5th June 2019

**Test Overview:**

**Test 1:** Default latency test for 10 seconds

**Test 2:** Default latency test for 120 seconds

**Test 3:** Default latency test for 300 seconds

**Test 4:** Default latency test with latencyCount of 1 for 10 seconds

**Test 5:** Default latency test with latencyCount of 1 for 120 seconds

**Test 6:** Default latency test with latencyCount of 1 for 300 seconds

**Commands:**

Test 1 Publisher

perftest\_java.bat -pub -dataLen 4096 -numSubscribers 1 -domain 1 -executionTime 10 -latencyTest

Test 1 Subscriber

perftest\_java.bat -sub -dataLen 4096 -domain 1 -fileName sub1.csv

Test 2 Publisher

perftest\_java.bat -pub -dataLen 4096 -numSubscribers 1 -domain 1 -executionTime 120 -latencyTest

Test 2 Subscriber

perftest\_java.bat -sub -dataLen 4096 -domain 1 -fileName sub1.csv

Test 3 Publisher

perftest\_java.bat -pub -dataLen 4096 -numSubscribers 1 -domain 1 -executionTime 300 -latencyTest

Test 3 Subscriber

perftest\_java.bat -sub -dataLen 4096 -domain 1 -fileName sub1.csv

Test 4 Publisher

perftest\_java.bat -pub -dataLen 4096 -numSubscribers 1 -domain 1 -executionTime 10 -latencyTest -latencyCount 1

Test 4 Subscriber

perftest\_java.bat -sub -dataLen 4096 -domain 1 -fileName sub1.csv

Test 5 Publisher

perftest\_java.bat -pub -dataLen 4096 -numSubscribers 1 -domain 1 -executionTime 300 -latencyTest -latencyCount 1

Test 5 Subscriber

perftest\_java.bat -sub -dataLen 4096 -domain 1 -fileName sub1.csv

Test 6 Publisher

perftest\_java.bat -pub -dataLen 4096 -numSubscribers 1 -domain 1 -executionTime 300 -latencyTest -latencyCount 1

Test 6 Subscriber

perftest\_java.bat -sub -dataLen 4096 -domain 1 -fileName sub1.csv

**Results Table:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | Throughput (Mbps) |  |  | Latency (us) |  |
| Test | Minimum | Maximum | Average | Minimum | Maximum | Average |
| 1 | 1.4 | 1.8 | 1.7 | 254 | 59539 | 857 |
| 2 | 0.5 | 2.3 | 1.7 | 131 | 54170 | 408 |
| 3 | 0.8 | 3.3 | 2.7 | 110 | 81962 | 227 |
| 4 | 1.4 | 1.9 | 1.7 | 234 | 51388 | 912 |
| 5 | 1.2 | 2.3 | 2.1 | 121 | 54824 | 382 |
| 6 | 0.9 | 2.2 | 1.4 | 108 | 61225 | 308 |