

IxChariot

Summary - C:\Users\Brian Dipert\Documents\My Dropbox\AnandTech\Powerline networking\IxChariot\NETGEAR1901\TCP\2 to 3 (Quad)\2to3TCPQuad.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\2 to 3 (Quad)\2to3TCPQuad.tst |
| Run start time | Monday, August 08, 2011, 8:00:13 PM |
| Run end time | Monday, August 08, 2011, 8:01:53 PM |
| Elapsed time | 00:01:40 |
| 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 |

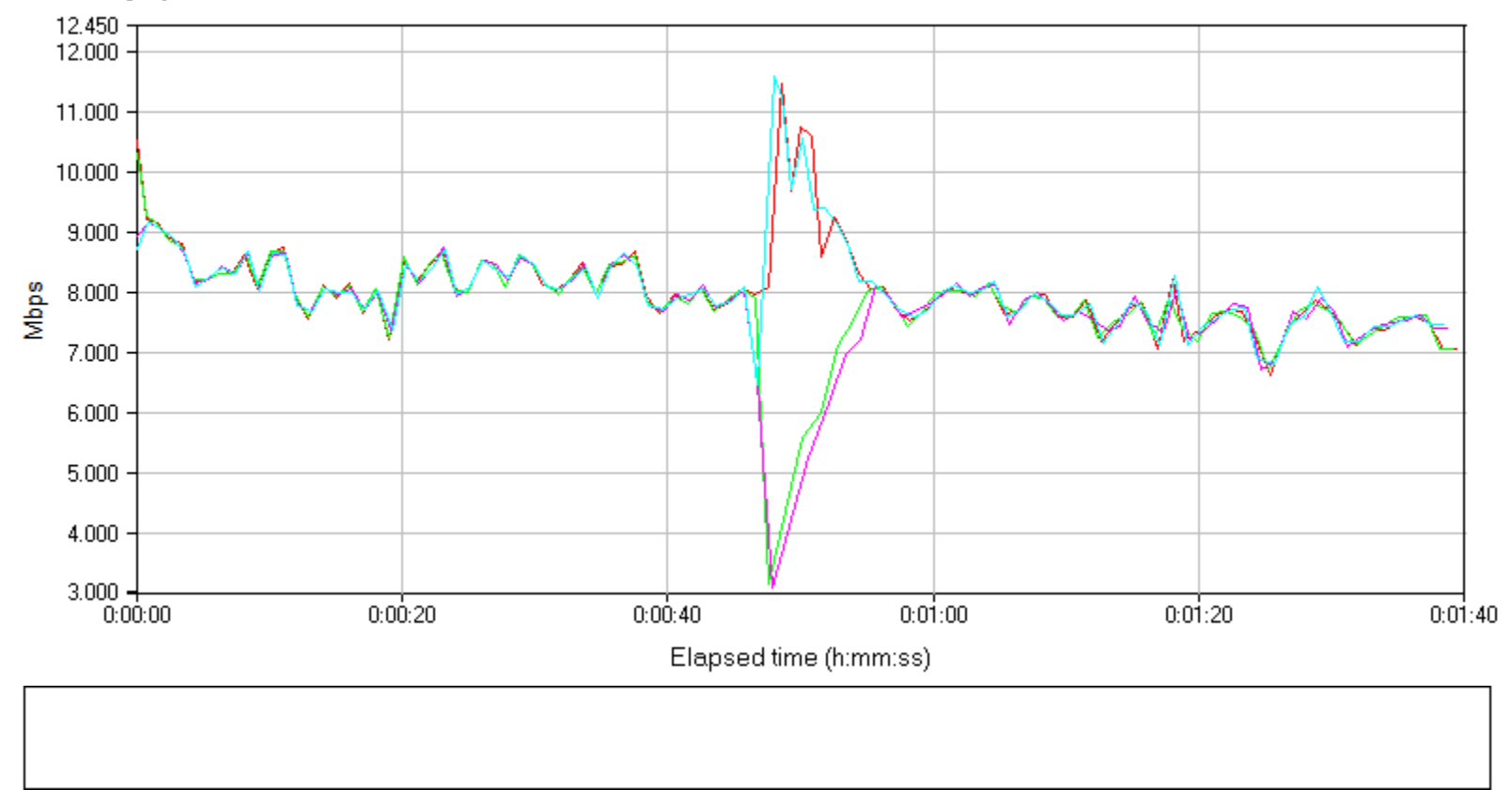
Test Execution (Endpoint 1 to Endpoint 2)

| 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 | 31.376 | 3.073 | 11.594 | | | |
| Pair 1 | 8.046 | 6.606 | 11.478 | 0.134 | 99.434 | 1.668 |
| Pair 2 | 7.738 | 3.155 | 10.309 | 0.268 | 99.246 | 3.460 |
| Pair 3 | 7.698 | 3.073 | 9.164 | 0.280 | 98.729 | 3.632 |
| Pair 4 | 8.041 | 6.467 | 11.594 | 0.139 | 98.492 | 1.726 |
| Totals: | 31.376 | 3.073 | 11.594 | | | |

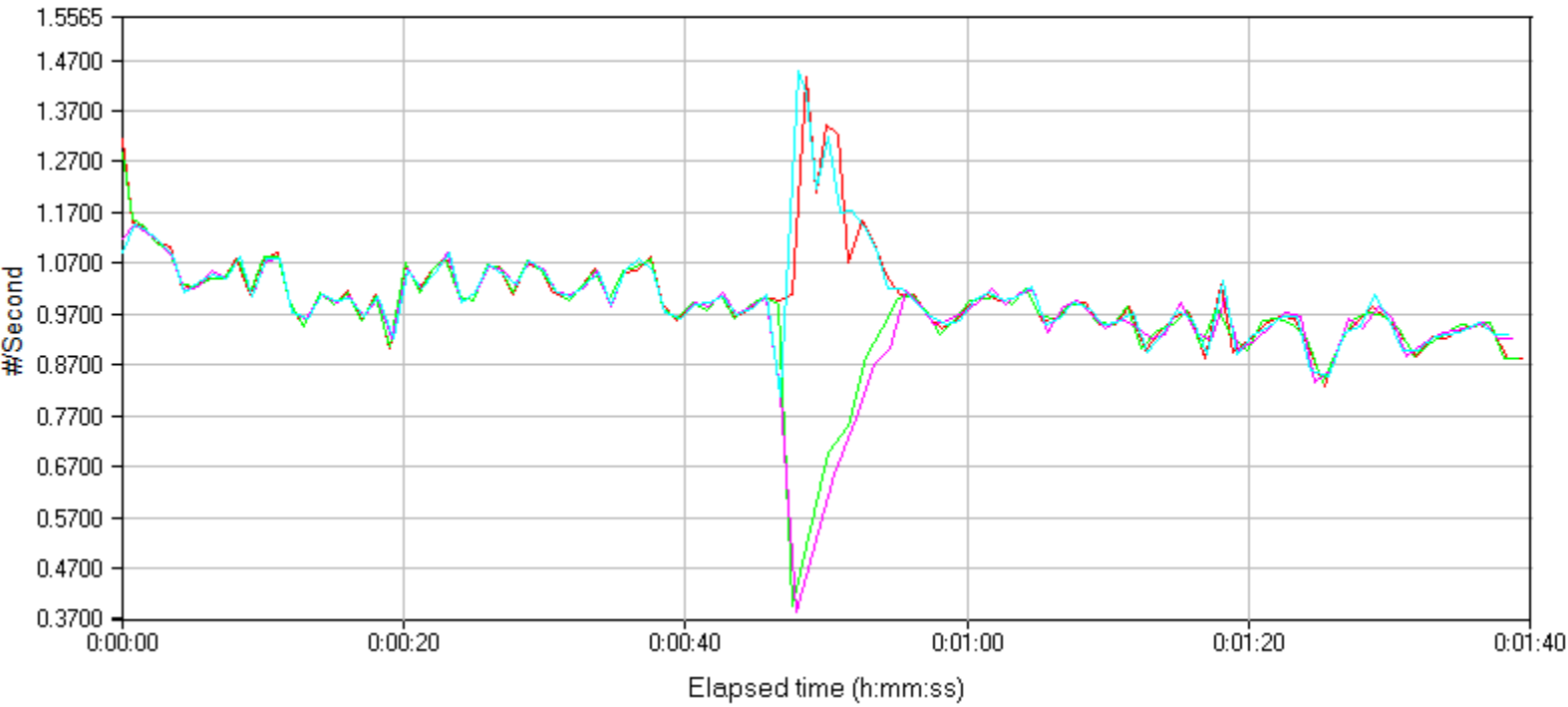
Throughput



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 | 3.940 | 0.384 | 1.449 | | | |
| Pair 1 | 1.006 | 0.826 | 1.435 | 0.017 | 99.434 | 1.668 |
| Pair 2 | 0.967 | 0.394 | 1.289 | 0.033 | 99.246 | 3.460 |
| Pair 3 | 0.962 | 0.384 | 1.145 | 0.035 | 98.729 | 3.632 |
| Pair 4 | 1.005 | 0.808 | 1.449 | 0.017 | 98.492 | 1.726 |
| Totals: | 3.940 | 0.384 | 1.449 | | | |

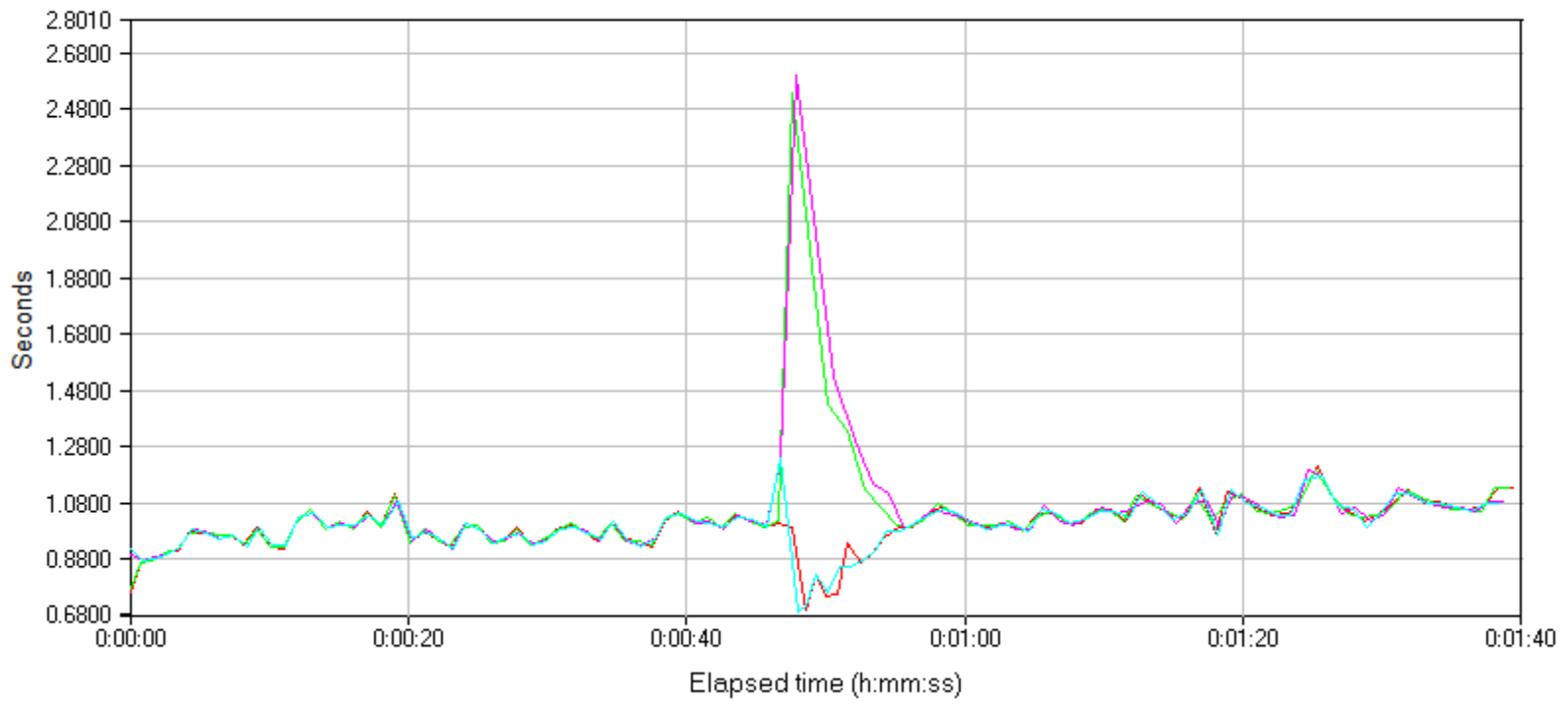
Transaction rate



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 | 1.016 | 0.690 | 2.603 | | | |
| Pair 1 | 0.994 | 0.697 | 1.211 | 0.017 | 99.434 | 1.668 |
| Pair 2 | 1.034 | 0.776 | 2.536 | 0.036 | 99.246 | 3.460 |
| Pair 3 | 1.039 | 0.873 | 2.603 | 0.038 | 98.729 | 3.632 |
| Pair 4 | 0.995 | 0.690 | 1.237 | 0.017 | 98.492 | 1.726 |
| Totals: | 1.016 | 0.690 | 2.603 | | | |

Response time



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