

IxChariot

Summary - C:\Users\Brian Dipert\Documents\My Dropbox\AnandTech\Powerline networking\IxChariot\NETGEAR1901\TCP\4 to 2 (Quad)\4to2TCPQuad.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\4 to 2 (Quad)\4to2TCPQuad.tst
Run start time	Monday, August 08, 2011, 8:24:15 PM
Run end time	Monday, August 08, 2011, 8:25:41 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

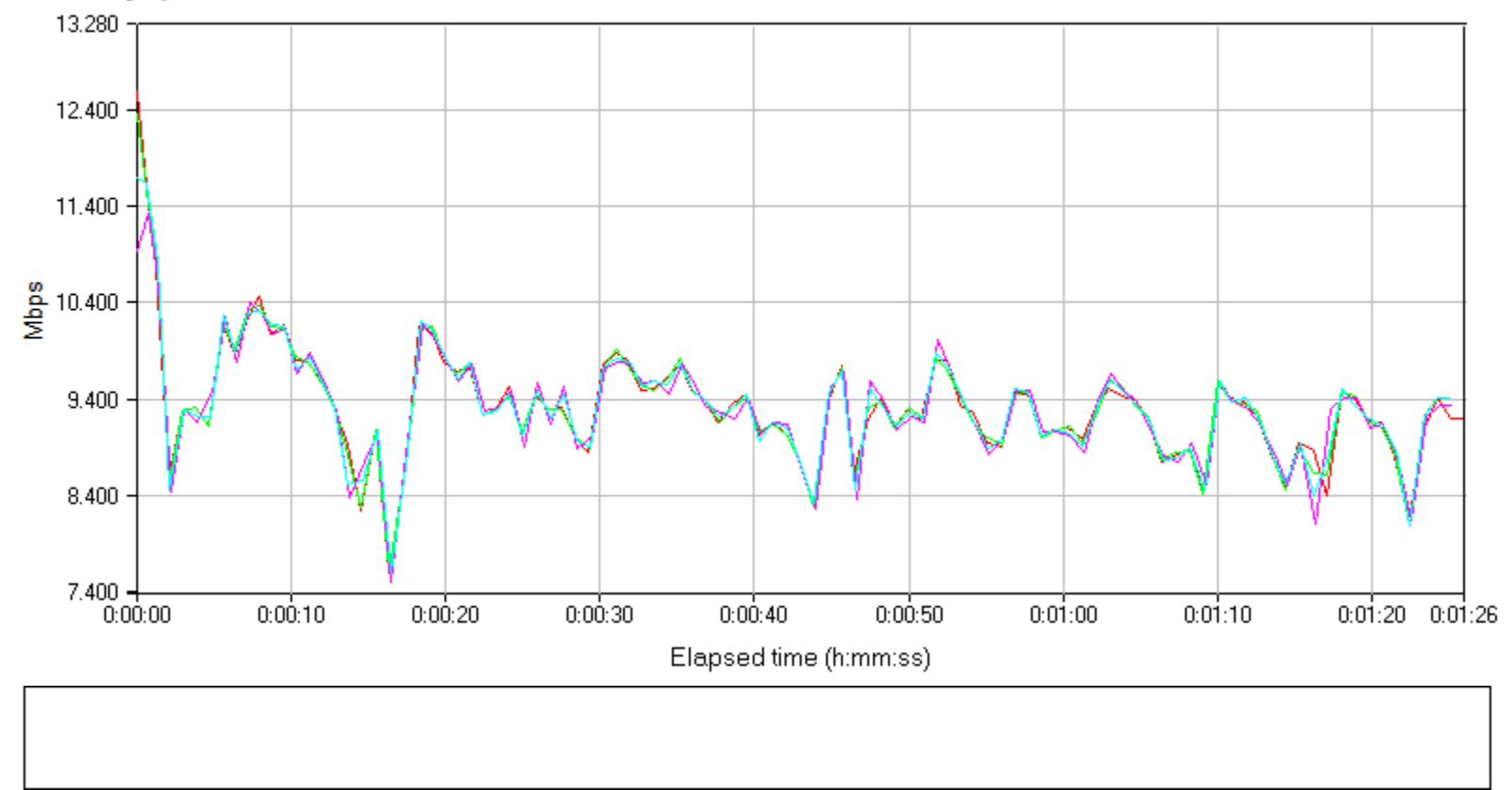
Test Execution (Endpoint 1 to Endpoint 2)

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	36.953	7.498	12.598			
Pair 1	9.309	7.597	12.598	0.119	85.936	1.278
Pair 2	9.308	7.619	12.365	0.120	85.088	1.284
Pair 3	9.294	7.498	11.315	0.115	85.216	1.240
Pair 4	9.304	7.612	11.696	0.118	85.122	1.266
Totals:	36.953	7.498	12.598			

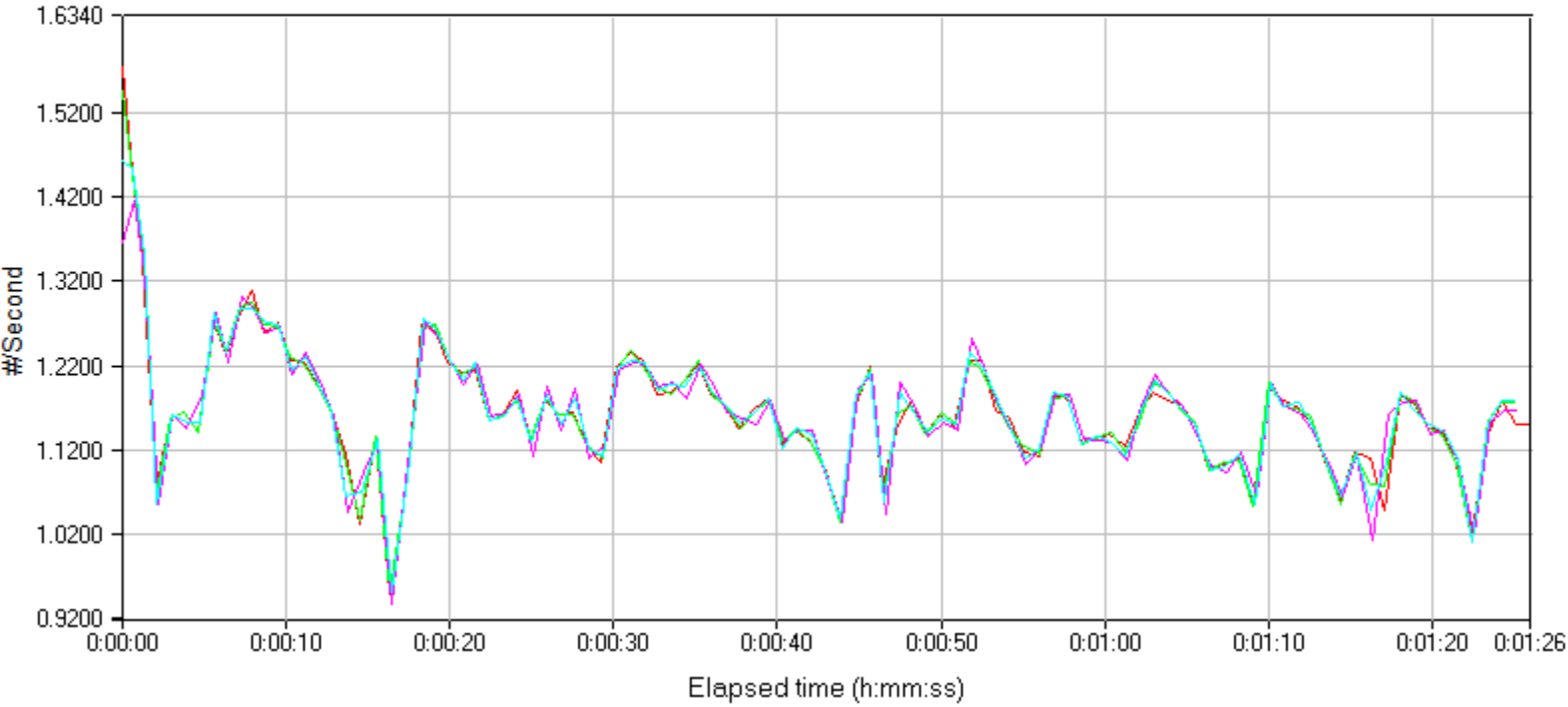
Throughput



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	0.937	1.575			
Pair 1	1.164	0.950	1.575	0.015	85.936	1.278
Pair 2	1.164	0.952	1.546	0.015	85.088	1.284
Pair 3	1.162	0.937	1.414	0.014	85.216	1.240
Pair 4	1.163	0.951	1.462	0.015	85.122	1.266
Totals:	4.652	0.937	1.575			

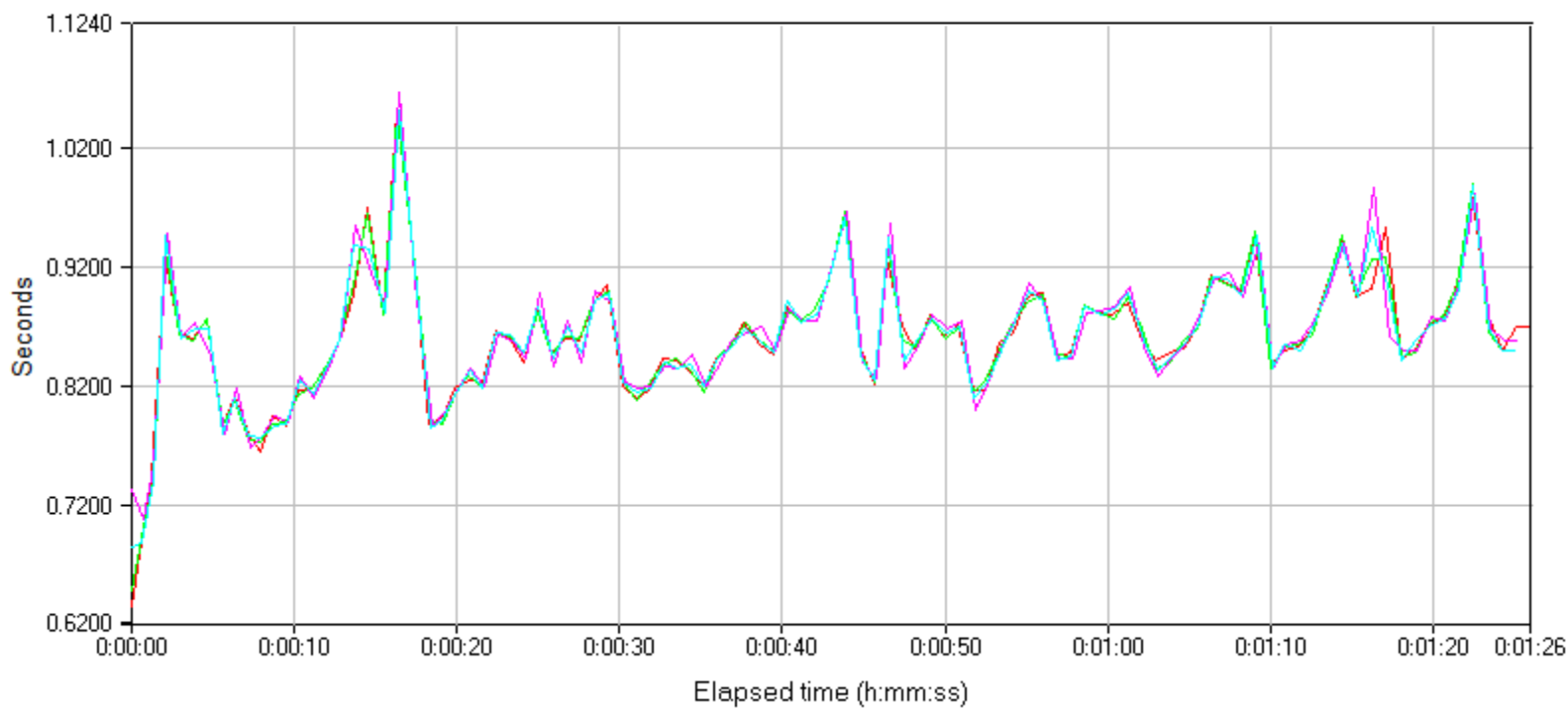
Transaction rate



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	0.635	1.067			
Pair 1	0.859	0.635	1.053	0.011	85.936	1.278
Pair 2	0.859	0.647	1.050	0.011	85.088	1.284
Pair 3	0.861	0.707	1.067	0.011	85.216	1.240
Pair 4	0.860	0.684	1.051	0.011	85.122	1.266
Totals:	0.860	0.635	1.067			

Response time



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