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11th July 2019

# Test Overview:

Test 1.1: LatencyCount 10,000; numIter 10,000,000; bestEffort; multicast; 1 pub; 1 sub; 512 bytes

Test 1.2: LatencyCount 10,000; numIter 10,000,000; bestEffort; unicast; 1pub; 1sub; 512 bytes

Test 1.3: LatencyCount 10,000; numIter 10,000,000; reliability; multicast; 1 pub; 1 sub; 512 bytes

Test 1.4: LatencyCount 10,000; numIter 10,000,000; reliability; unicast; 1 pub; 1 sub; 512 bytes

Test 1.5: LatencyCount 10,000; numIter 10,000,000; bestEffort; multicast; 1 pub; 5 sub; 512 bytes

Test 1.6: LatencyCount 10,000; numIter 10,000,000; bestEffort; unicast; 1 pub; 5 sub; 512 bytes

Test 1.7: LatencyCount 10,000; numIter 10,000,000; reliability; multicast; 1 pub; 5 sub; 512 bytes

Test 1.8: LatencyCount 10,000; numIter 10,000,000; reliability; unicast; 1 pub; 5 sub; 512 bytes

Test 1.9: LatencyCount 10,000; numIter 10,000,000; bestEffort; multicast; 1 pub; 10 sub; 512 bytes

Test 1.10: LatencyCount 10,000; numIter 10,000,000; bestEffort; unicast; 1 pub; 10 sub; 512 bytes

Test 1.11: LatencyCount 10,000; numIter 10,000,000; reliability; multicast; 1 pub; 10 sub; 512 bytes

Test 1.12: LatencyCount 10,000; numIter 10,000,000; reliability; unicast; 1 pub; 10 sub; 512 bytes

Test 2.1: LatencyCount 10,000; numIter 10,000,000; bestEffort; multicast; 1 pub; 1 sub; 4 kilobytes

Test 2.2: LatencyCount 10,000; numIter 10,000,000; bestEffort; unicast; 1pub; 1sub; 4 kilobytes

Test 2.3: LatencyCount 10,000; numIter 10,000,000; reliability; multicast; 1 pub; 1 sub; 4 kilobytes

Test 2.4: LatencyCount 10,000; numIter 10,000,000; reliability; unicast; 1 pub; 1 sub; 4 kilobytes

Test 2.5: LatencyCount 10,000; numIter 10,000,000; bestEffort; multicast; 1 pub; 5 sub; 4 kilobytes

Test 2.6: LatencyCount 10,000; numIter 10,000,000; bestEffort; unicast; 1 pub; 5 sub; 4 kilobytes

Test 2.7: LatencyCount 10,000; numIter 10,000,000; reliability; multicast; 1 pub; 5 sub; 4 kilobytes

Test 2.8: LatencyCount 10,000; numIter 10,000,000; reliability; unicast; 1 pub; 5 sub; 4 kilobytes

Test 2.9: LatencyCount 10,000; numIter 10,000,000; bestEffort; multicast; 1 pub; 10 sub; 4 kilobytes

Test 2.10: LatencyCount 10,000; numIter 10,000,000; bestEffort; unicast; 1 pub; 10 sub; 4 kilobytes

Test 2.11: LatencyCount 10,000; numIter 10,000,000; reliability; multicast; 1 pub; 10 sub; 4 kilobytes

Test 2.12: LatencyCount 10,000; numIter 10,000,000; reliability; unicast; 1 pub; 10 sub; 4 kilobytes

Test 3.1: LatencyCount 10,000; numIter 10,000,000; bestEffort; multicast; 1 pub; 1 sub; 512 bytes

Test 3.2: LatencyCount 10,000; numIter 10,000,000; bestEffort; unicast; 1pub; 1sub; 512 bytes

Test 3.3: LatencyCount 10,000; numIter 10,000,000; reliability; multicast; 1 pub; 1 sub; 512 bytes

Test 3.4: LatencyCount 10,000; numIter 10,000,000; reliability; unicast; 1 pub; 1 sub; 512 bytes

Test 3.5: LatencyCount 10,000; numIter 10,000,000; bestEffort; multicast; 1 pub; 5 sub; 512 bytes

Test 3.6: LatencyCount 10,000; numIter 10,000,000; bestEffort; unicast; 1 pub; 5 sub; 512 bytes

Test 3.7: LatencyCount 10,000; numIter 10,000,000; reliability; multicast; 1 pub; 5 sub; 512 bytes

Test 3.8: LatencyCount 10,000; numIter 10,000,000; reliability; unicast; 1 pub; 5 sub; 512 bytes

Test 3.9: LatencyCount 10,000; numIter 10,000,000; bestEffort; multicast; 1 pub; 10 sub; 512 bytes

Test 3.10: LatencyCount 10,000; numIter 10,000,000; bestEffort; unicast; 1 pub; 10 sub; 512 bytes

Test 3.11: LatencyCount 10,000; numIter 10,000,000; reliability; multicast; 1 pub; 10 sub; 512 bytes

Test 3.12: LatencyCount 10,000; numIter 10,000,000; reliability; unicast; 1 pub; 10 sub; 512 bytes

# Commands:

Test 1.1 Publisher

start cmd /k perftest\_java.bat -pub -dataLen 512 -numSubscribers 1 -domain 1 -latencyCount 10000 -numIter 10000000 -bestEffort -multicast

Test 1.1 Subscriber

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 1 -domain 1 -latencyCount 10000 -numIter 10000000 -bestEffort -multicast -fileName sub1 -sidMultiSubTest 1

Test 1.2 Publisher

start cmd /k perftest\_java.bat -pub -dataLen 512 -numSubscribers 1 -domain 1 -latencyCount 10000 -numIter 10000000 -bestEffort

Test 1.2 Subscriber

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 1 -domain 1 -latencyCount 10000 -numIter 10000000 -bestEffort -fileName sub1 -sidMultiSubTest 1

Test 1.3 Publisher

start cmd /k perftest\_java.bat -pub -dataLen 512 -numSubscribers 1 -domain 1 -latencyCount 10000 -numIter 10000000 -multicast

Test 1.3 Subscriber

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 1 -domain 1 -latencyCount 10000 -numIter 10000000 -multicast -fileName sub1 -sidMultiSubTest 1

Test 1.4 Publisher

start cmd /k perftest\_java.bat -pub -dataLen 512 -numSubscribers 1 -domain 1 -latencyCount 10000 -numIter 10000000

Test 1.4 Subscriber

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 1 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub1 -sidMultiSubTest 1

Test 1.5 Publisher

start cmd /k perftest\_java.bat -pub -dataLen 512 -numSubscribers 1 -domain 1 -latencyCount 10000 -numIter 10000000

Test 1.5 Subscriber 1

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 5 -domain 1 -latencyCount 10000 -numIter 10000000 -bestEffort -multicast -fileName sub1 -sidMultiSubTest 1

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 5 -domain 1 -latencyCount 10000 -numIter 10000000 -bestEffort -multicast -fileName sub2 -sidMultiSubTest 2

Test 1.5 Subscriber 2

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 5 -domain 1 -latencyCount 10000 -numIter 10000000 -bestEffort -multicast -fileName sub3 -sidMultiSubTest 3

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 5 -domain 1 -latencyCount 10000 -numIter 10000000 -bestEffort -multicast -fileName sub4 -sidMultiSubTest 4

Test 1.5 Subscriber 3

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 5 -domain 1 -latencyCount 10000 -numIter 10000000 -bestEffort -multicast -fileName sub5 -sidMultiSubTest 5

Test 1.6 Publisher

start cmd /k perftest\_java.bat -pub -dataLen 512 -numSubscribers 5 -domain 1 -latencyCount 10000 -numIter 10000000 -bestEffort

Test 1.6 Subscriber 1

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 5 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub1 -sidMultiSubTest 1 -bestEffort

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 5 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub2 -sidMultiSubTest 2 -bestEffort

Test 1.6 Subscriber 2

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 5 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub3 -sidMultiSubTest 3 -bestEffort

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 5 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub4 -sidMultiSubTest 4 -bestEffort

Test 1.6 Subscriber 3

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 5 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub5 -sidMultiSubTest 5 -bestEffort

Test 1.7 Publisher

start cmd /k perftest\_java.bat -pub -dataLen 512 -numSubscribers 5 -domain 1 -latencyCount 10000 -numIter 10000000 -multicast

Test 1.7 Subscriber 1

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 5 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub1 -sidMultiSubTest 1 -multicast

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 5 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub2 -sidMultiSubTest 2 -multicast

Test 1.7 Subscriber 2

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 5 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub3 -sidMultiSubTest 3 -multicast

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 5 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub4 -sidMultiSubTest 4 -multicast

Test 1.7 Subscriber 3

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 5 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub5 -sidMultiSubTest 5 -multicast

Test 1.8 Publisher

start cmd /k perftest\_java.bat -pub -dataLen 512 -numSubscribers 5 -domain 1 -latencyCount 10000 -numIter 10000000

Test 1.8 Subscriber 1

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 5 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub1 -sidMultiSubTest 1

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 5 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub2 -sidMultiSubTest 2

Test 1.8 Subscriber 2

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 5 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub3 -sidMultiSubTest 3

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 5 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub4 -sidMultiSubTest 4

Test 1.8 Subscriber 3

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 5 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub5 -sidMultiSubTest 5

Test 1.9 Publisher

start cmd /k perftest\_java.bat -pub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -bestEffort -multicast

Test 1.9 Subscriber 1

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub1 -sidMultiSubTest 1 -bestEffort -multicast

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub2 -sidMultiSubTest 2 -bestEffort -multicast

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub3 -sidMultiSubTest 3 -bestEffort -multicast

Test 1.9 Subscriber 2

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub4 -sidMultiSubTest 4 -bestEffort -multicast

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub5 -sidMultiSubTest 5 -bestEffort -multicast

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub6 -sidMultiSubTest 6 -bestEffort -multicast

Test 1.9 Subscriber 3

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub7 -sidMultiSubTest 7 -bestEffort -multicast

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub8 -sidMultiSubTest 8 -bestEffort -multicast

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub9 -sidMultiSubTest 9 -bestEffort -multicast

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub10 -sidMultiSubTest 10 -bestEffort -multicast

Test 1.10 Publisher

start cmd /k perftest\_java.bat -pub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -bestEffort

Test 1.10 Subscriber 1

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub1 -sidMultiSubTest 1 -bestEffort

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub2 -sidMultiSubTest 2 -bestEffort

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub3 -sidMultiSubTest 3 -bestEffort

Test 1.10 Subscriber 2

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub4 -sidMultiSubTest 4 -bestEffort

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub5 -sidMultiSubTest 5 -bestEffort

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub6 -sidMultiSubTest 6 -bestEffort

Test 1.10 Subscriber 3

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub7 -sidMultiSubTest 7 -bestEffort

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub8 -sidMultiSubTest 8 -bestEffort

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub9 -sidMultiSubTest 9 -bestEffort

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub10 -sidMultiSubTest 10 -bestEffort

Test 1.11 Publisher

start cmd /k perftest\_java.bat -pub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -multicast

Test 1.11 Subscriber 1

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub1 -sidMultiSubTest 1 -multicast

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub2 -sidMultiSubTest 2 -multicast

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub3 -sidMultiSubTest 3 -multicast

Test 1.11 Subscriber 2

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub4 -sidMultiSubTest 4 -multicast

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub5 -sidMultiSubTest 5 -multicast

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub6 -sidMultiSubTest 6 -multicast

Test 1.11 Subscriber 3

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub7 -sidMultiSubTest 7 -multicast

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub8 -sidMultiSubTest 8 -multicast

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub9 -sidMultiSubTest 9 -multicast

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub10 -sidMultiSubTest 10 -multicast

Test 1.12 Publisher

start cmd /k perftest\_java.bat -pub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000

Test 1.12 Subscriber 1

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub1 -sidMultiSubTest 1

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub2 -sidMultiSubTest 2

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub3 -sidMultiSubTest 3

Test 1.12 Subscriber 2

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub4 -sidMultiSubTest 4

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub5 -sidMultiSubTest 5

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub6 -sidMultiSubTest 6

Test 1.12 Subscriber 3

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub7 -sidMultiSubTest 7

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub8 -sidMultiSubTest 8

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub9 -sidMultiSubTest 9

start cmd /k perftest\_java.bat -sub -dataLen 512 -numSubscribers 10 -domain 1 -latencyCount 10000 -numIter 10000000 -fileName sub10 -sidMultiSubTest 10

# 

# Results Table:

See corresponding excel sheet.