

# IxChariot

## Summary - C:\Users\Brian Dipert\Documents\My Dropbox\AnandTech\Powerline networking\IxChariot\NETGEAR1901\TCP\2 to 4 (Single)\2to4TCPSingle.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\2 to 4 (Single)\2to4TCPSingle.tst |
| <b>Run start time</b>       | Monday, August 08, 2011, 8:18:14 PM   |
| <b>Run end time</b>         | Monday, August 08, 2011, 8:18:30 PM   |
| <b>Elapsed time</b>         | 00:00:16  |
| <b>How the test ended</b>   | Ran to completion   |
| <b>Number of pairs</b>      | 1   |

# Run Options

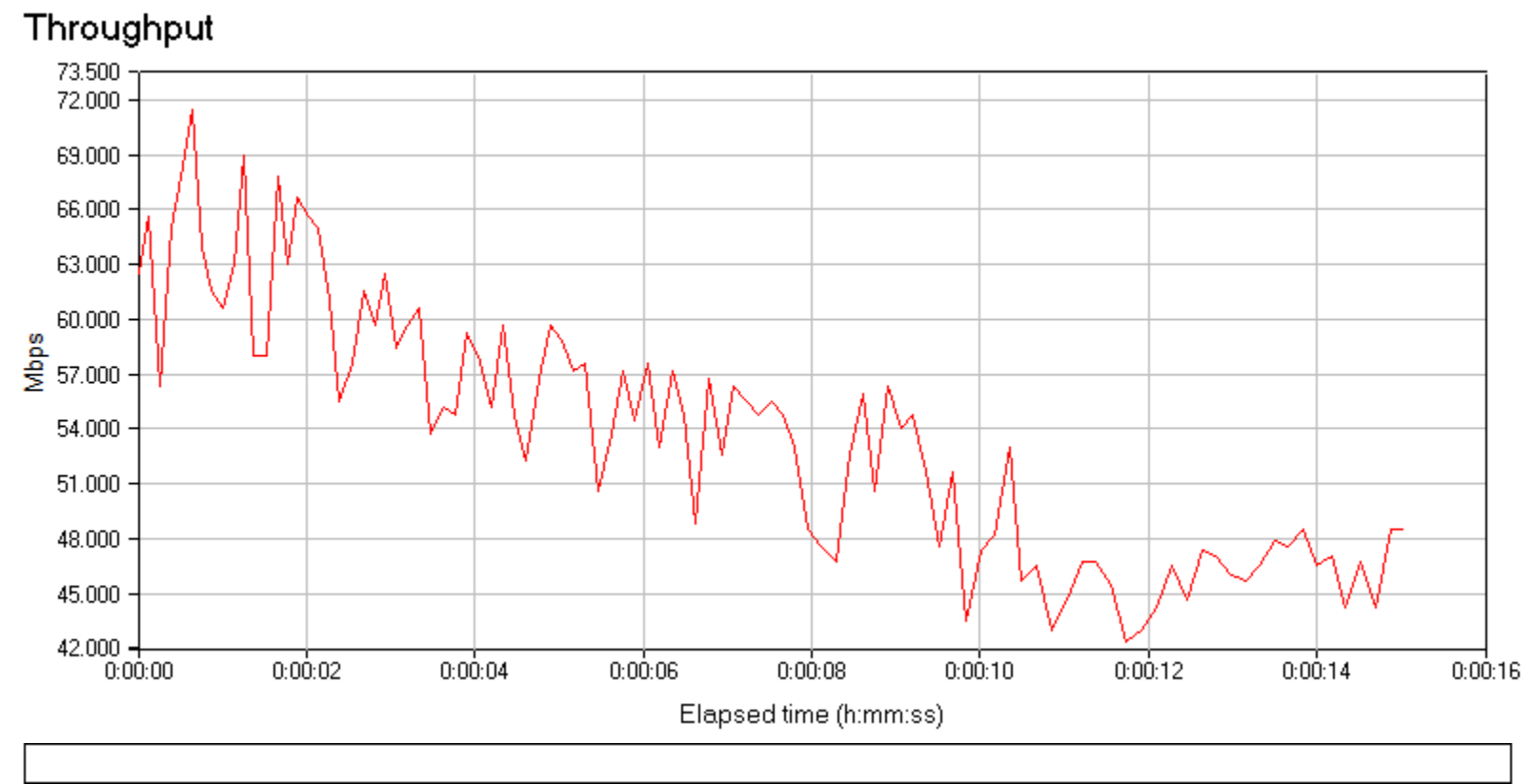
|   |                            |
|---|----------------------------|
| End type  | Run until any pair ends    |
| Reporting type  | Real-time                  |
| Automatically poll endpoints                          | Yes                        |
| Polling interval (minutes)                            | 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/<br>Pair | Endpoint<br>1 | Endpoint<br>2 | Network<br>Protocol | Endpoint 1 Service<br>Quality | Endpoint 2 Service<br>Quality | Script/Stream<br>Name |
|----------------|---------------|---------------|---------------------|-------------------------------|-------------------------------|-----------------------|
| All Pairs      |               |               |                     |                               |                               |                       |
| Pair 1         | 10.0.1.141    | 10.0.1.140    | TCP                 |                               |                               | Throughput_10x.scr    |

# Throughput

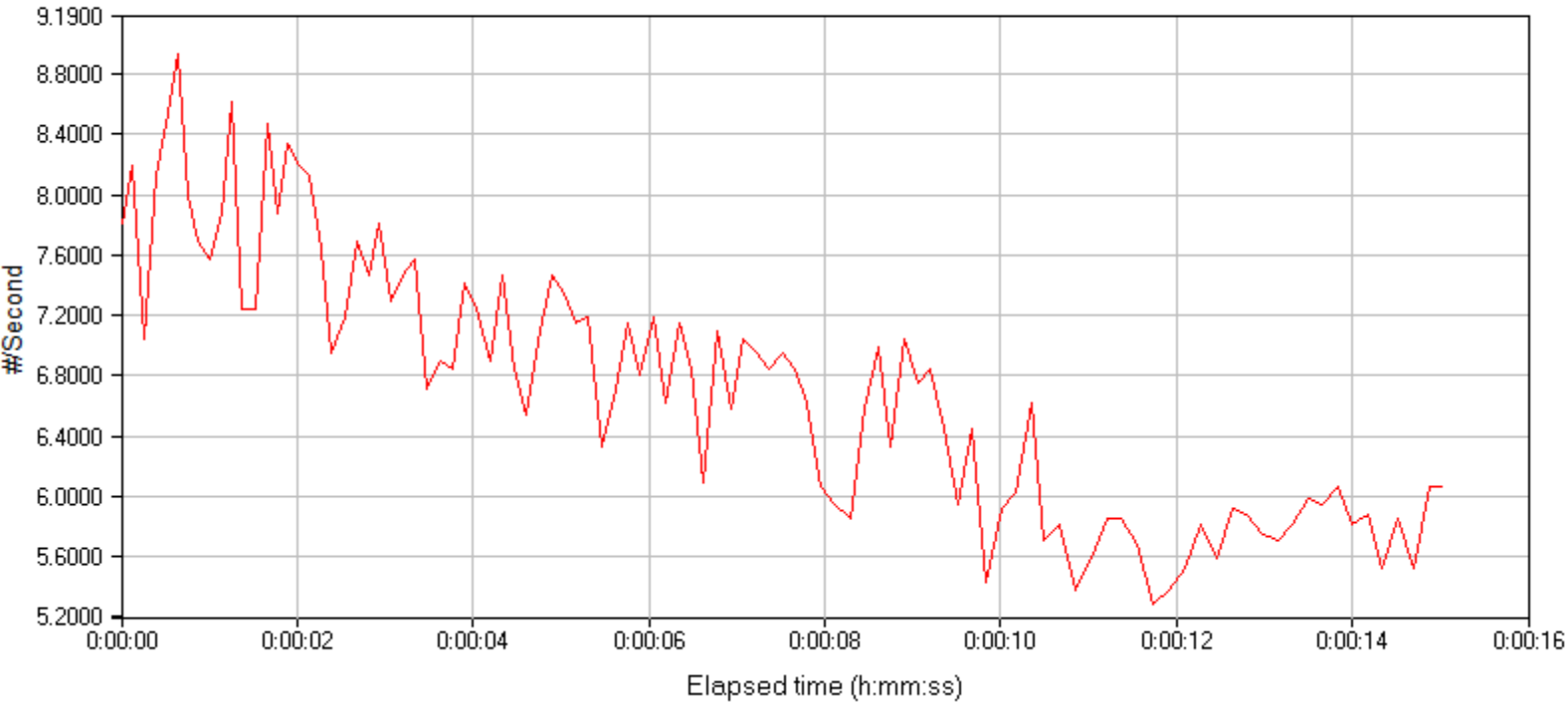
| Group/<br>Pair | Average<br>(Mbps) | Minimum<br>(Mbps) | Maximum<br>(Mbps) | Throughput 95%<br>Confidence Interval | Measured Time<br>(secs) | Relative<br>Precision |
|----------------|-------------------|-------------------|-------------------|---------------------------------------|-------------------------|-----------------------|
| All Pairs      | 53.199            | 42.328            | 71.429            |                                       |                         |                       |
| Pair 1         | 53.230            | 42.328            | 71.429            | 1.352                                 | 15.029                  | 2.540                 |
| Totals:        | 53.199            | 42.328            | 71.429            |                                       |                         |                       |



# Transaction Rate

| Group/<br>Pair | Transaction<br>Rate Average | Transaction<br>Rate Minimum | Transaction Rate<br>Maximum | Transaction Rate<br>95% Confidence<br>Interval | Measured<br>Time (secs) | Relative<br>Precision |
|----------------|-----------------------------|-----------------------------|-----------------------------|--|-------------------------|-----------------------|
| All Pairs      | 6.654                       | 5.291                       | 8.929                       |  |                         |                       |
| Pair 1         | 6.654                       | 5.291                       | 8.929                       | 0.169  | 15.029                  | 2.540                 |
| Totals:        | 6.654                       | 5.291                       | 8.929                       |  |                         |                       |

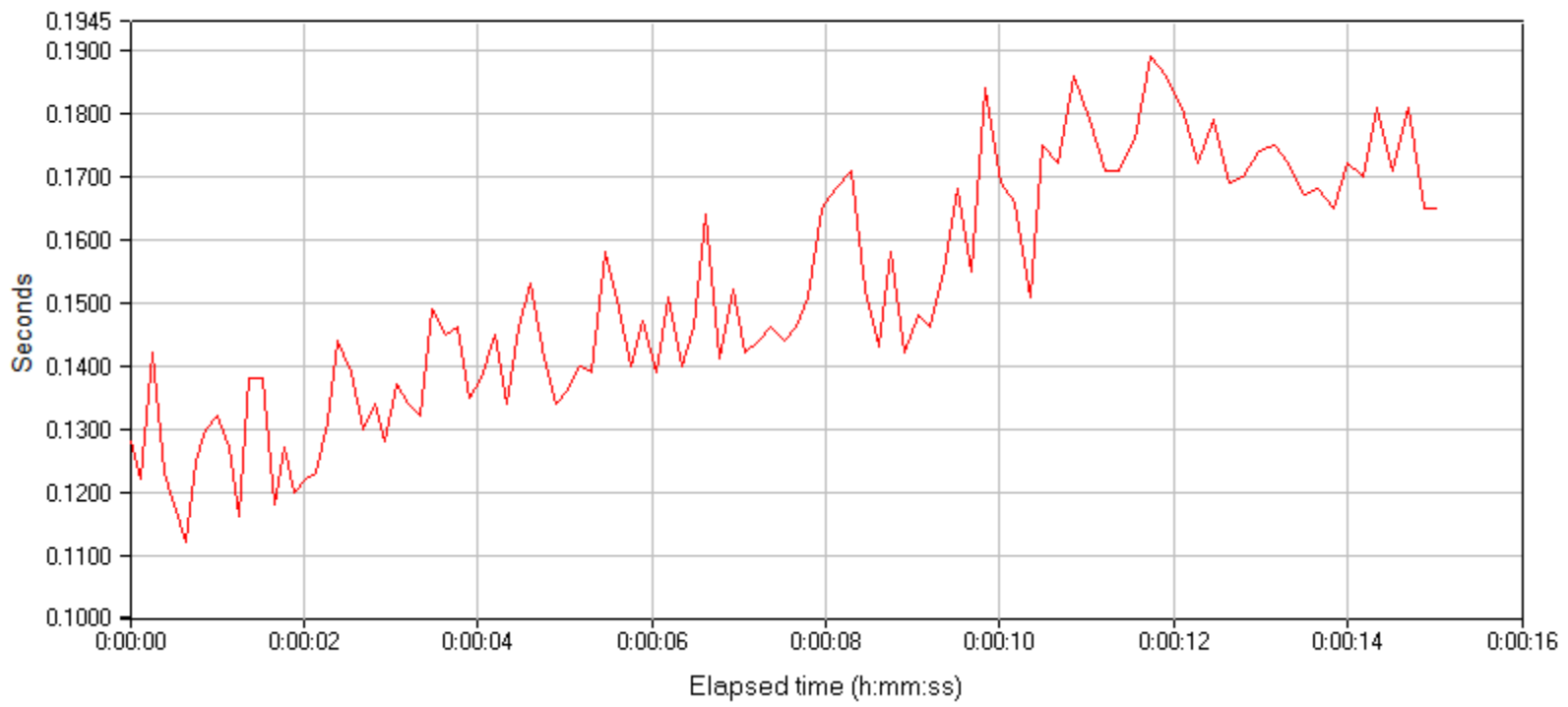
Transaction rate



Response Time

| Group/<br>Pair | Response Time<br>Average | Response Time<br>Minimum | Response Time<br>Maximum | Response Time 95%<br>Confidence Interval | Measured<br>Time (secs) | Relative<br>Precision |
|----------------|--------------------------|--------------------------|--------------------------|--|-------------------------|-----------------------|
| All Pairs      | 0.150                    | 0.112                    | 0.189                    | 0.004                                    | 15.029                  | 2.540                 |
| Pair 1         | 0.150                    | 0.112                    | 0.189                    |  |                         |                       |
| Totals:        | 0.150                    | 0.112                    | 0.189                    |  |                         |                       |

## Response time



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