5th June 2019

**Test Overview:**

Test 1.1: Single Machine 1 Pub 5 Sub VM latencyCount 100 executionTime 20

Test 1.2: Single Machine 1 Pub 5 Sub VM latencyCount 100 numIter 1000000

Test 2: Single Machine 1 Pub 5 Sub Laptop

Test 3: Multi Machine 1 Pub 5 Sub VM

Test 4: Multi Machine 1 Pub 2 2 1 Sub VM

**Commands:**

Test 1.1 Publisher

start cmd /k perftest\_java.bat -pub -dataLen 512 -numSubscribers 2 -domain 1 -latencyCount 100 -executionTime 20 -bestEffort -multicast

Test 1.1 Subscriber

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 2 -domain 1 -latencyCount 100 -executionTime 20 -bestEffort -multicast -fileName sub1 -sidMultiSubTest 1

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 2 -domain 1 -latencyCount 100 -executionTime 20 -bestEffort -multicast -fileName sub2 -sidMultiSubTest 2

Test 1.2 Publisher

start cmd /k perftest\_java.bat -pub -dataLen 512 -numSubscribers 2 -domain 1 -latencyCount 100 -numIter 1000 -bestEffort -multicast

Test 1.2 Subscriber

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 2 -domain 1 -latencyCount 100 -numIter 1000 -bestEffort -multicast -fileName sub1 -sidMultiSubTest 1

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 2 -domain 1 -latencyCount 100 -numIter 1000 -bestEffort -multicast -fileName sub2 -sidMultiSubTest 2

**Analysis:**

Test 1.1:

Test 1.2:

**Results Table:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | Throughput (Mbps) |  |  | Latency (us) |  |
| Test | Minimum | Maximum | Average | Minimum | Maximum | Average |
| 1 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |