

IxChariot

Summary - C:\Users\Brian Dipert\Documents\My Dropbox\AnandTech\Powerline networking\IxChariot\NETGEAR1901\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\NETGEAR1901\TCP\1 to 2 (Quad)\1to2TCPQuad.tst |
| Run start time | Monday, August 08, 2011, 8:46:32 PM |
| Run end time | Monday, August 08, 2011, 8:48:32 PM |
| Elapsed time | 00:02:00 |
| 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 |

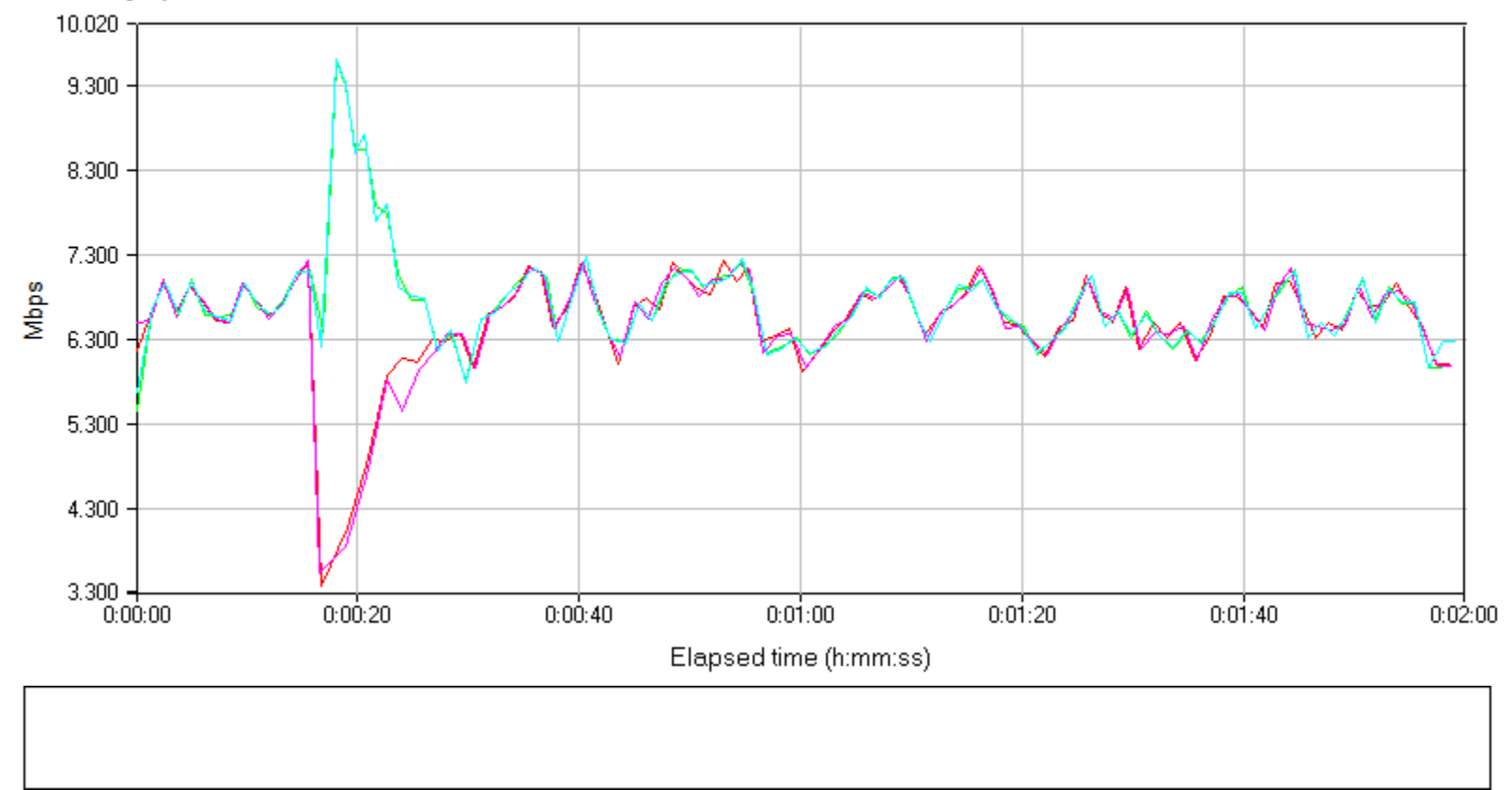
Test Execution (Endpoint 1 to Endpoint 2)

| 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 | 26.231 | 3.387 | 9.615 | | | |
| Pair 1 | 6.471 | 3.387 | 7.220 | 0.168 | 118.688 | 2.594 |
| Pair 2 | 6.713 | 5.457 | 9.581 | 0.104 | 117.979 | 1.542 |
| Pair 3 | 6.460 | 3.538 | 7.220 | 0.169 | 118.877 | 2.622 |
| Pair 4 | 6.709 | 5.666 | 9.615 | 0.102 | 119.241 | 1.521 |
| Totals: | 26.231 | 3.387 | 9.615 | | | |

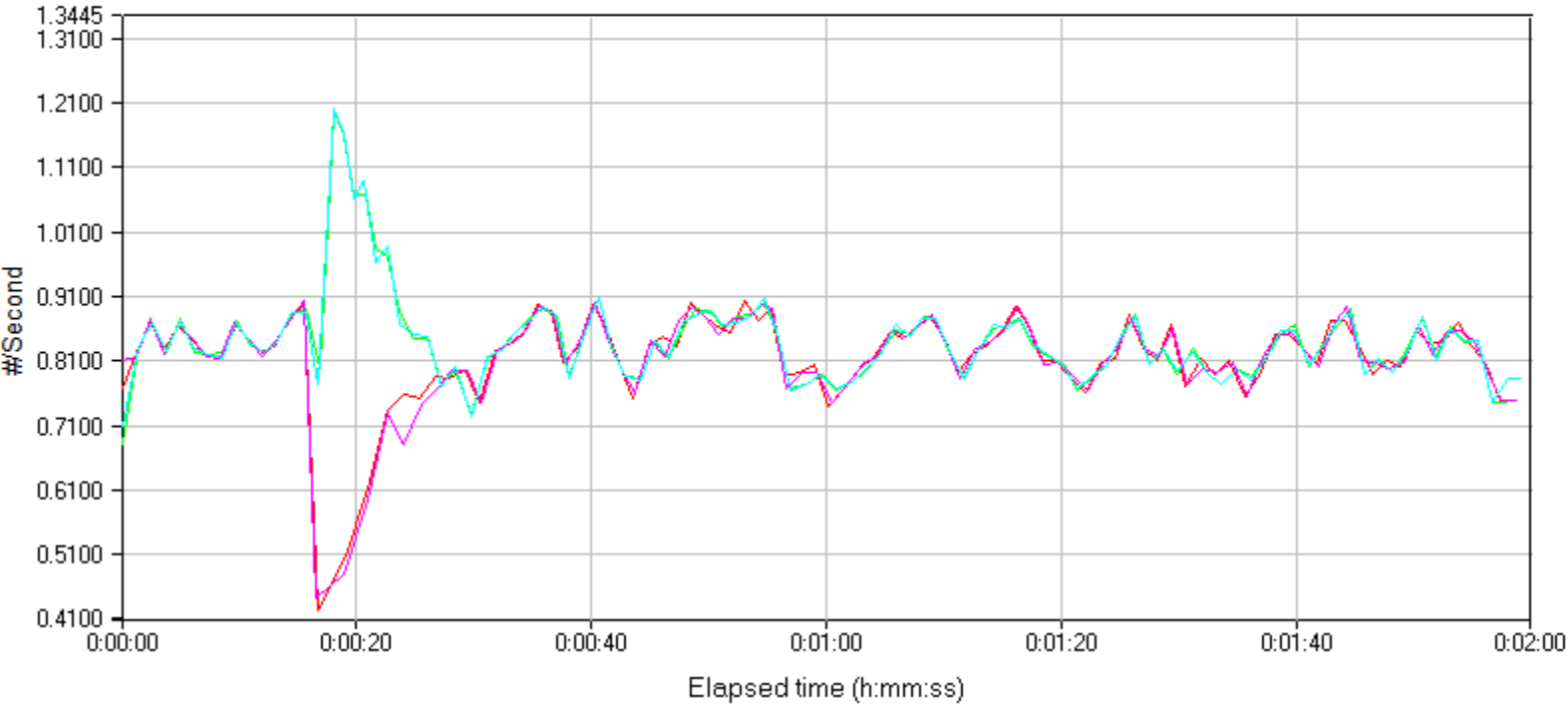
Throughput



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 | 3.294 | 0.423 | 1.202 | | | |
| Pair 1 | 0.809 | 0.423 | 0.903 | 0.021 | 118.688 | 2.594 |
| Pair 2 | 0.839 | 0.682 | 1.198 | 0.013 | 117.979 | 1.542 |
| Pair 3 | 0.808 | 0.442 | 0.903 | 0.021 | 118.877 | 2.622 |
| Pair 4 | 0.839 | 0.708 | 1.202 | 0.013 | 119.241 | 1.521 |
| Totals: | 3.294 | 0.423 | 1.202 | | | |

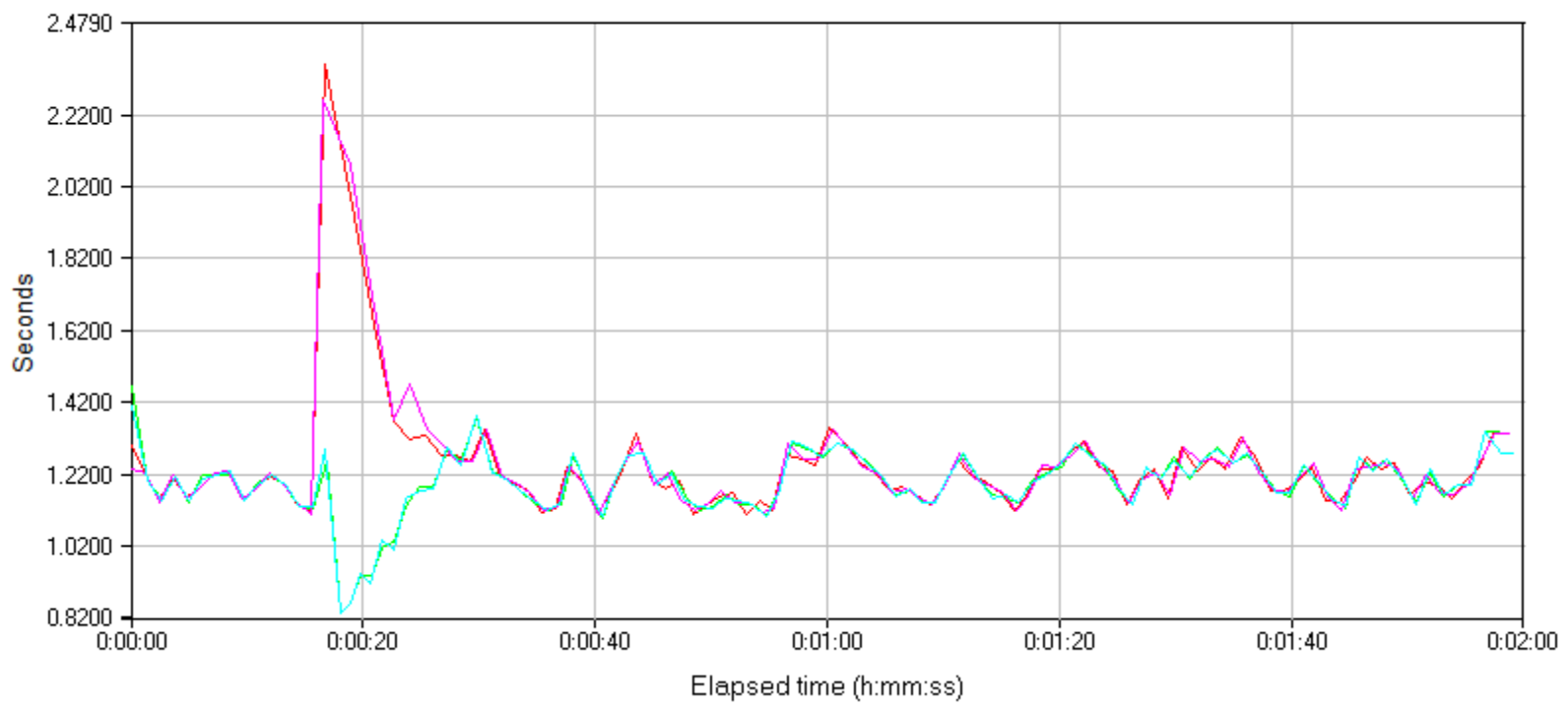
Transaction rate



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 | 1.215 | 0.832 | 2.362 | | | |
| Pair 1 | 1.236 | 1.108 | 2.362 | 0.032 | 118.688 | 2.594 |
| Pair 2 | 1.192 | 0.835 | 1.466 | 0.018 | 117.979 | 1.542 |
| Pair 3 | 1.238 | 1.108 | 2.261 | 0.032 | 118.877 | 2.622 |
| Pair 4 | 1.192 | 0.832 | 1.412 | 0.018 | 119.241 | 1.521 |
| Totals: | 1.215 | 0.832 | 2.362 | | | |

Response time



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