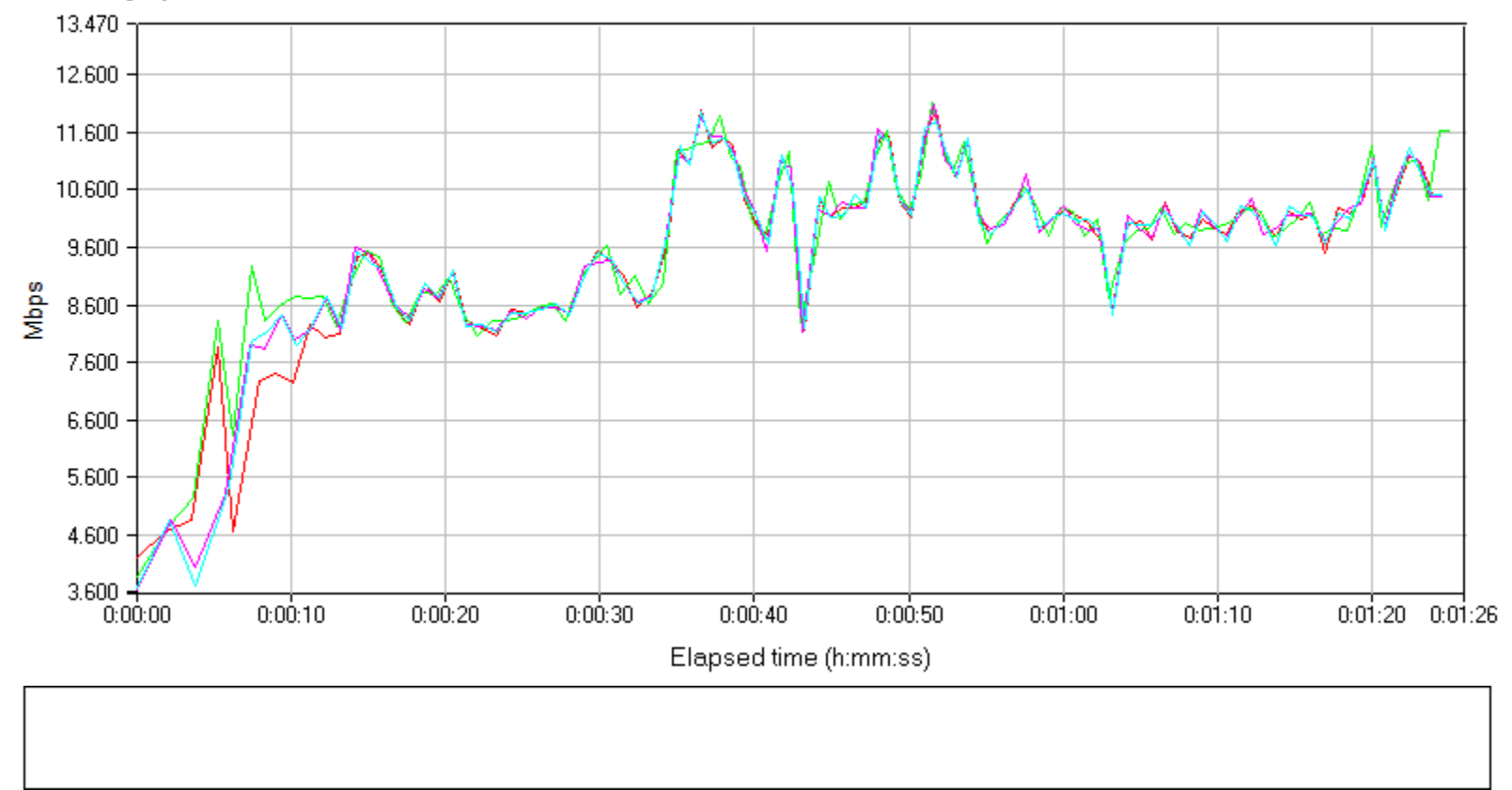
Test Execution (Endpoint 1 to Endpoint 2)

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

Throughput

Group/ Pair	Average (Mbps)	Minimum (Mbps)	Maximum (Mbps)	Throughput 95% Confidence Interval	Measured Time (secs)	Relative Precision
All Pairs	37.048	3.650	12.103			
Pair 1	9.270	4.199	11.994	0.448	84.575	4.837
Pair 2	9.404	3.876	12.103	0.417	85.067	4.437
Pair 3	9.275	3.650	12.066	0.489	84.526	5.267
Pair 4	9.269	3.695	11.958	0.501	84.580	5.409
Totals:	37.048	3.650	12.103			

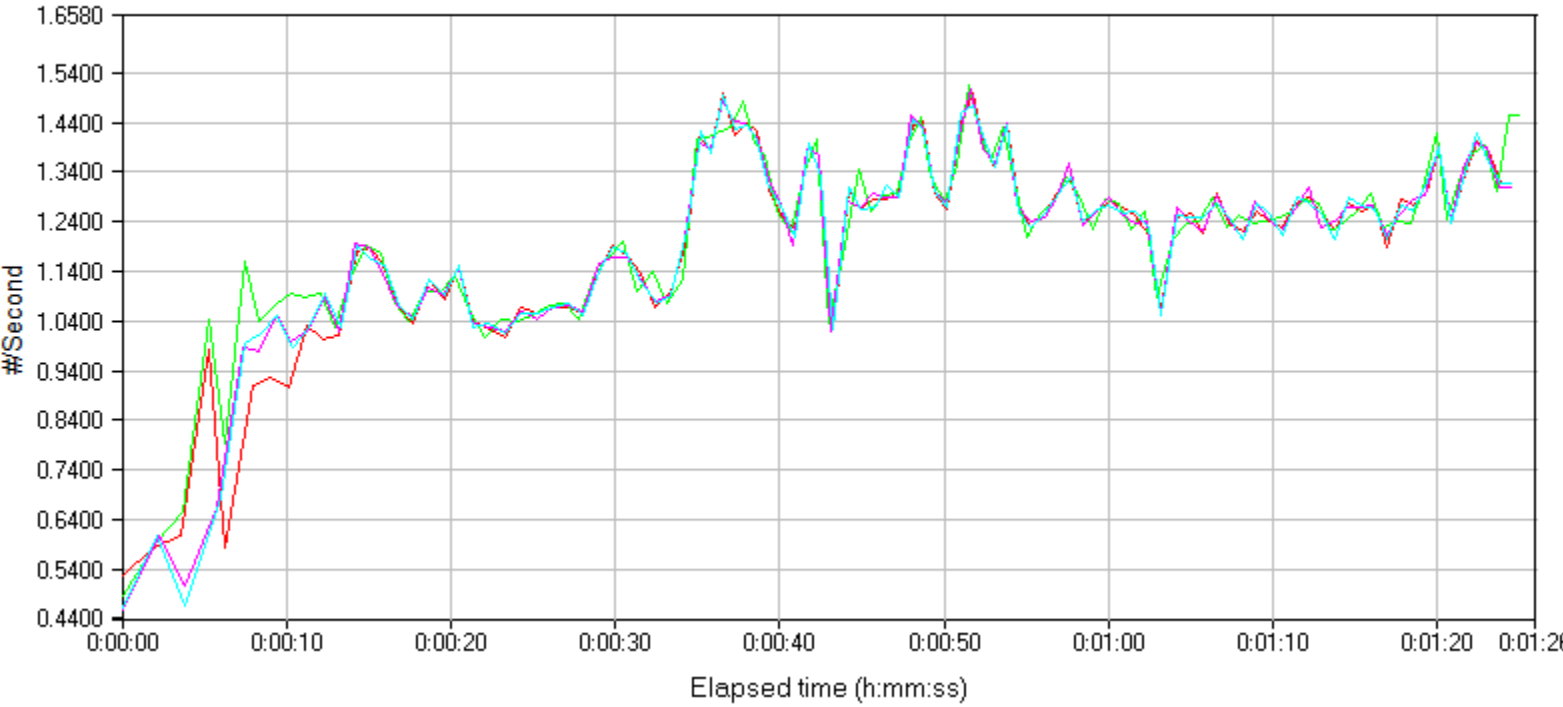
Throughput



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	4.652	0.456	1.513			
Pair 1	1.159	0.525	1.499	0.056	84.575	4.837
Pair 2	1.176	0.484	1.513	0.052	85.067	4.437
Pair 3	1.159	0.456	1.508	0.061	84.526	5.267
Pair 4	1.159	0.462	1.495	0.063	84.580	5.409
Totals:	4.652	0.456	1.513			

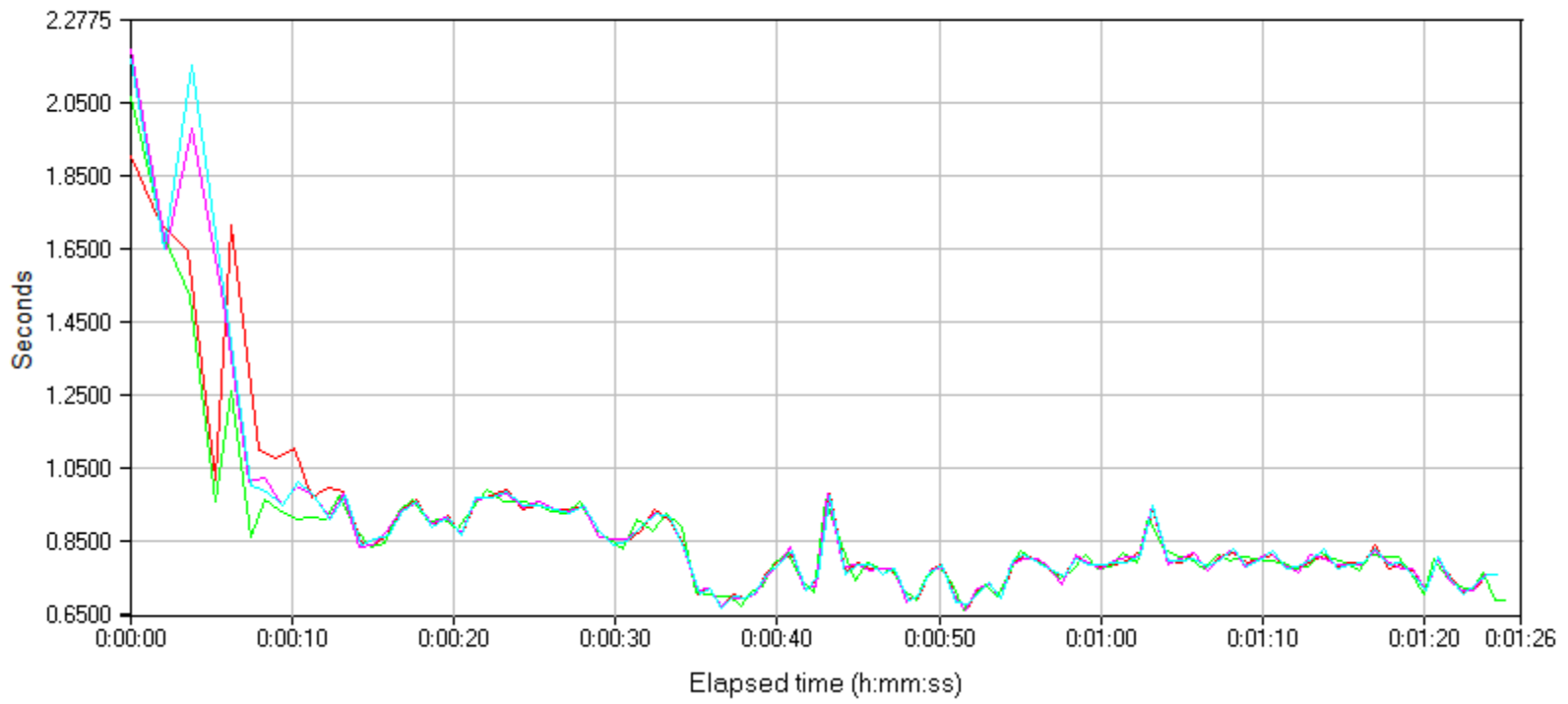
Transaction rate



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	0.860	0.661	2.192			
Pair 1	0.863	0.667	1.905	0.042	84.575	4.837
Pair 2	0.851	0.661	2.064	0.038	85.067	4.437
Pair 3	0.863	0.663	2.192	0.045	84.526	5.267
Pair 4	0.863	0.669	2.165	0.047	84.580	5.409
Totals:	0.860	0.661	2.192			

Response time



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