

# IxChariot

**Summary - C:\Users\Brian Dipert\Documents\My Dropbox\AnandTech\Powerline networking\IxChariot\NETGEAR1901\TCP\3 to 4 (Quad)\3to4TCPQuad.tst**

<b>Console version</b>	7.10 SP4
<b>Console build level</b>	207
<b>Console product type</b>	IxChariot Eval
<b>Filename</b>	C:\Users\Brian Dipert\Documents\My Dropbox\AnandTech\Powerline networking\IxChariot\NETGEAR1901\TCP\3 to 4 (Quad)\3to4TCPQuad.tst
<b>Run start time</b>	Monday, August 08, 2011, 8:11:04 PM
<b>Run end time</b>	Monday, August 08, 2011, 8:12:40 PM
<b>Elapsed time</b>	00:01:36
<b>How the test ended</b>	Ran to completion
<b>Number of pairs</b>	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

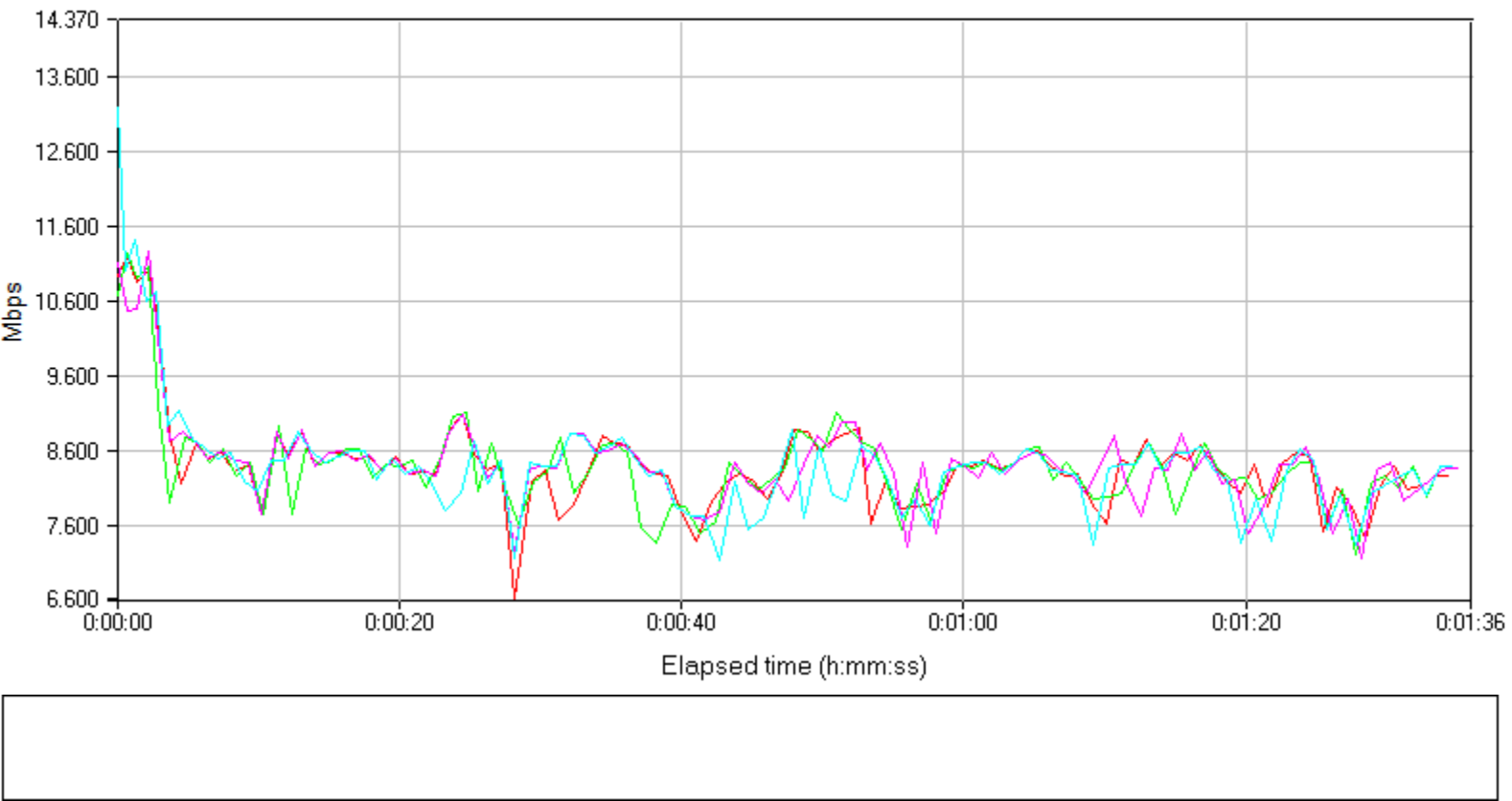
## Test Execution (Endpoint 1 to Endpoint 2)

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	33.381	6.601	13.201			
Pair 1	8.386	6.601	11.204	0.122	94.442	1.460
Pair 2	8.361	7.201	11.236	0.116	94.721	1.383
Pair 3	8.409	7.162	11.268	0.116	95.135	1.380
Pair 4	8.362	7.130	13.201	0.135	94.710	1.616
Totals:	33.381	6.601	13.201			

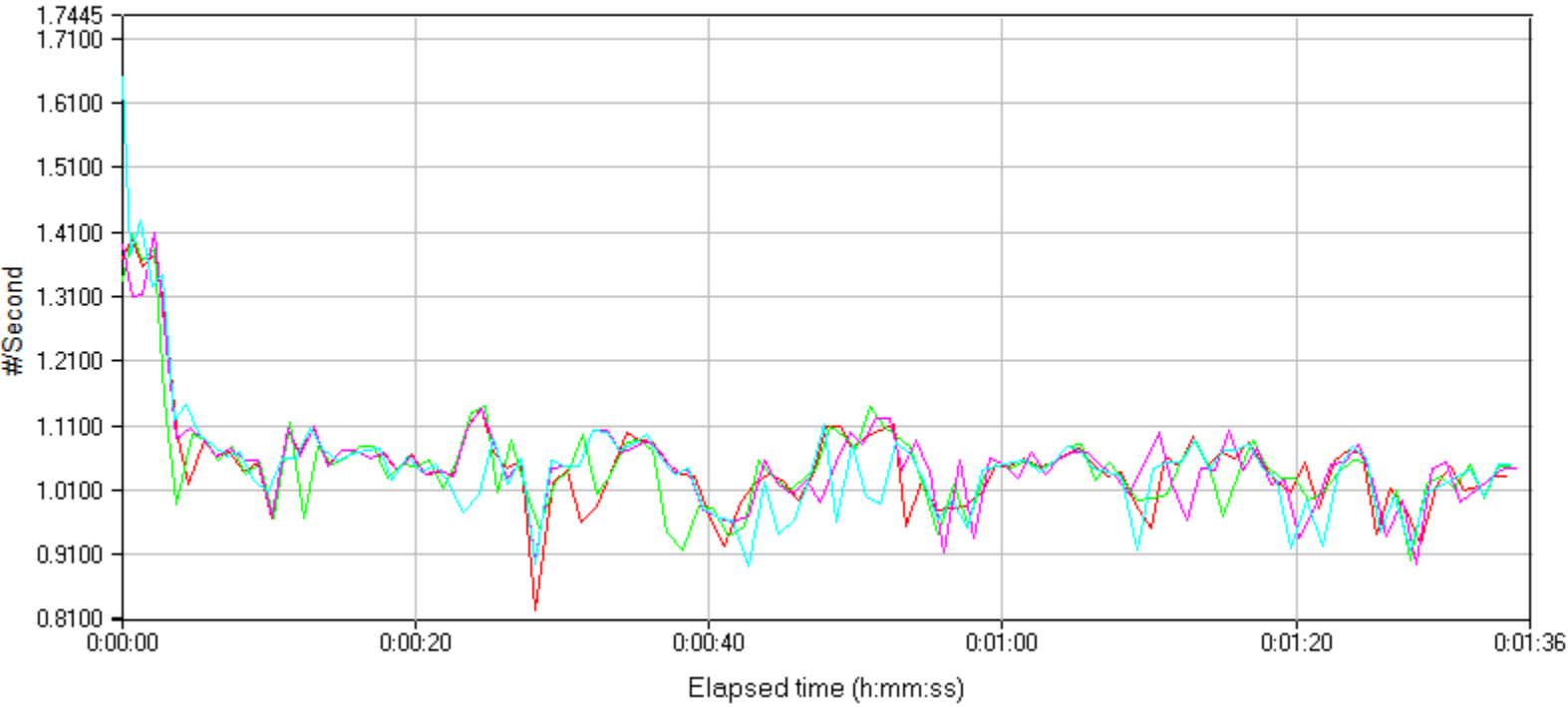
## Throughput



# 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	4.190	0.825	1.650			
Pair 1	1.048	0.825	1.401	0.015	94.442	1.460
Pair 2	1.045	0.900	1.404	0.014	94.721	1.383
Pair 3	1.051	0.895	1.408	0.015	95.135	1.380
Pair 4	1.045	0.891	1.650	0.017	94.710	1.616
Totals:	4.190	0.825	1.650			

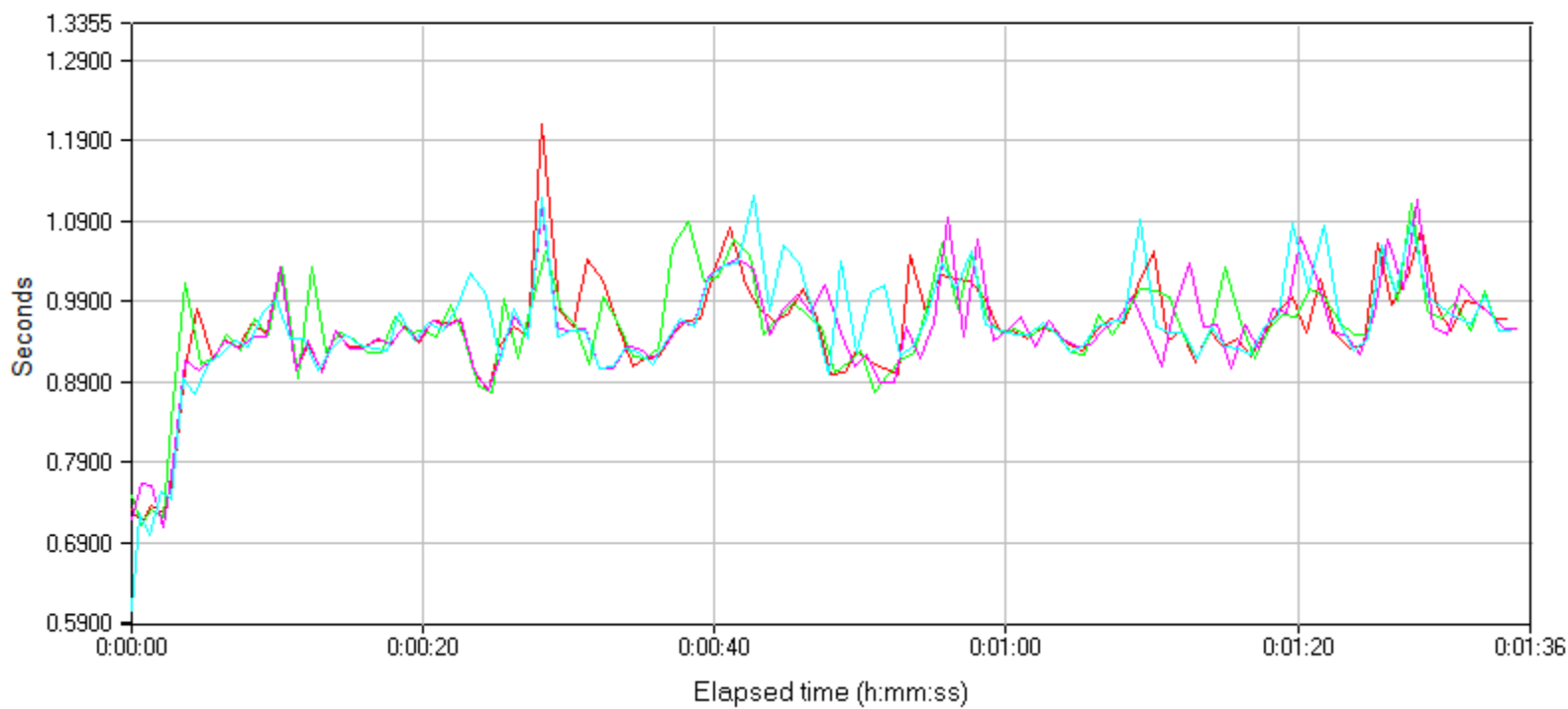
Transaction rate



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	0.955	0.606	1.212			
Pair 1	0.954	0.714	1.212	0.014	94.442	1.460
Pair 2	0.957	0.712	1.111	0.013	94.721	1.383
Pair 3	0.951	0.710	1.117	0.013	95.135	1.380
Pair 4	0.957	0.606	1.122	0.015	94.710	1.616
Totals:	0.955	0.606	1.212			

## Response time



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