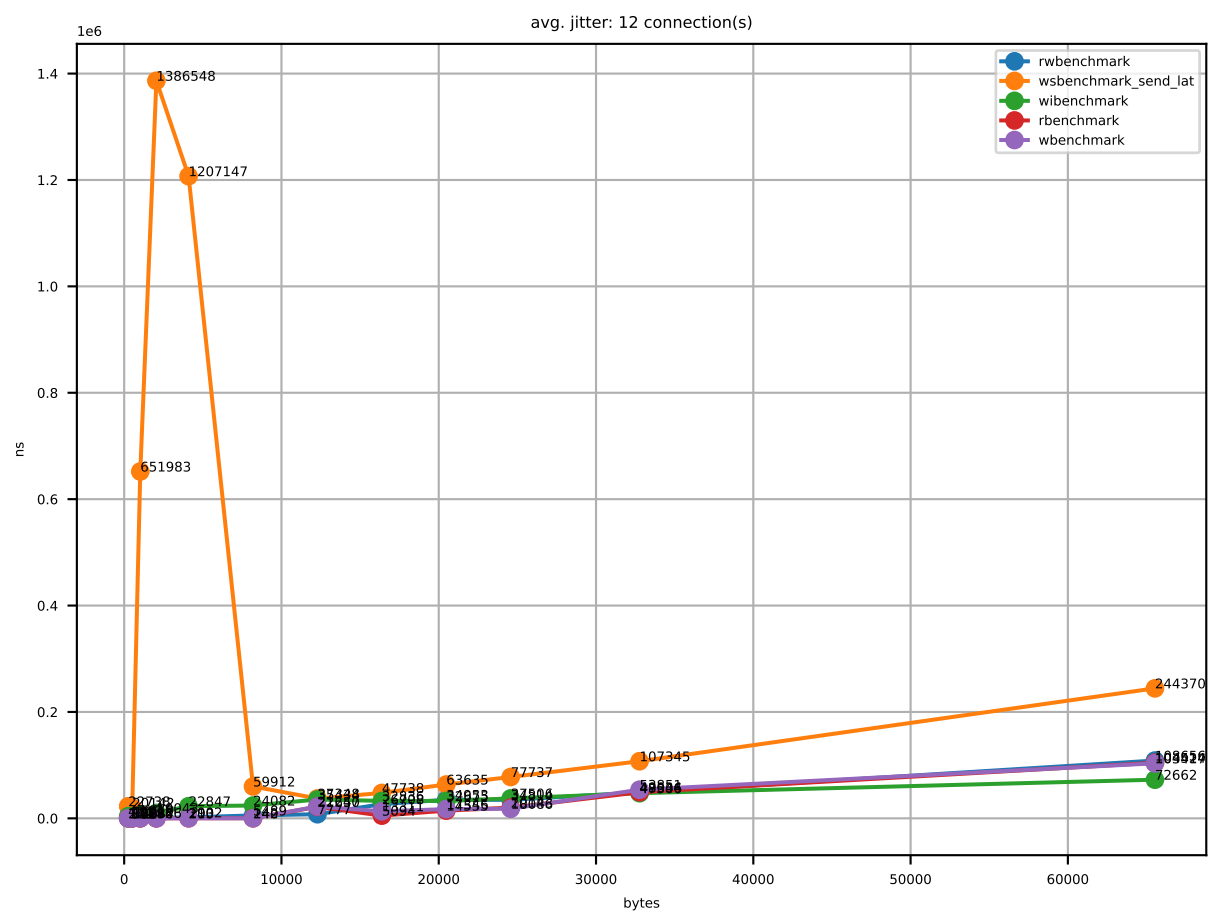
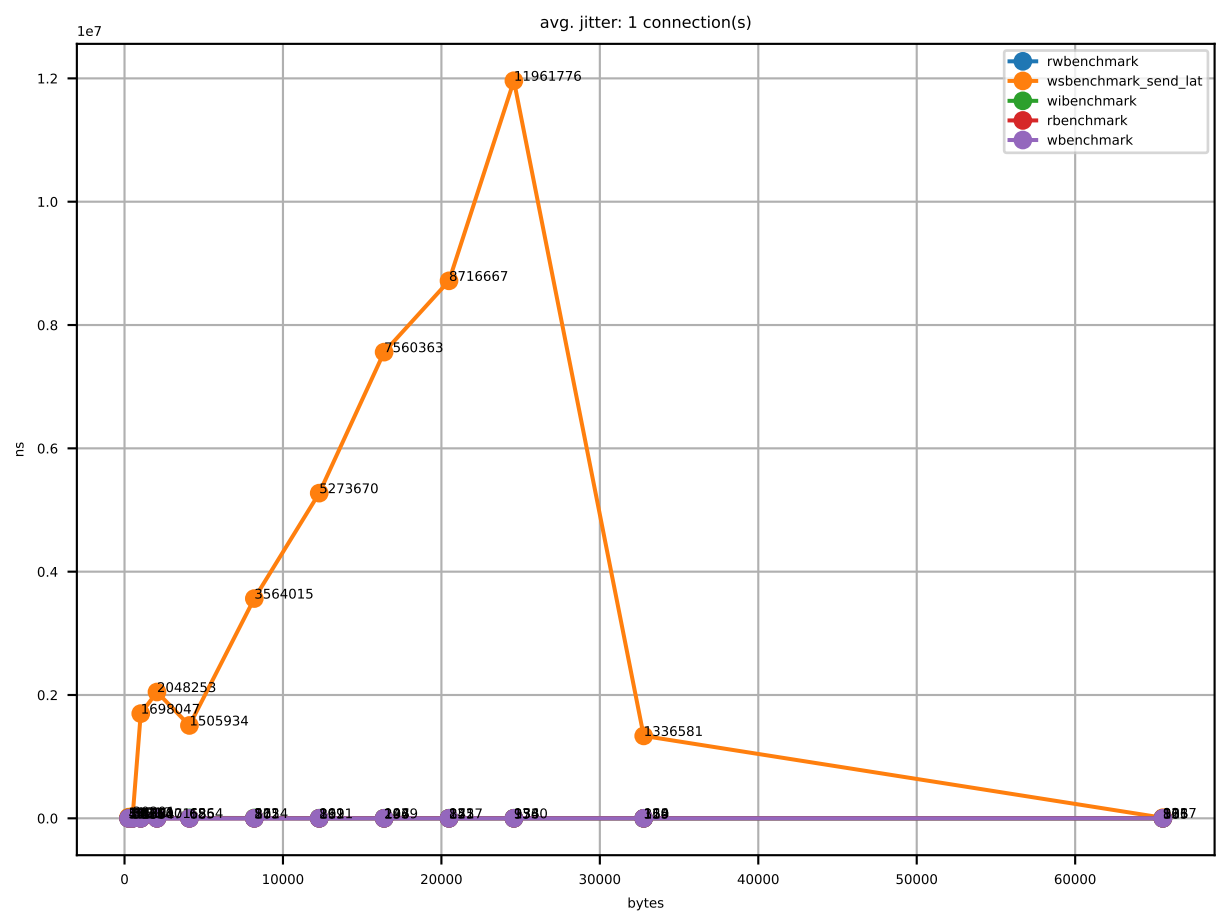
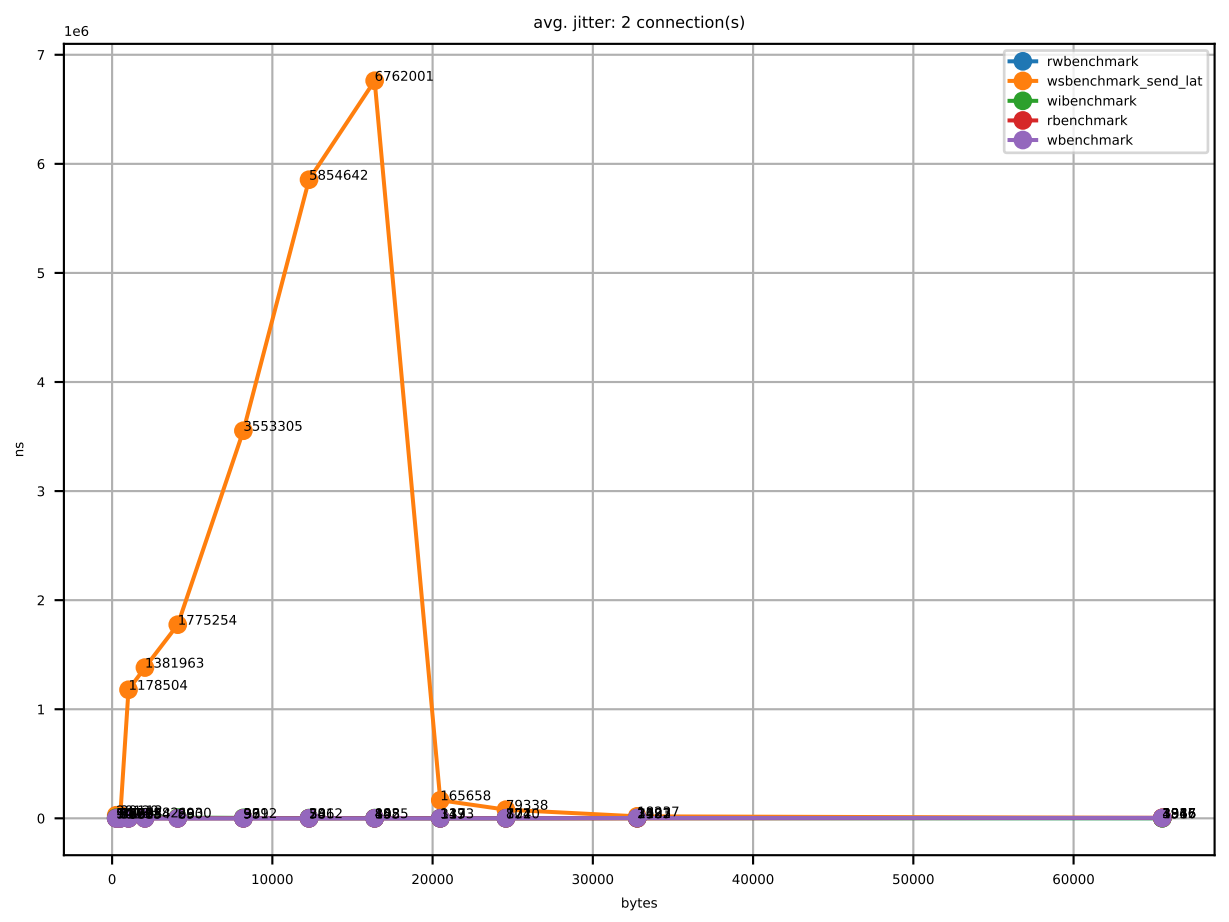
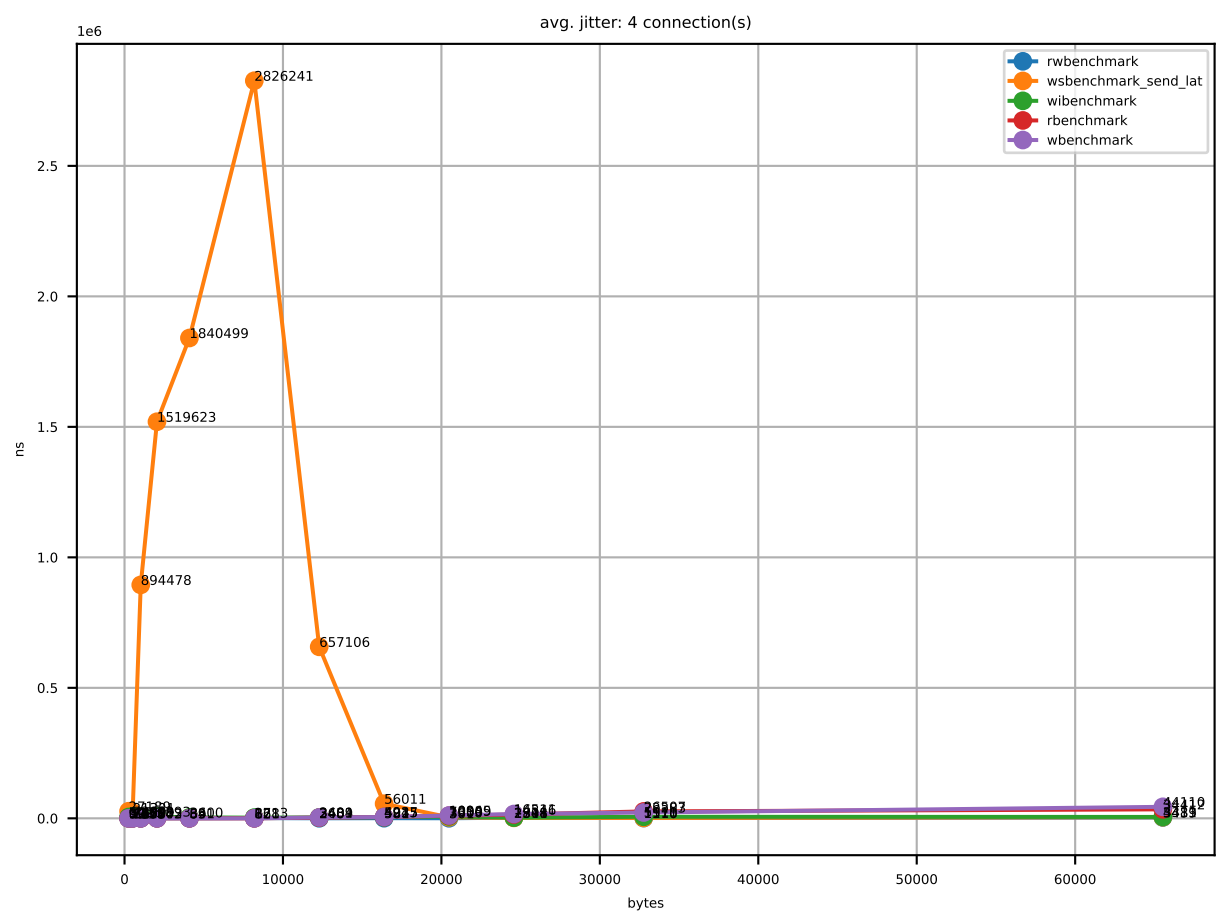
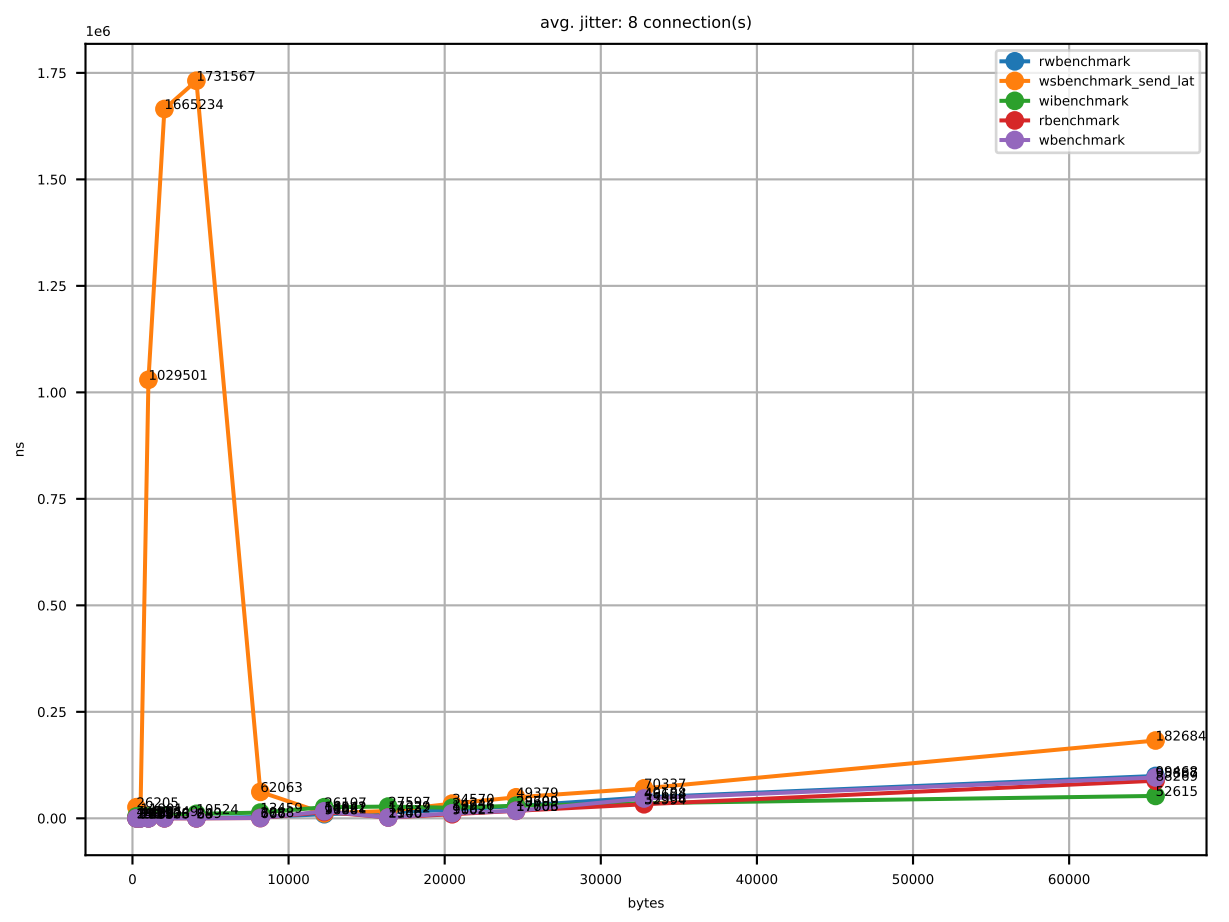
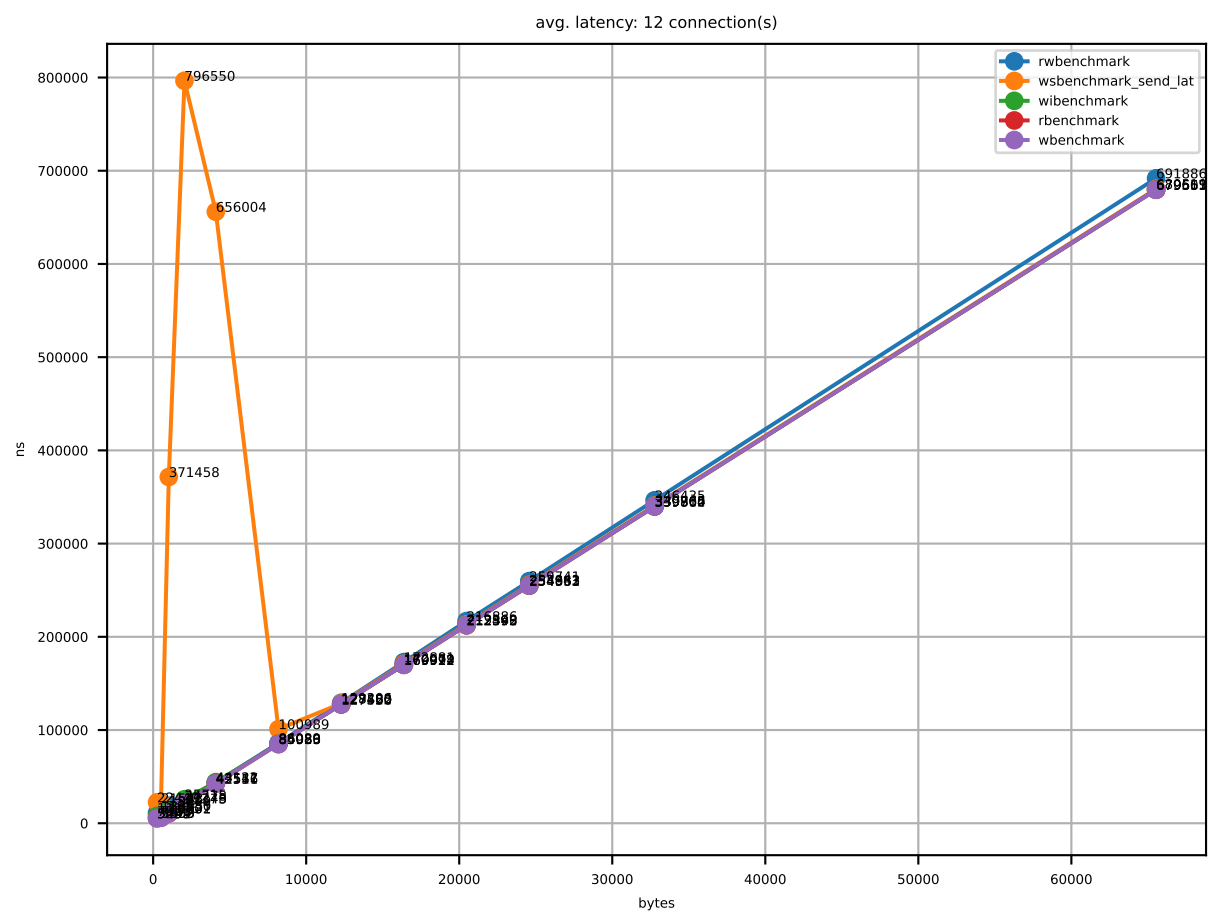

avg. jitter: 12 connection(s)
1e6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
ns
0
10000
20000
30000
40000
50000
60000
bytes
rwbenchmark
wsbenchmark_send_lat
wibenchmark
rbenchmark
wbenchmark
1386548
1207147
651983
59912
63635
77737
107345
244370
72662

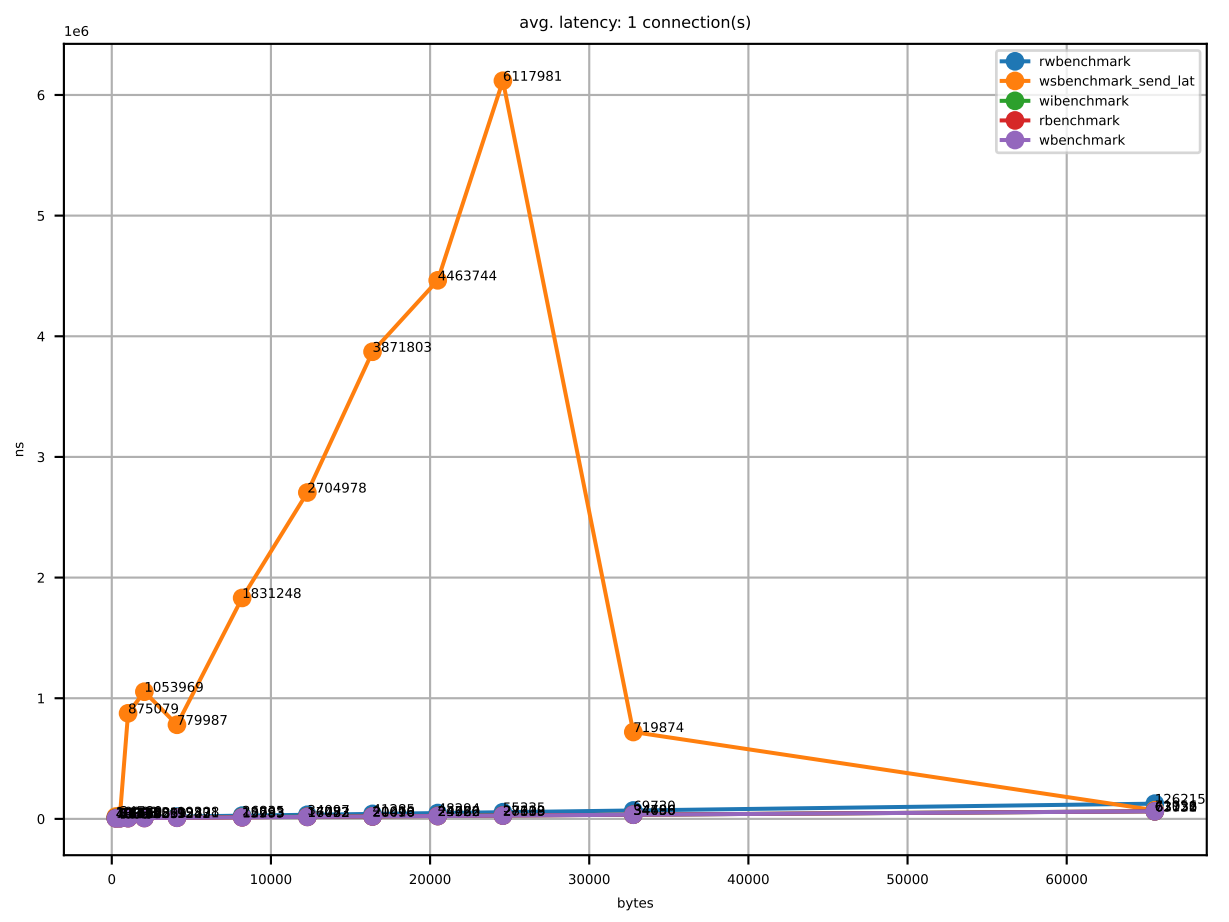

avg. jitter: 1 connection(s)
1e7
1.2
1.0
0.8
0.6
0.4
0.2
0.0
ns
0
10000
20000
30000
40000
50000
60000
bytes
rwbenchmark
wsbenchmark_send_lat
wibenchmark
rbenchmark
wbenchmark
11961776
8716667
7560363
5273670
3564015
2048253
1698047
1505934
1336581

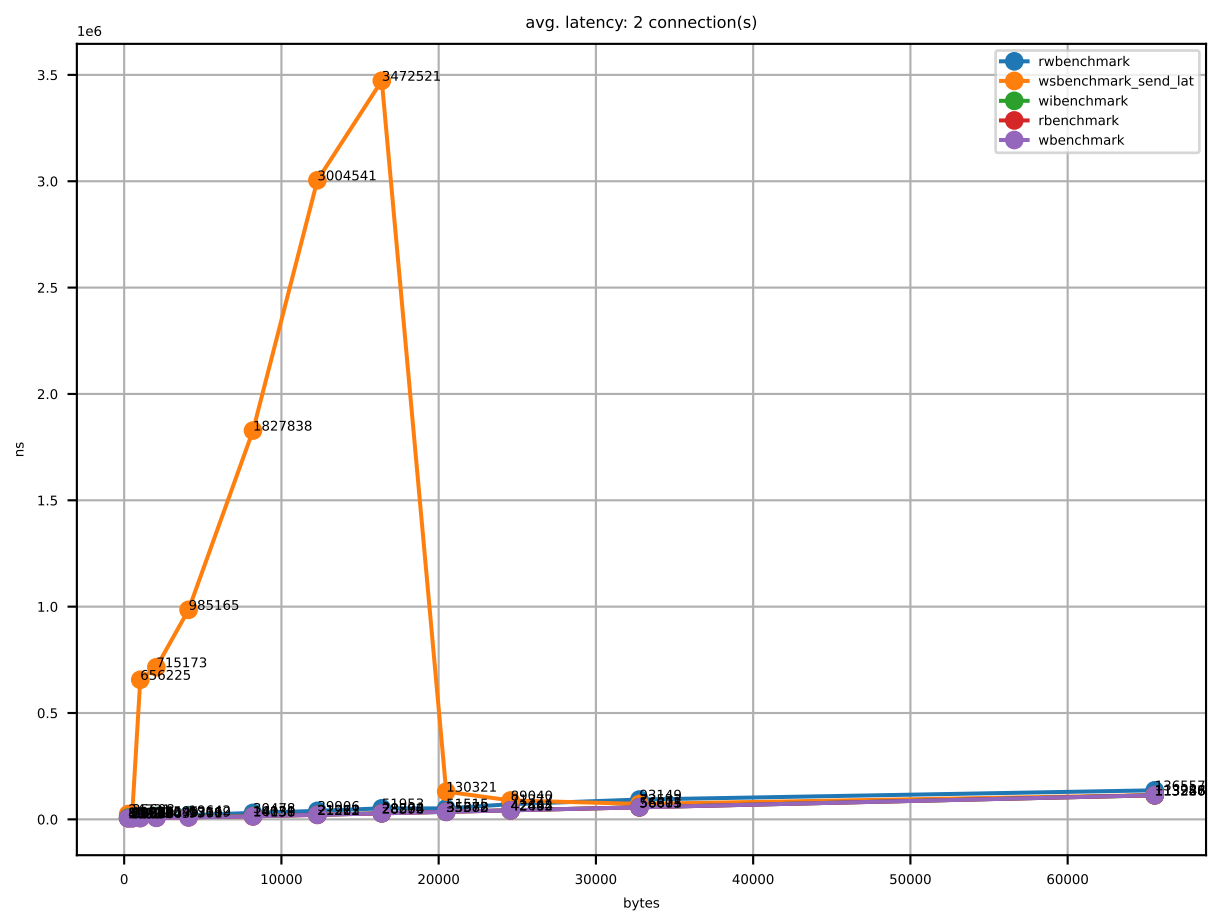

avg. jitter: 2 connection(s)
1e6
ns
bytes
rwbenchmark
wsbenchmark_send_lat
wibenchmark
rbenchmark
wbenchmark
6762001
5854642
3553305
1775254
1381963
1178504
165658
79338
0
1
2
3
4
5
6
7
0
10000
20000
30000
40000
50000
60000

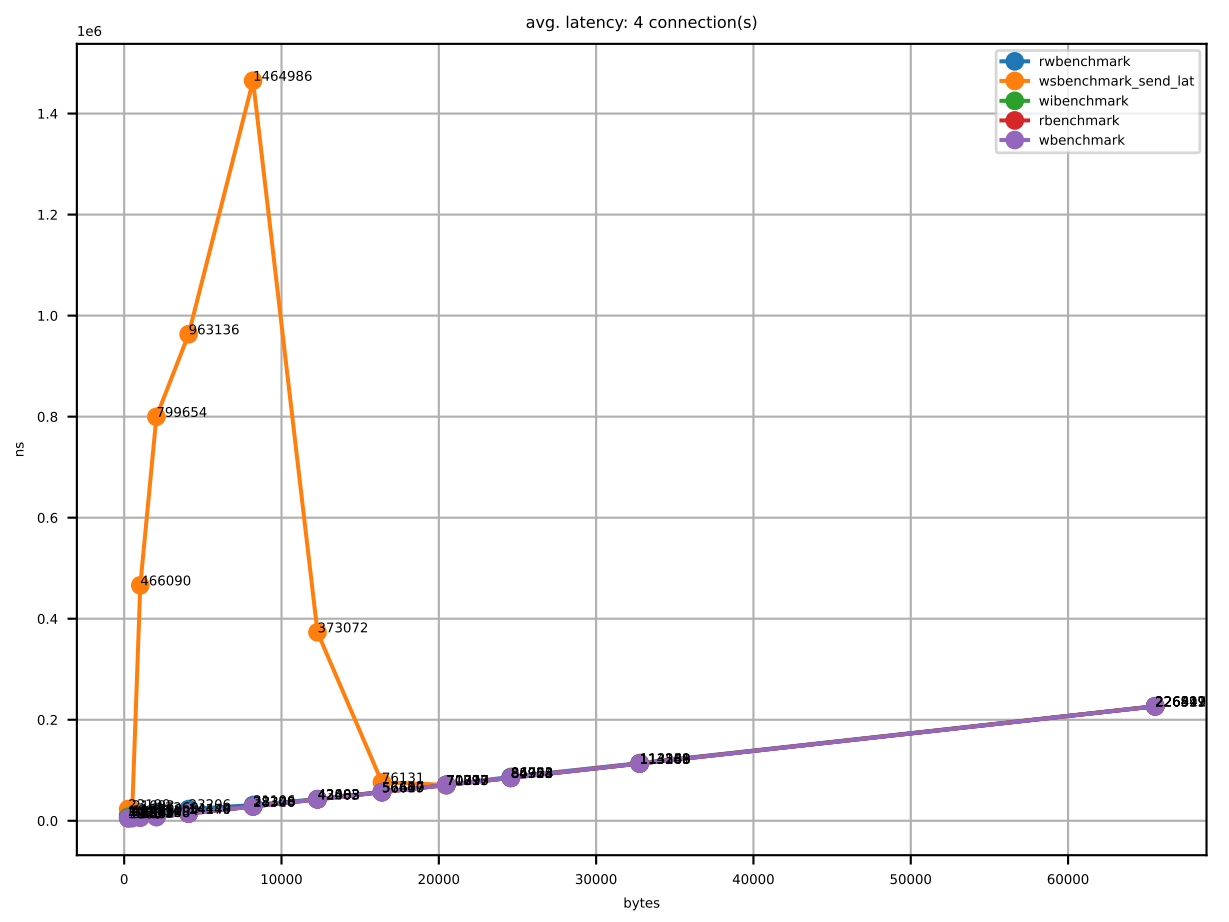

avg. jitter: 4 connection(s)
1e6
2826241
1840499
1519623
894478
657106
56011
rwbenchmark
wsbenchmark_send_lat
wibenchmark
rbenchmark
wbenchmark
ns
bytes
0.0
0.5
1.0
1.5
2.0
2.5
0
10000
20000
30000
40000
50000
60000

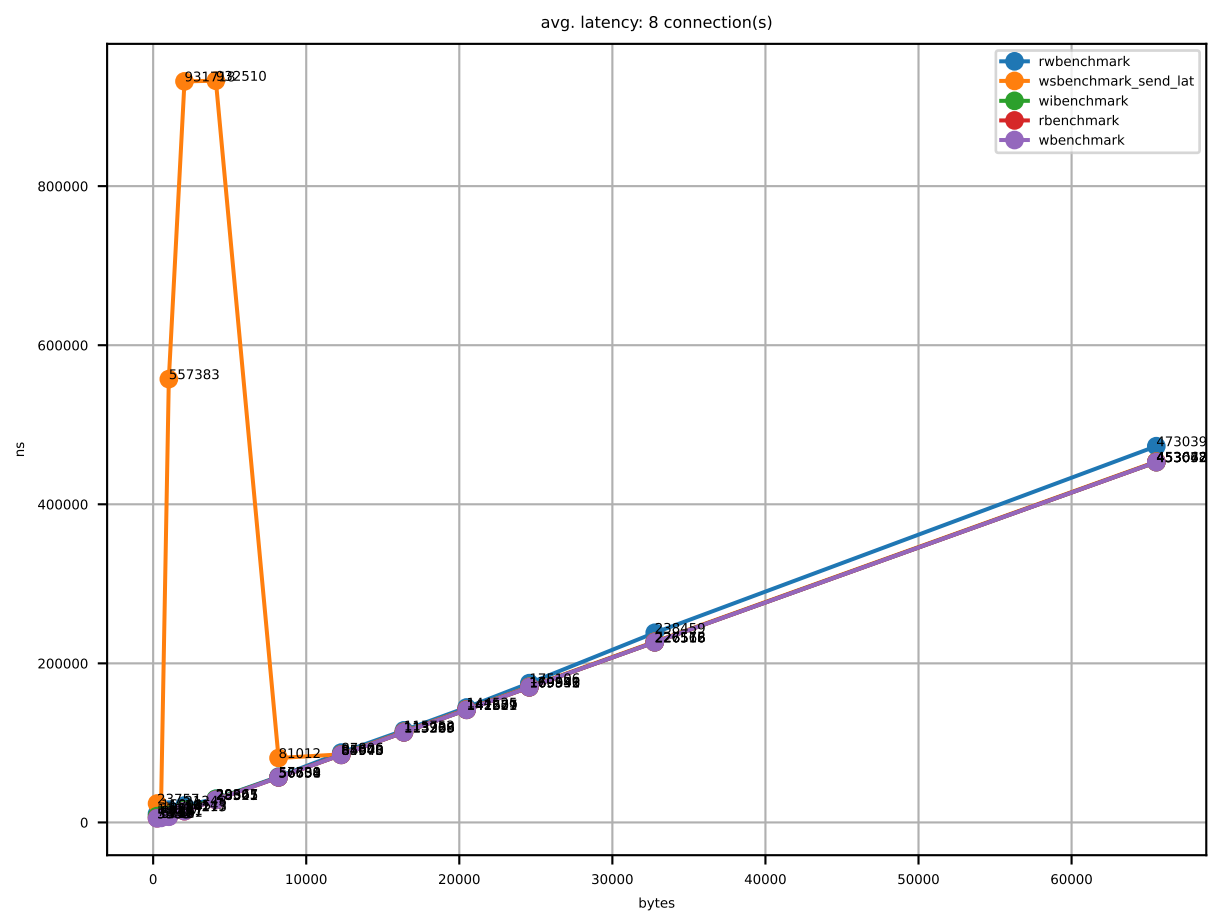

avg. jitter: 8 connection(s)
1e6
ns
bytes
rwbenchmark
wsbenchmark_send_lat
wibenchmark
rbenchmark
wbenchmark
1731567
1665234
1029501
62063
182684
52615
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
0
10000
20000
30000
40000
50000
60000

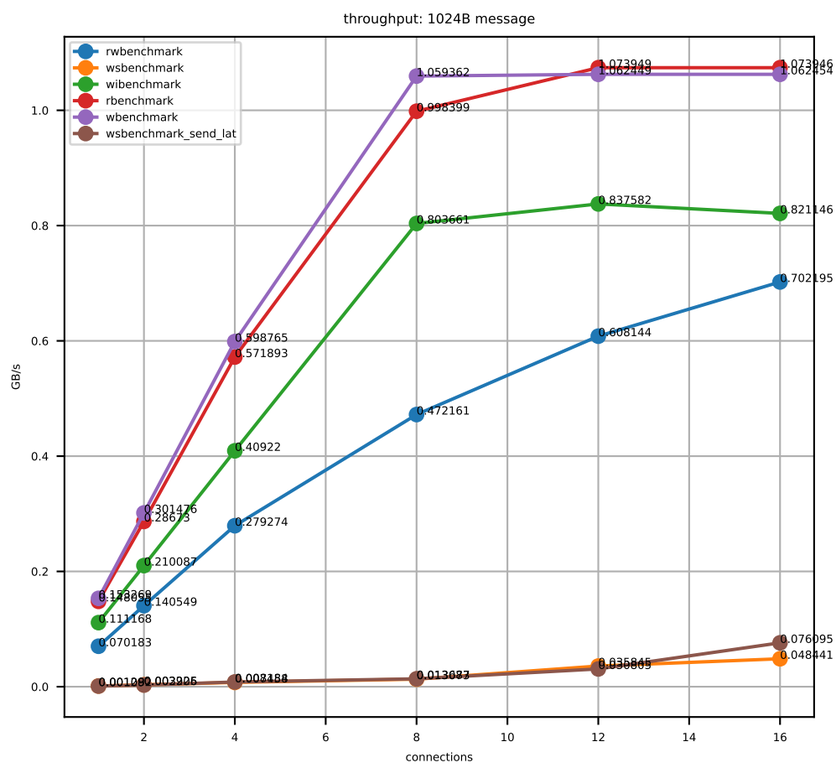

avg. latency: 12 connection(s)
rwbenchmark
wsbenchmark_send_lat
wibenchmark
rbenchmark
wbenchmark
796550
656004
371458
100989
691886
ns
bytes
0
100000
200000
300000
400000
500000
600000
700000
800000
10000
20000
30000
40000
50000
60000

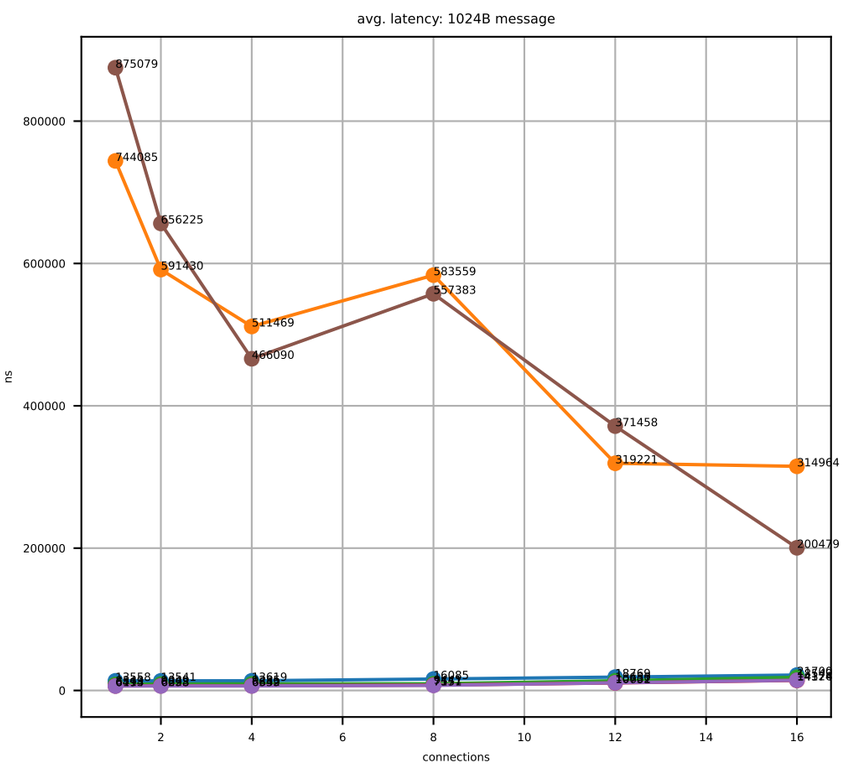

avg. latency: 1 connection(s)
1e6
ns
bytes
rwbenchmark
wsbenchmark_send_lat
wibenchmark
rbenchmark
wbenchmark
6117981
4463744
3871803
2704978
1831248
1053969
875079
779987
719874
126215
0
10000
20000
30000
40000
50000
60000
1
2
3
4
5
6

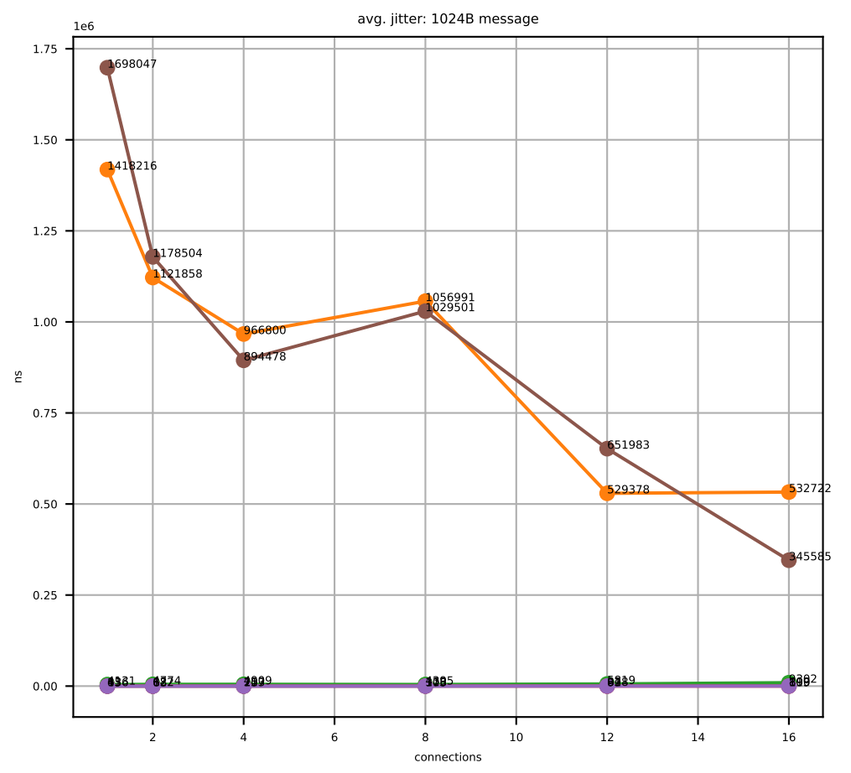

avg. latency: 2 connection(s)
1e6
rwbenchmark
wsbenchmark_send_lat
wibenchmark
rbenchmark
wbenchmark
3472521
3004541
1827838
985165
715173
656225
130321
89040
93149
ns
bytes
0
10000
20000
30000
40000
50000
60000
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5

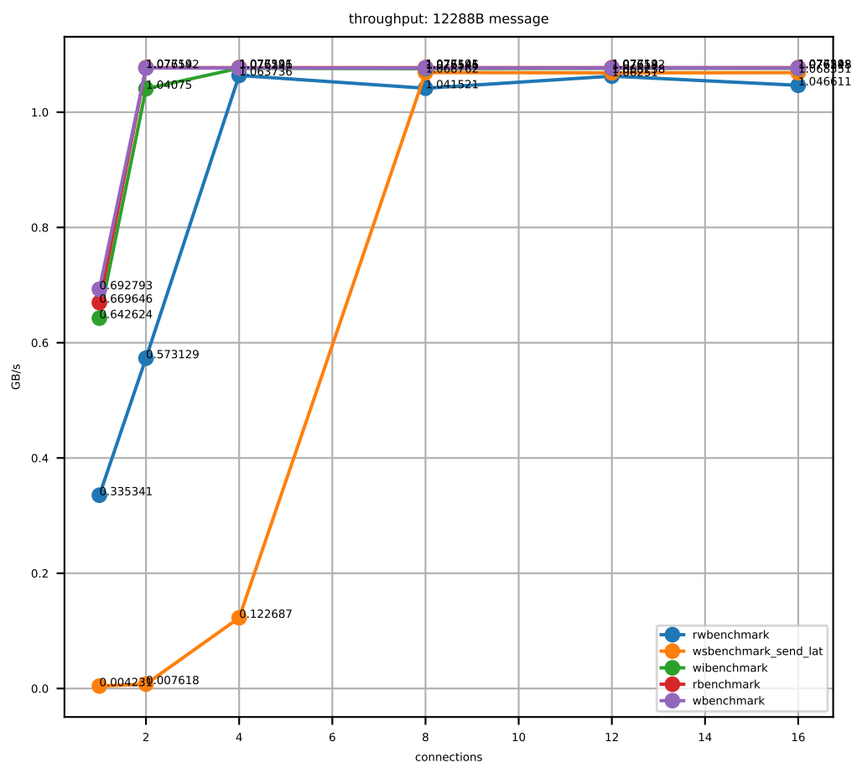

avg. latency: 4 connection(s)
1e6
ns
bytes
rwbenchmark
wsbenchmark_send_lat
wibenchmark
rbenchmark
wbenchmark
1464986
963136
799654
466090
373072
76131
0
10000
20000
30000
40000
50000
60000
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4

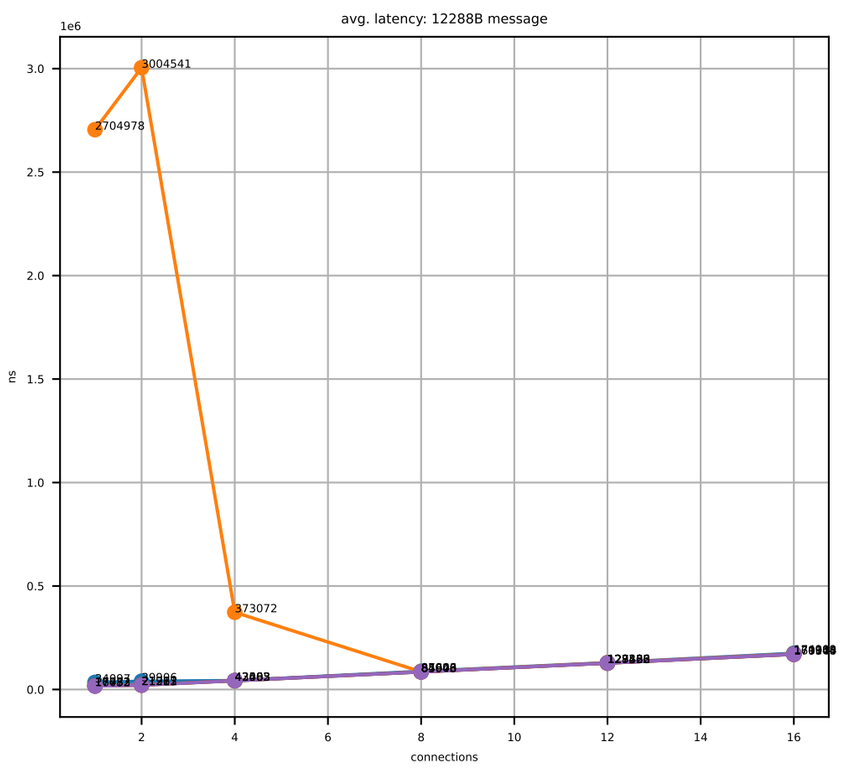

avg. latency: 8 connection(s)
rwbenchmark
wsbenchmark_send_lat
wibenchmark
rbenchmark
wbenchmark
ns
bytes
0
200000
400000
600000
800000
0
10000
20000
30000
40000
50000
60000
557383
81012
473039

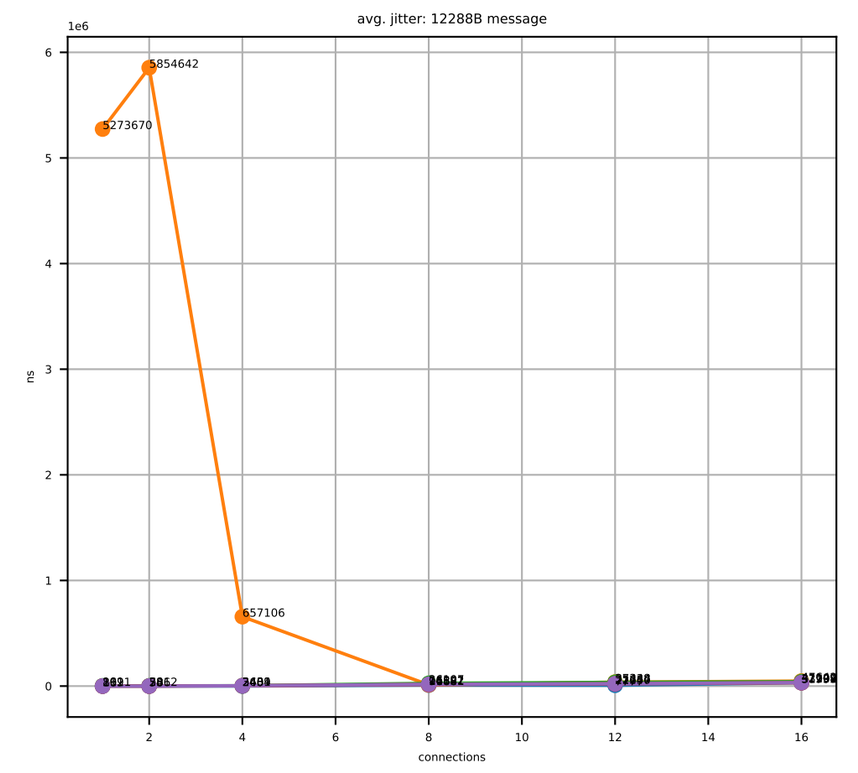

throughput: 1024B message
rwbenchmark
wsbenchmark
wibenchmark
rbenchmark
wbenchmark
wsbenchmark_send_lat
GB/s
connections
1.073949
1.062449
1.059362
0.998399
0.837582
0.821146
0.803661
0.702195
0.608144
0.571893
0.472161
0.410922
0.301476
0.286173
0.279274
0.210087
0.140549
0.111168
0.070183
0.076095
0.048441

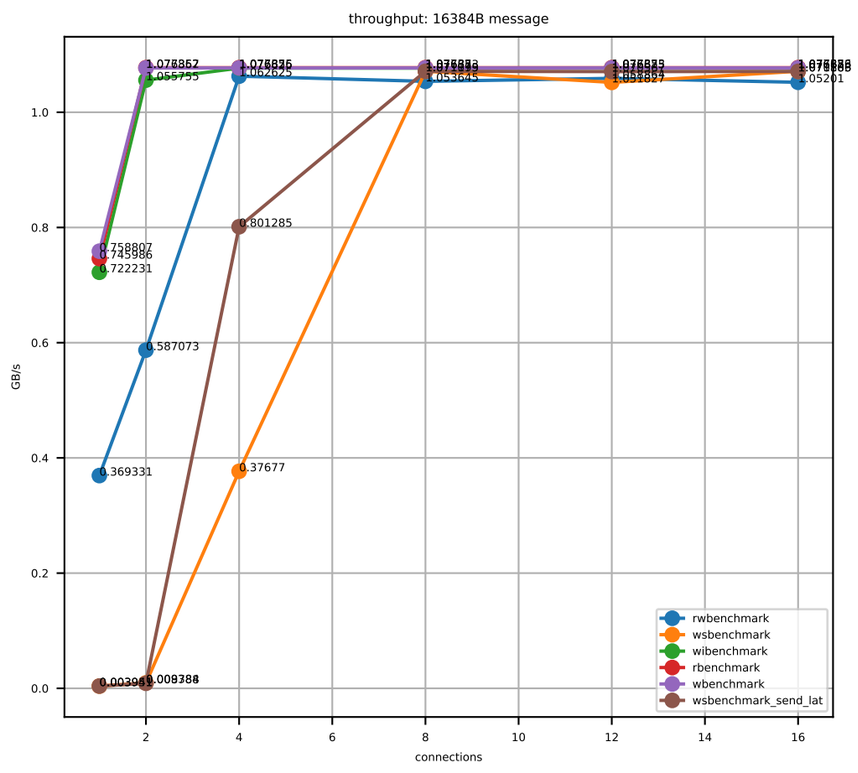

avg. latency: 1024B message
ns
connections
875079
744085
656225
591430
583559
557383
511469
466090
371458
319221
314964
200479

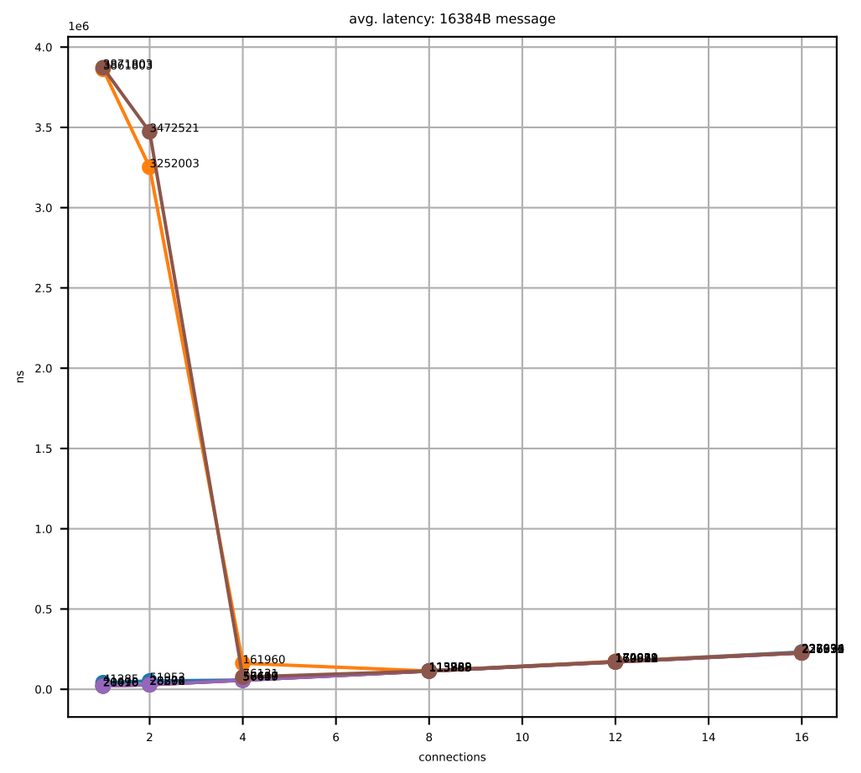

avg. jitter: 1024B message
1e6
ns
connections
1698047
1418216
1178504
1121858
1056991
1029501
966800
894478
651983
532722
529378
345585

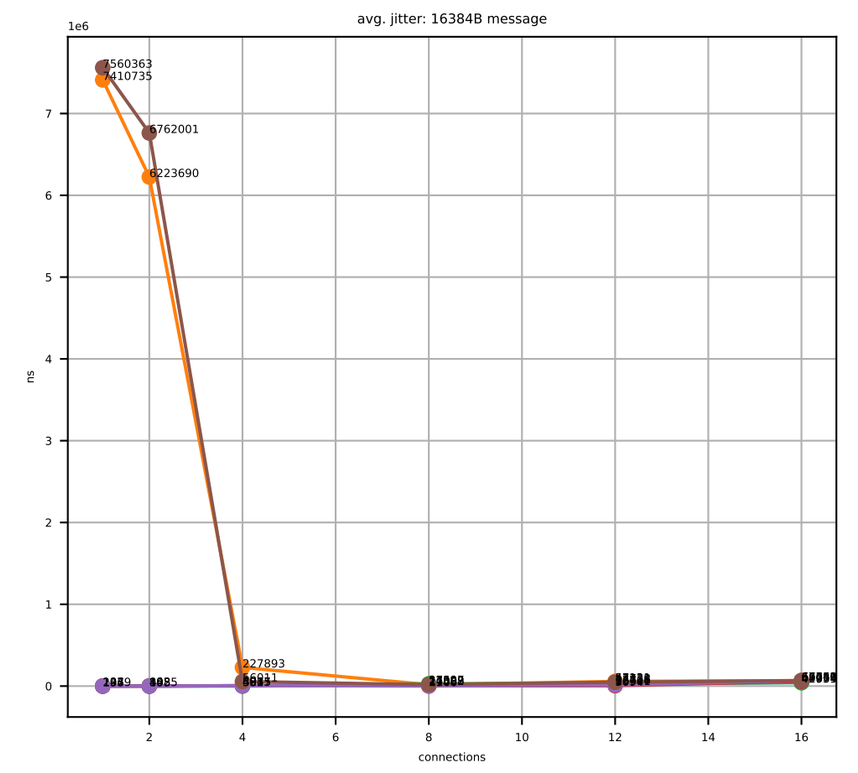

throughput: 12288B message
GB/s
connections
rwbenchmark
wsbenchmark_send_lat
wibenchmark
rbenchmark
wbenchmark
1.076592
1.04075
0.692793
0.669646
0.642624
0.573129
0.335341
0.122687
0.007618
0.004230
1.063736
1.041521
1.046611

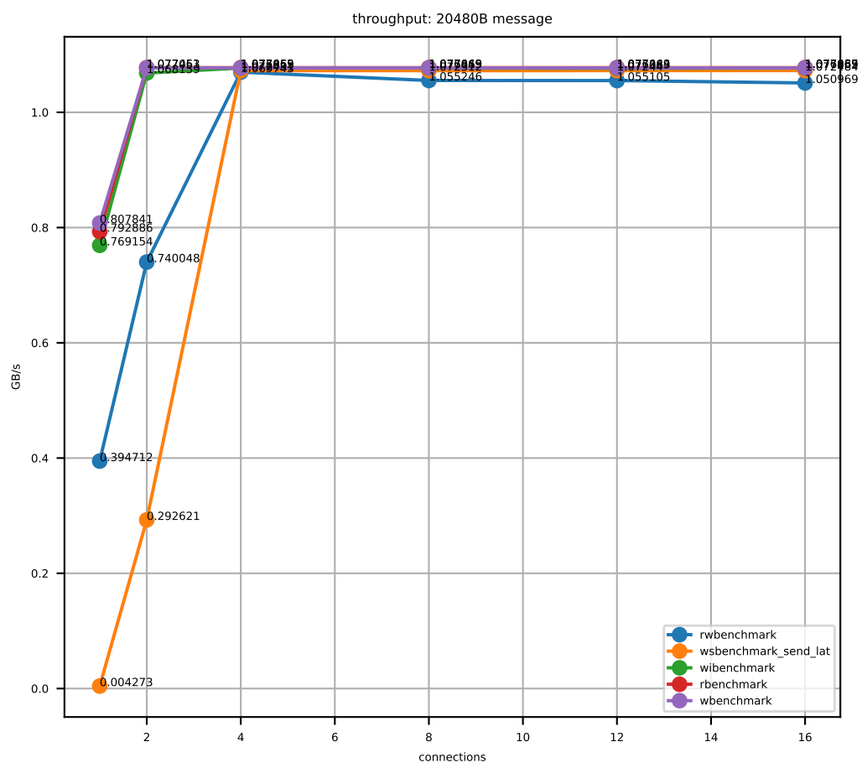

avg. latency: 12288B message
1e6
ns
connections
3004541
2704978
373072

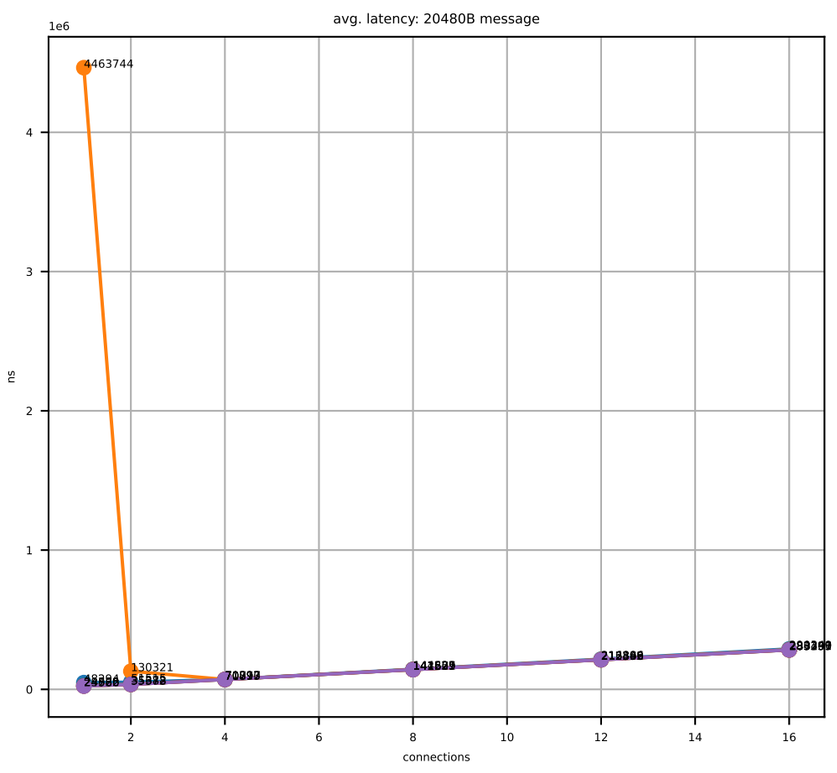

avg. jitter: 12288B message
1e6
ns
connections
5854642
5273670
657106

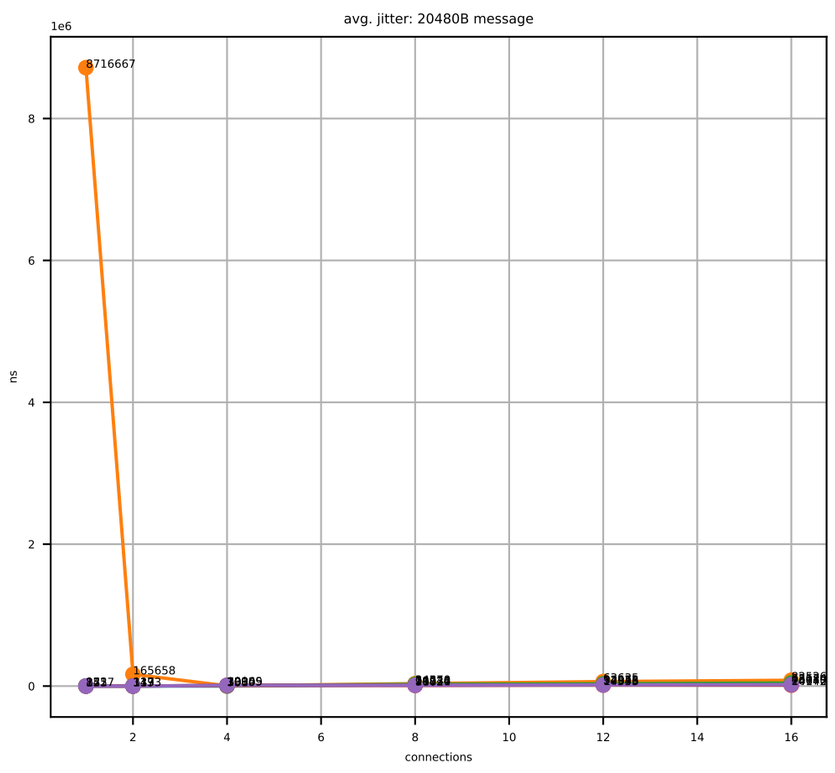

throughput: 16384B message
GB/s
connections
rwbenchmark
wsbenchmark
wibenchmark
rbenchmark
wbenchmark
wsbenchmark_send_lat

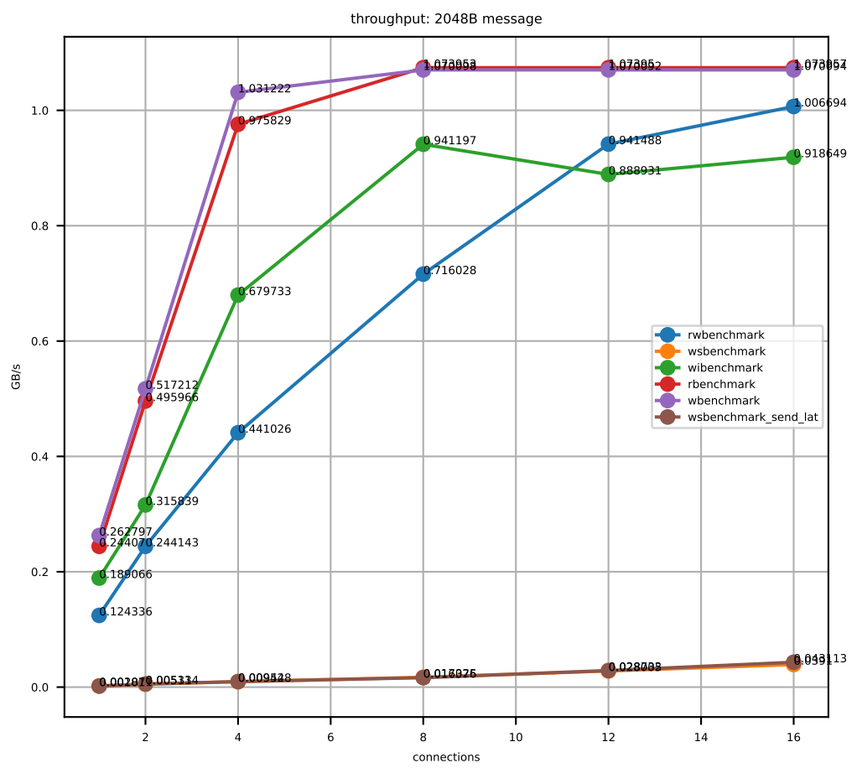

avg. latency: 16384B message
1e6
ns
connections

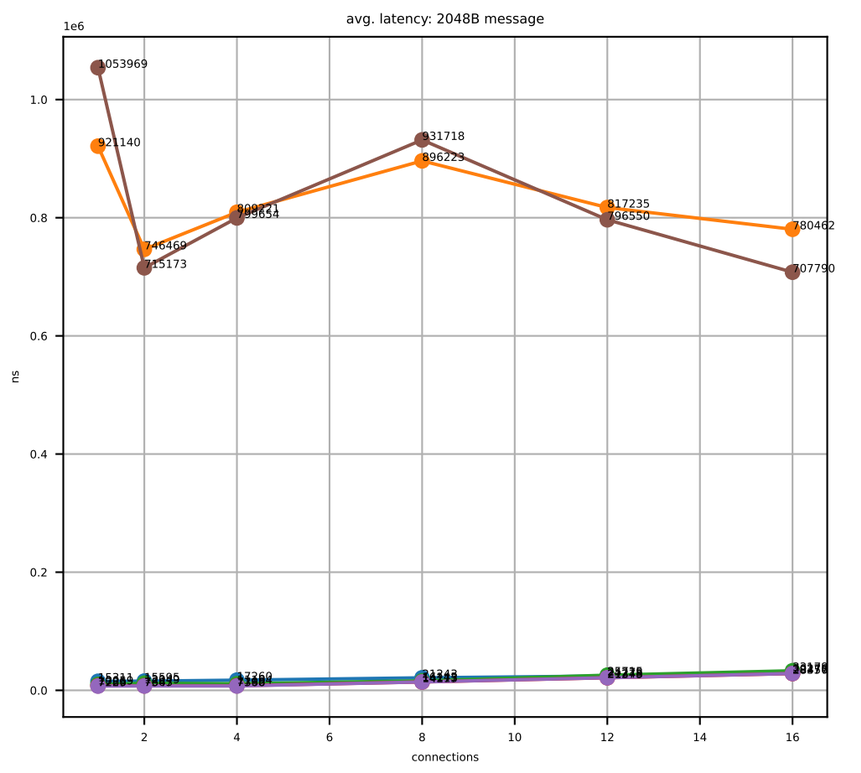

avg. jitter: 16384B message
1e6
ns
connections

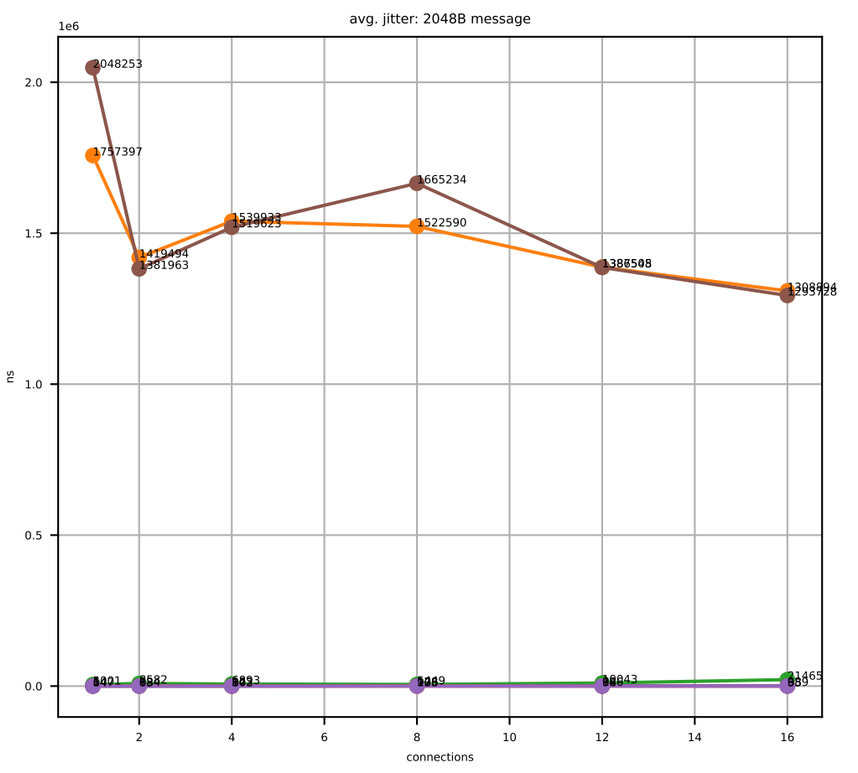

throughput: 20480B message
GB/s
connections
rwbenchmark
wsbenchmark_send_lat
wibenchmark
rbenchmark
wbenchmark
0.807841
0.792886
0.769154
0.740048
0.394712
0.292621
0.004273
1.055246
1.055105
1.050969

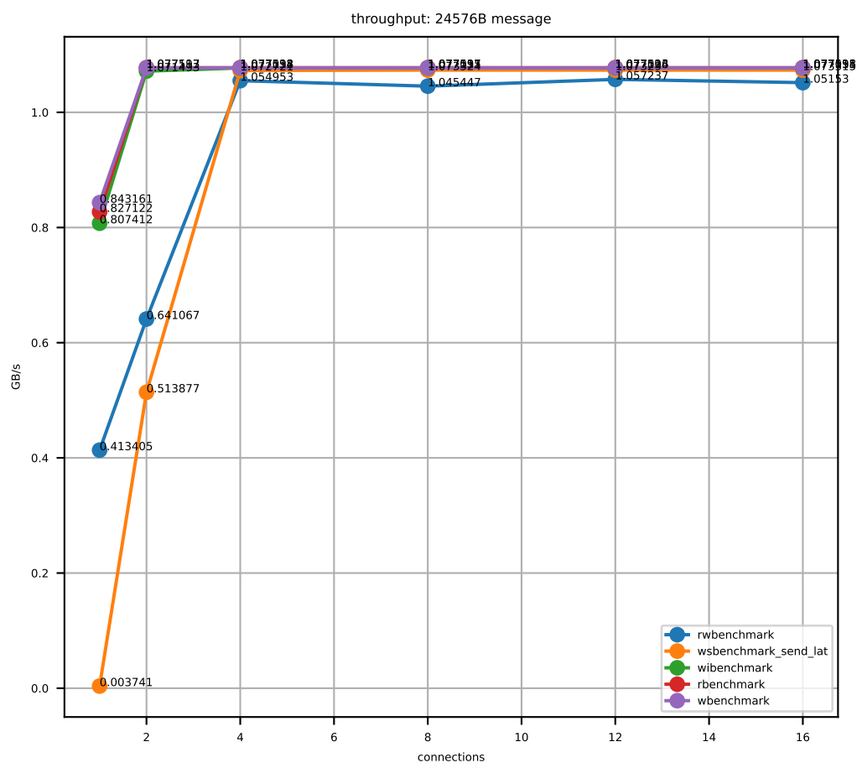

avg. latency: 20480B message
1e6
ns
connections
4463744
130321

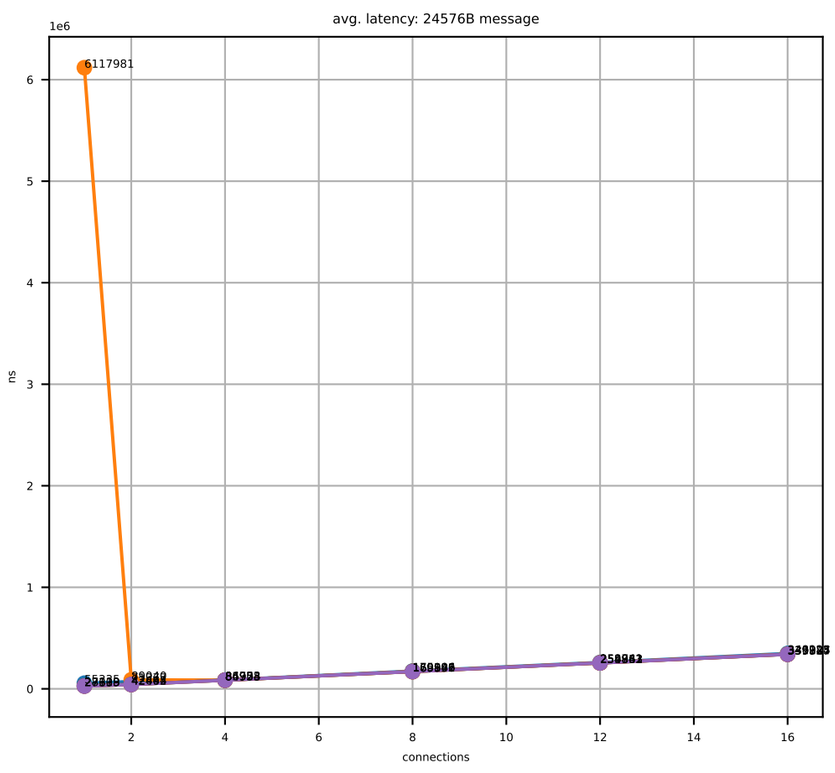

avg. jitter: 20480B message
1e6
ns
connections
8716667
165658

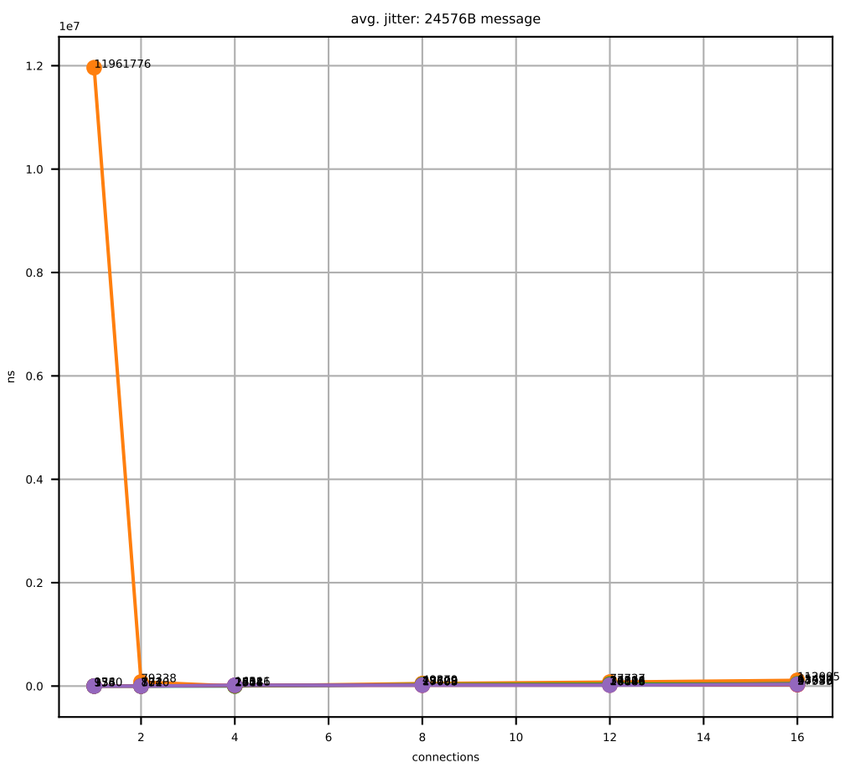

throughput: 2048B message
GB/s
connections
rwbenchmark
wsbenchmark
wibenchmark
rbenchmark
wbenchmark
wsbenchmark_send_lat

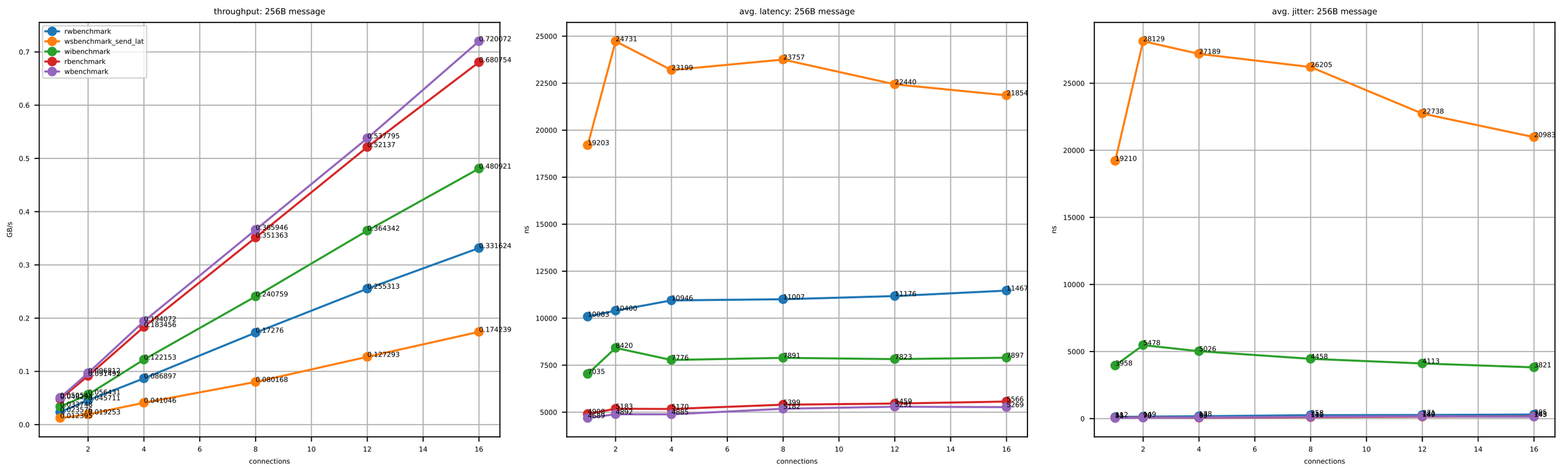

avg. latency: 2048B message
1e6
ns
connections

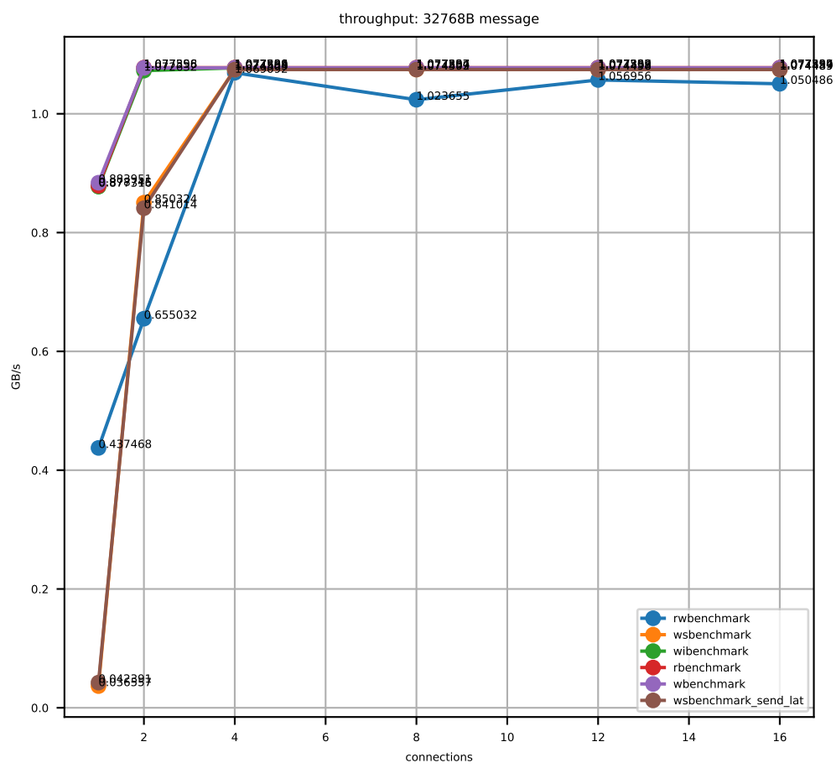

avg. jitter: 2048B message
1e6
ns
connections

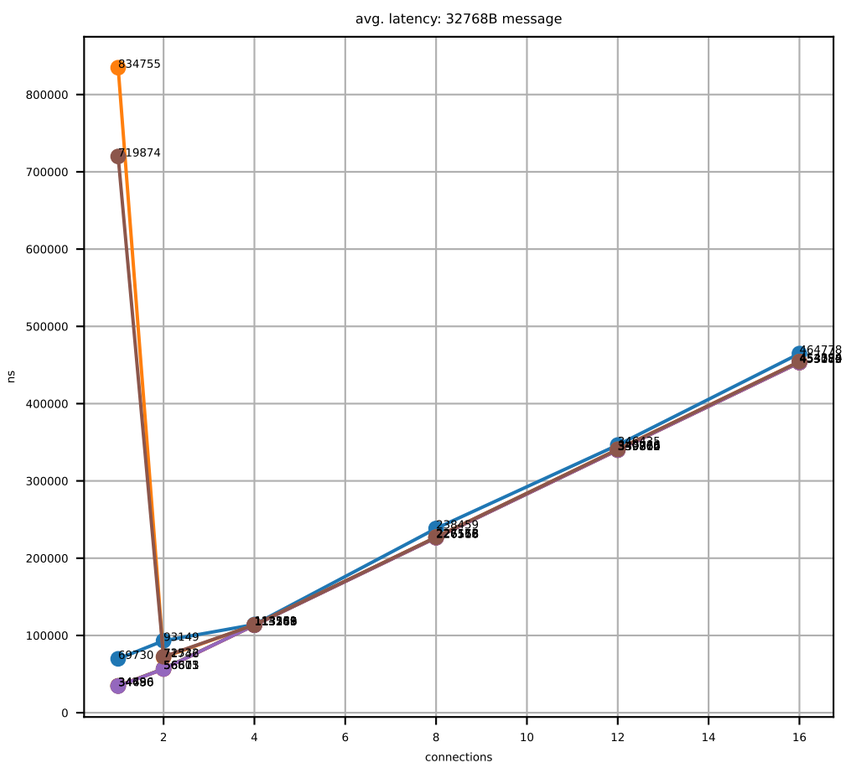

throughput: 24576B message
GB/s
connections
rwbenchmark
wsbenchmark_send_lat
wibenchmark
rbenchmark
wbenchmark
0.843161
0.827122
0.807412
0.641067
0.513877
0.413405
0.003741
1.054953
1.045447
1.057237
1.05153

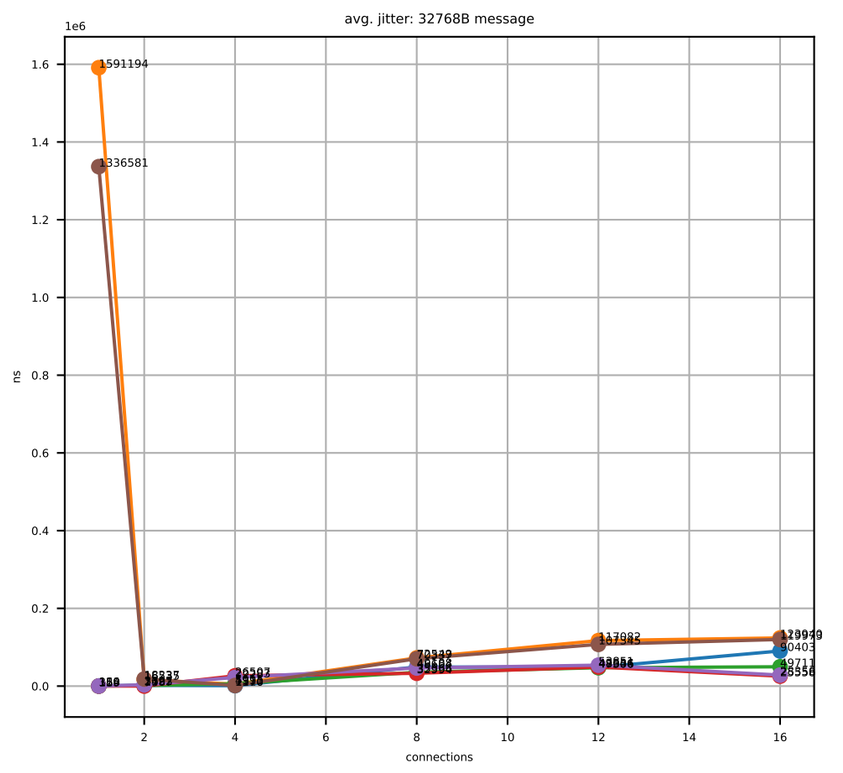

avg. latency: 24576B message
1e6
ns
connections
6117981

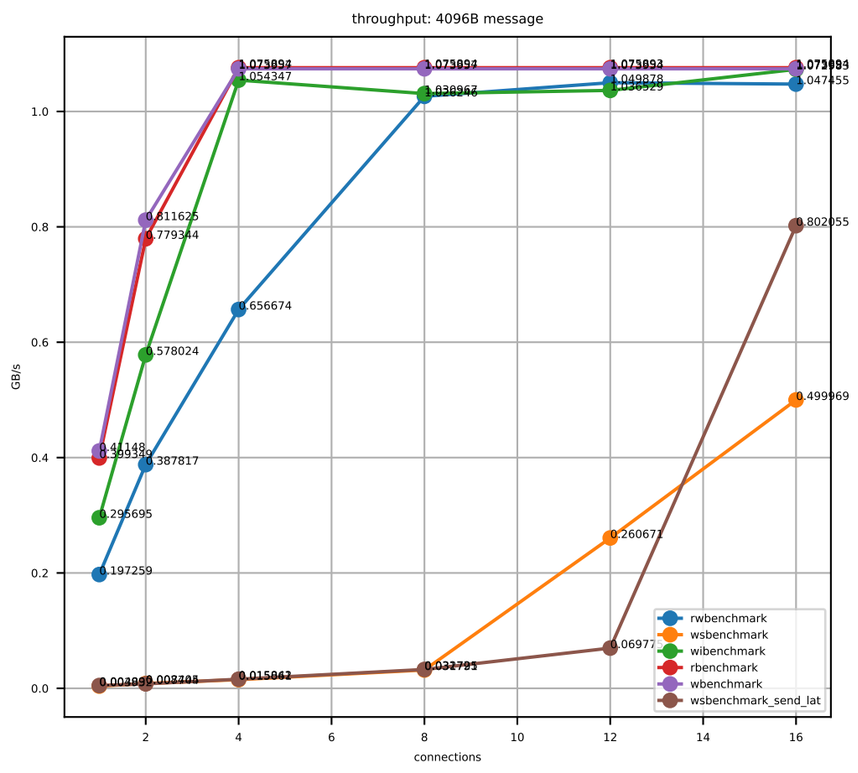

avg. jitter: 24576B message
1e7
ns
connections
11961776

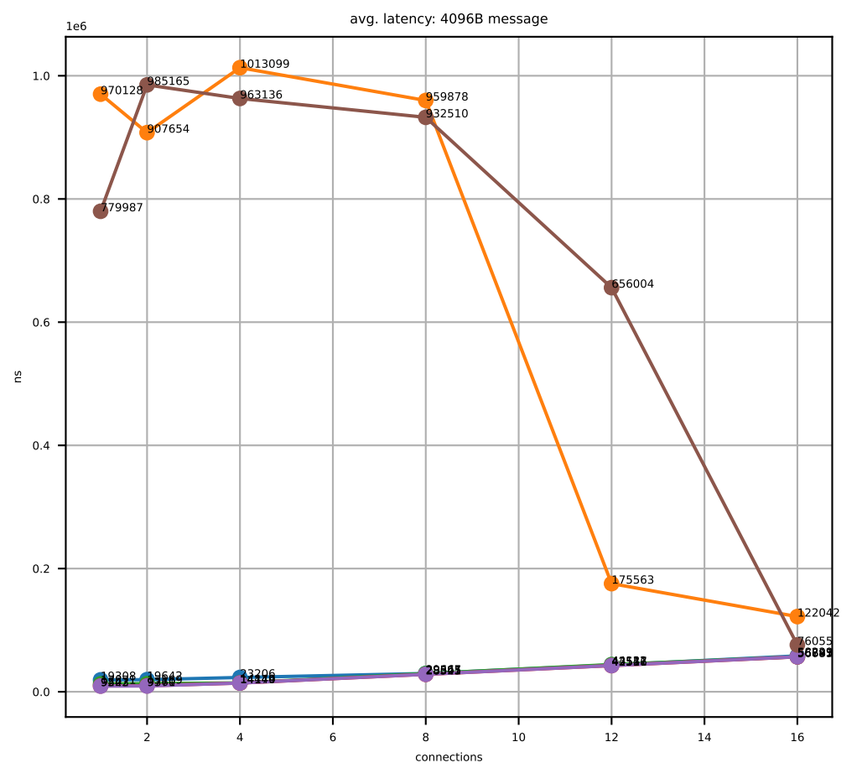

throughput: 256B message
rwbenchmark
wsbenchmark_send_lat
wibenchmark
rbenchmark
wbenchmark
GB/s
connections
avg. latency: 256B message
ns
connections
avg. jitter: 256B message
ns
connections

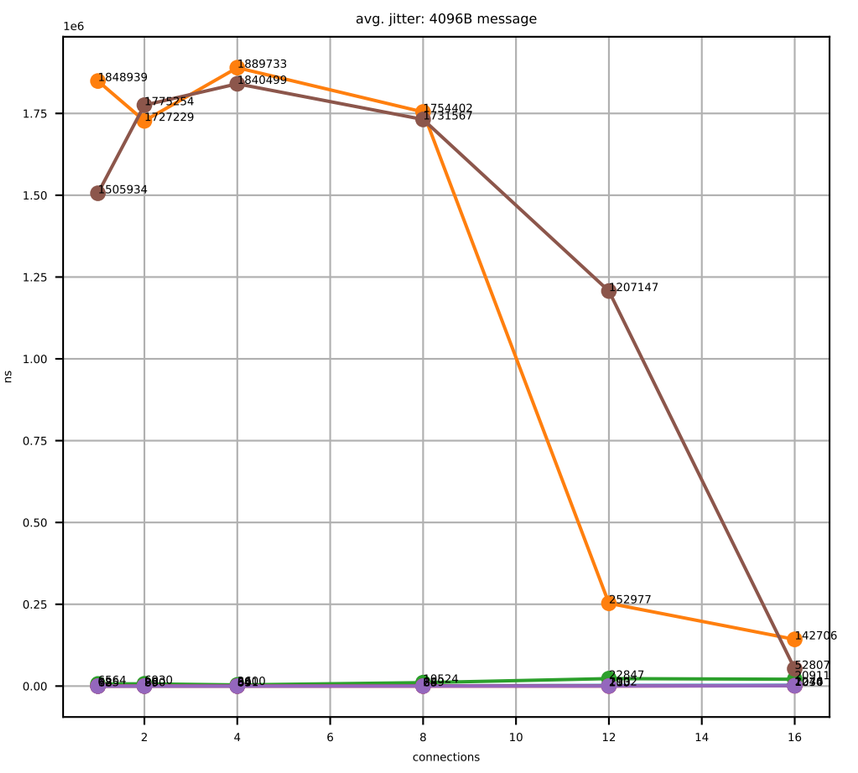

throughput: 32768B message
GB/s
connections
rwbenchmark
wsbenchmark
wibenchmark
rbenchmark
wbenchmark
wsbenchmark_send_lat

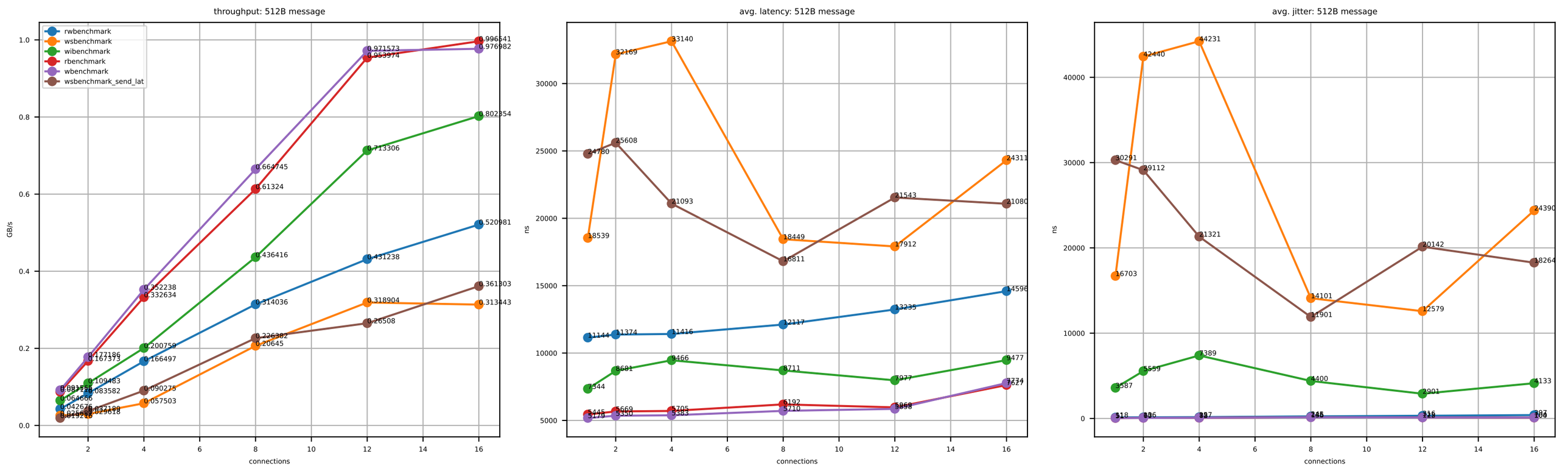

avg. latency: 32768B message
ns
connections

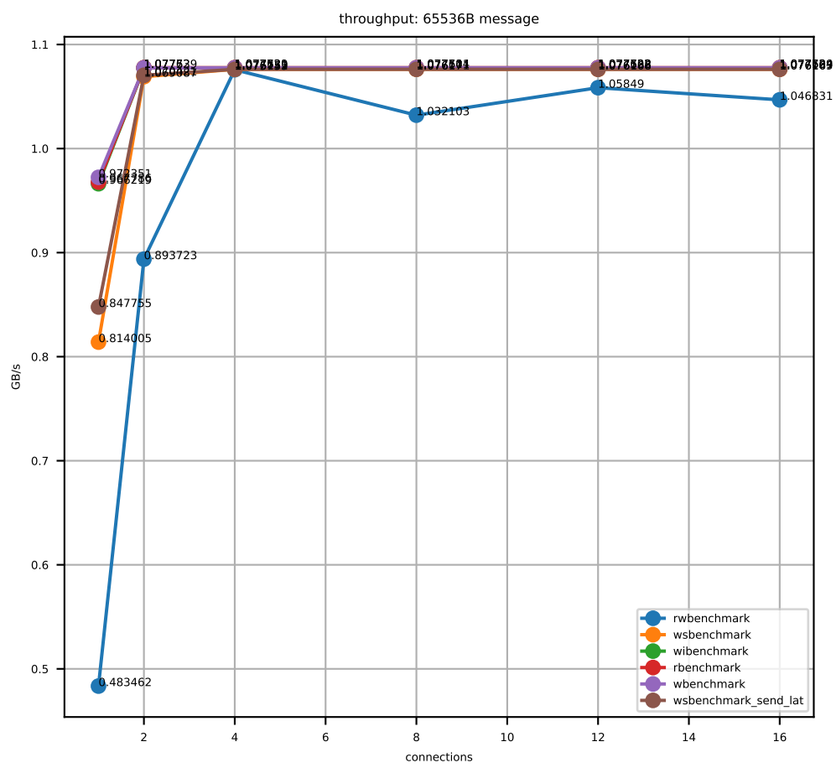

avg. jitter: 32768B message
1e6
ns
connections

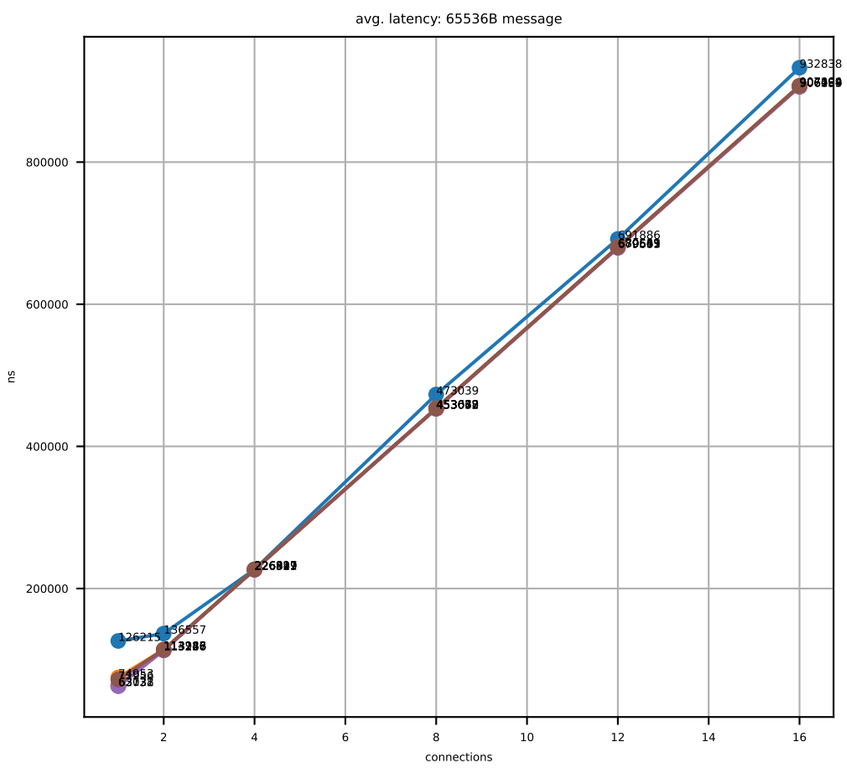

throughput: 4096B message
GB/s
connections
rwbenchmark
wsbenchmark
wibenchmark
rbenchmark
wbenchmark
wsbenchmark_send_lat

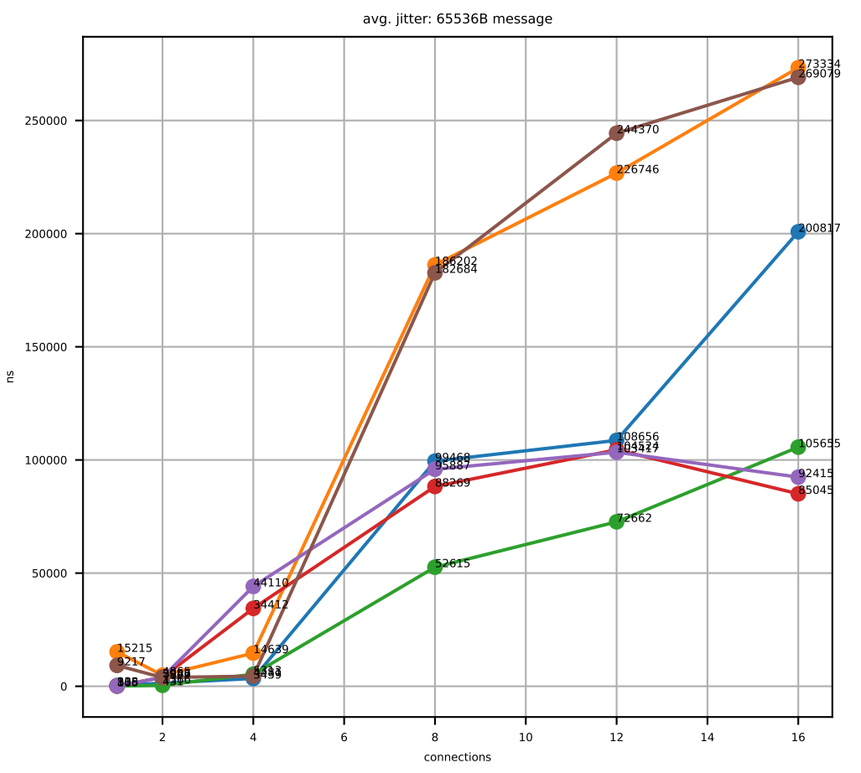

avg. latency: 4096B message
1e6
ns
connections

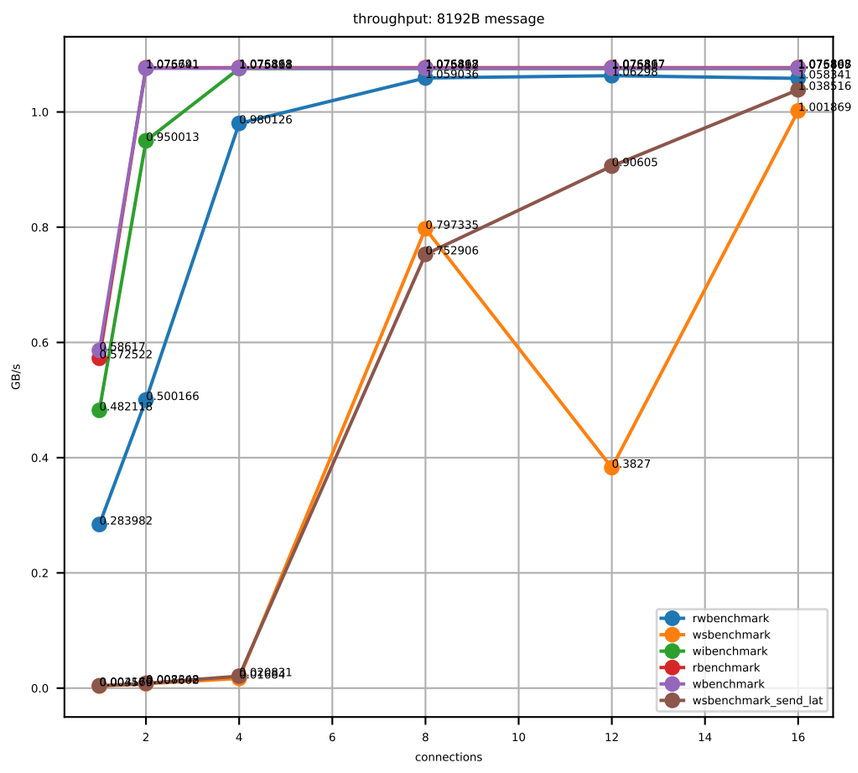

avg. jitter: 4096B message
1e6
ns
connections

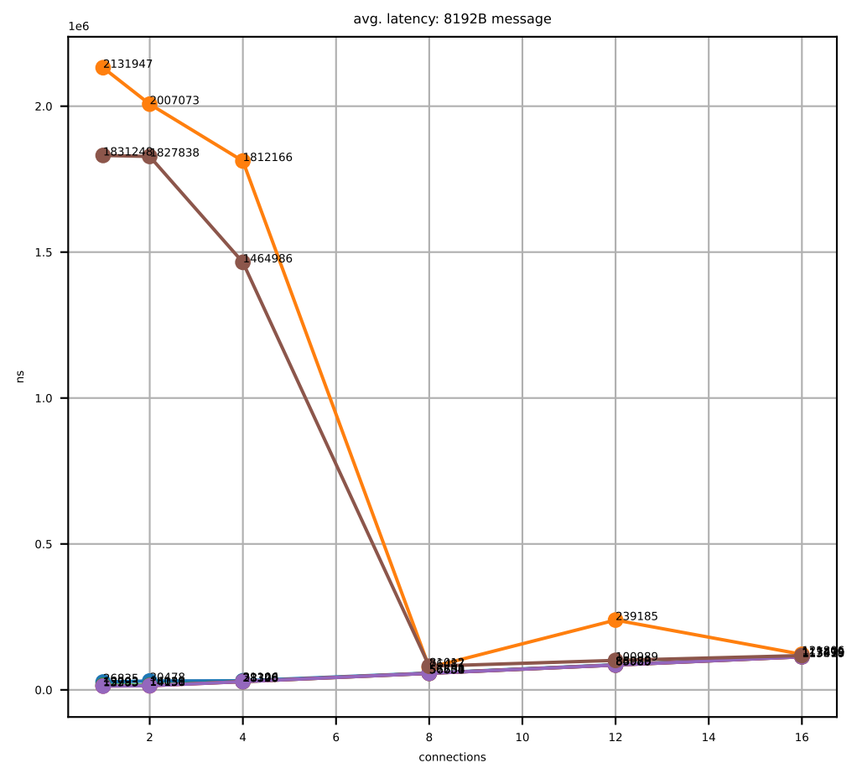

throughput: 512B message
rwbenchmark
wsbenchmark
wibenchmark
rbenchmark
wbenchmark
wsbenchmark_send_lat
GB/s
connections
avg. latency: 512B message
ns
connections
avg. jitter: 512B message
ns
connections

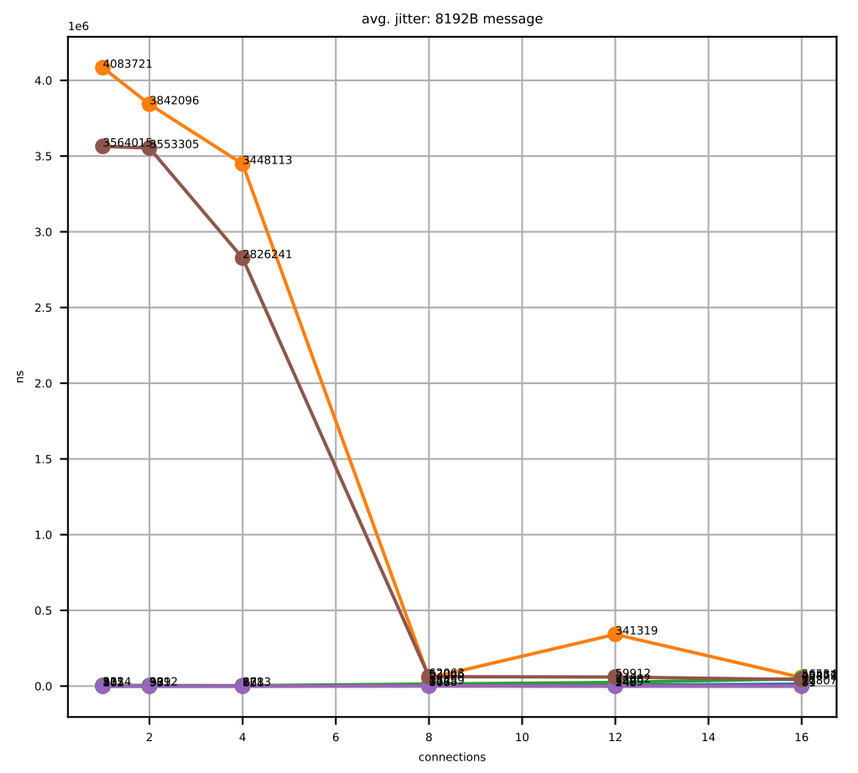

throughput: 65536B message
GB/s
connections
rwbenchmark
wsbenchmark
wibenchmark
rbenchmark
wbenchmark
wsbenchmark_send_lat

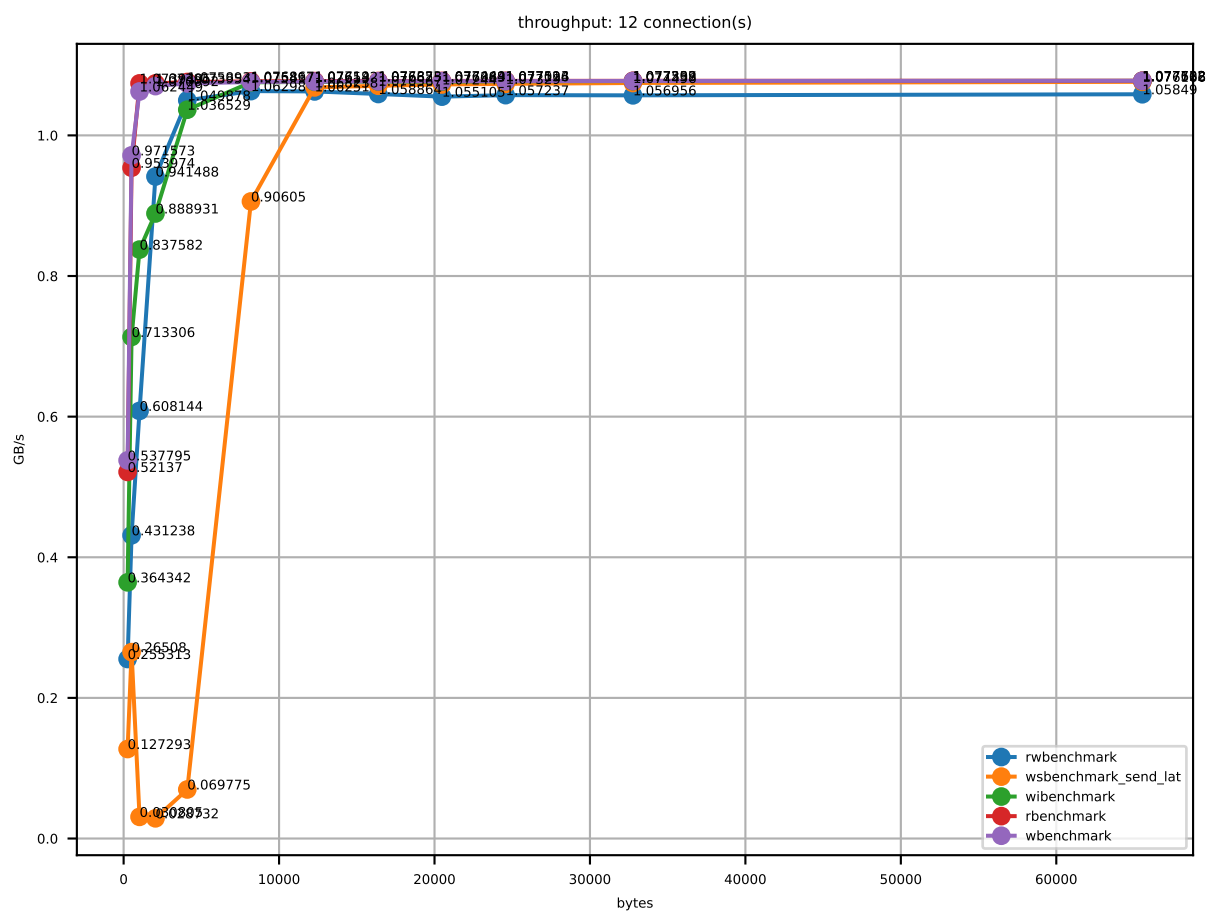

avg. latency: 65536B message
ns
connections


avg. jitter: 65536B message
ns
connections

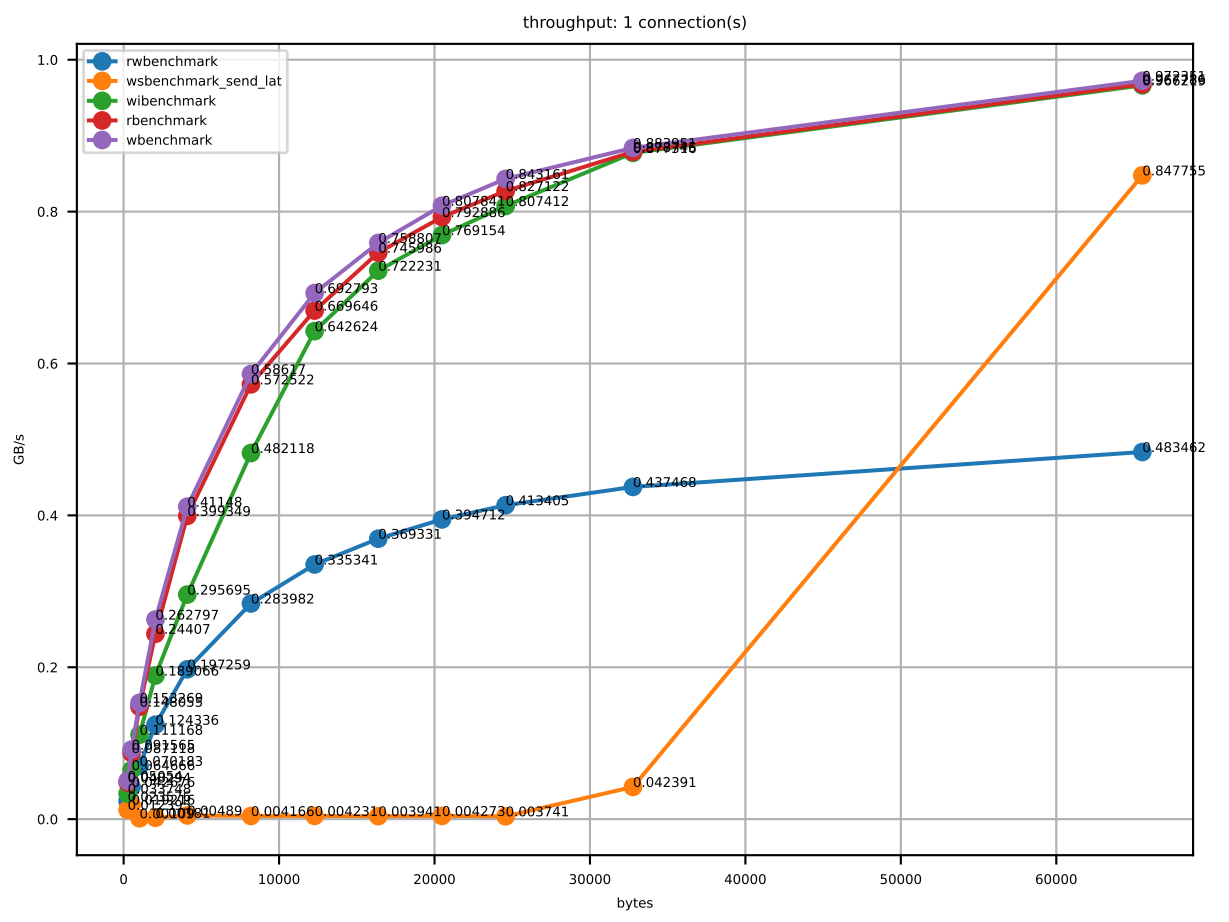

throughput: 8192B message
GB/s
connections
rwbenchmark
wsbenchmark
wibenchmark
rbenchmark
wbenchmark
wsbenchmark_send_lat

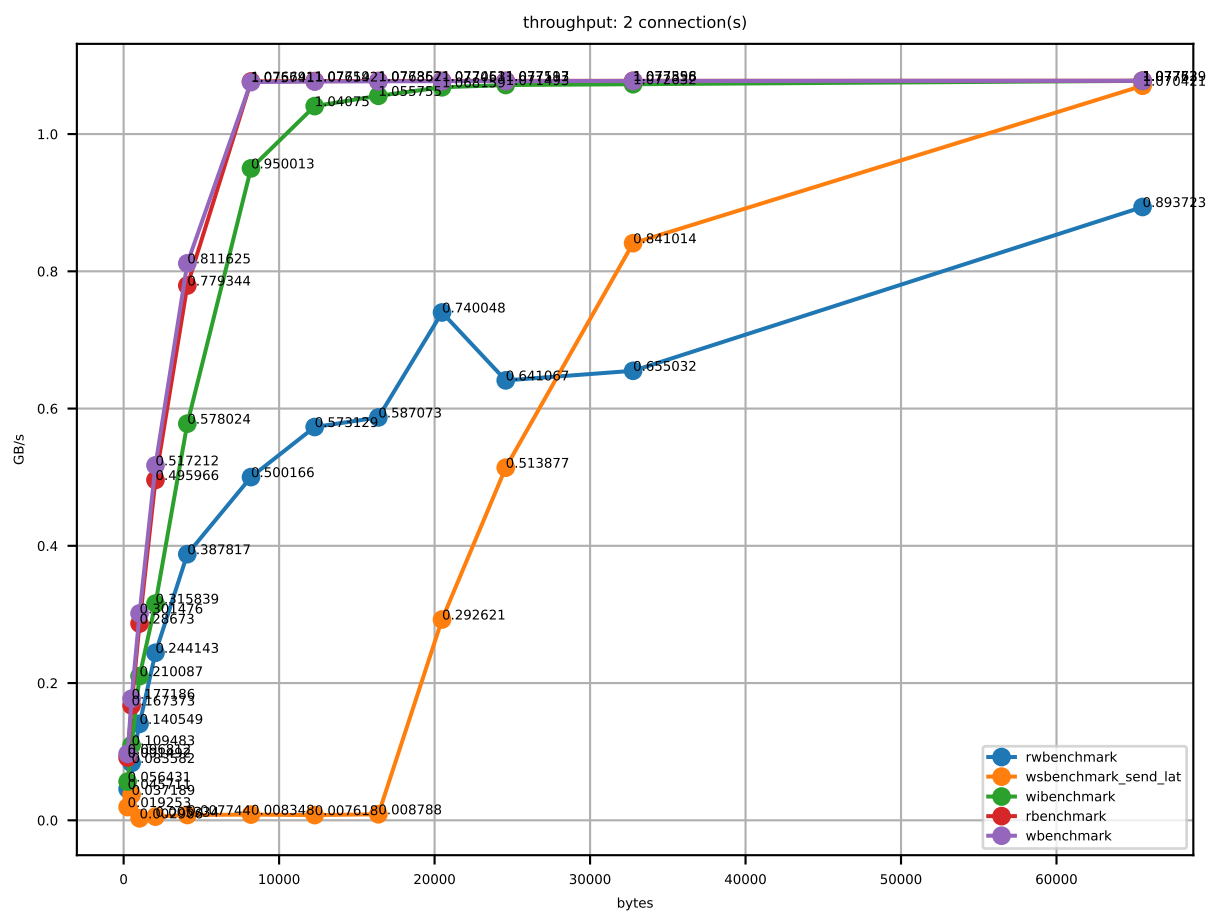

avg. latency: 8192B message
1e6
ns
connections

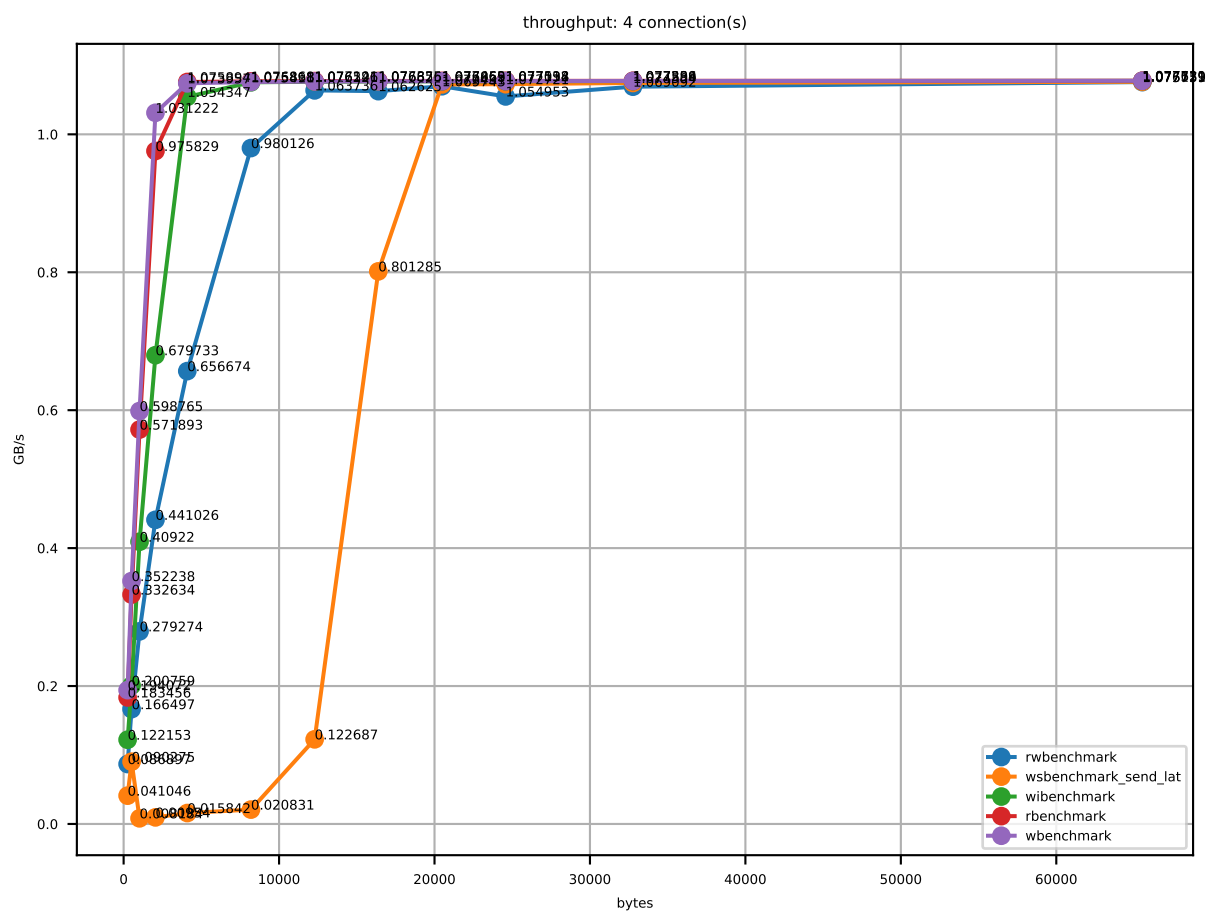

avg. jitter: 8192B message
1e6
ns
connections

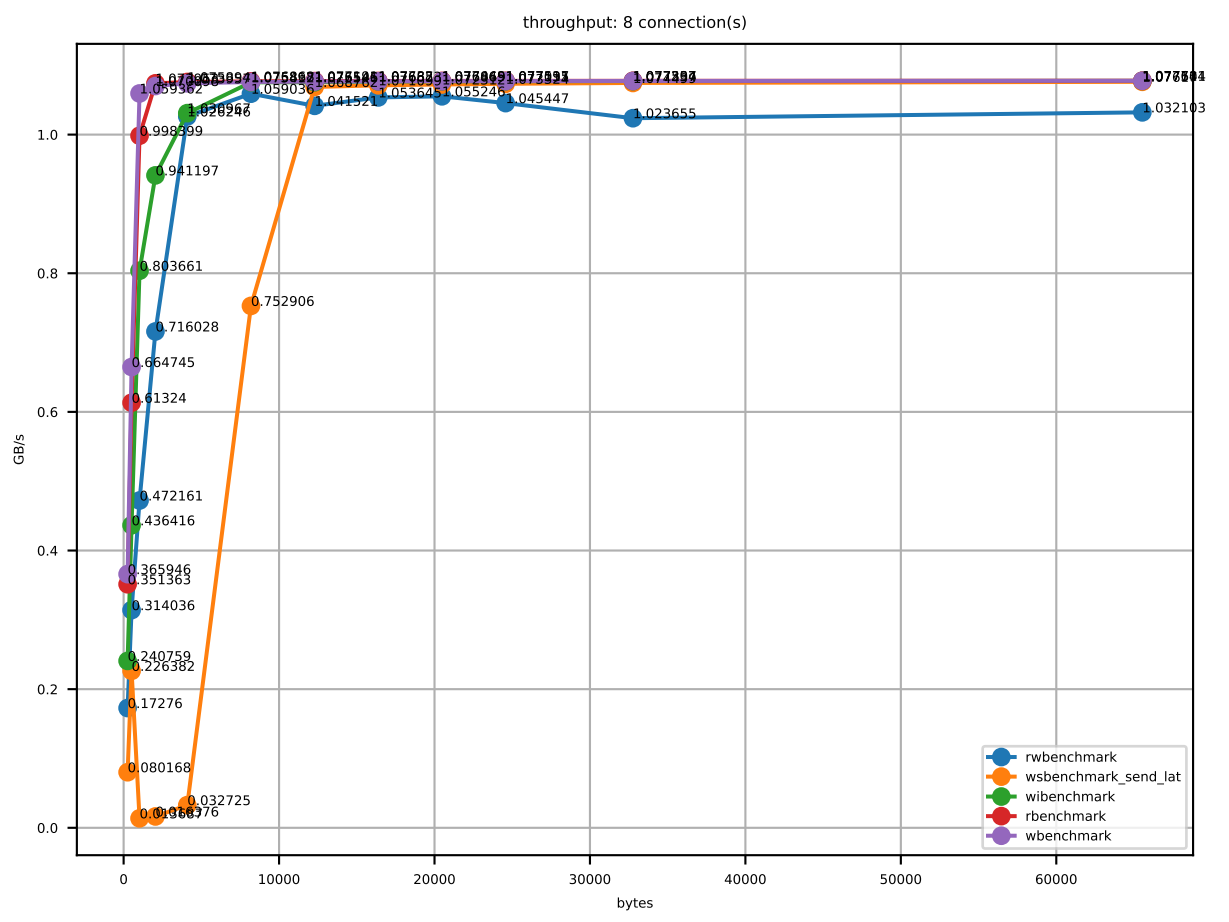


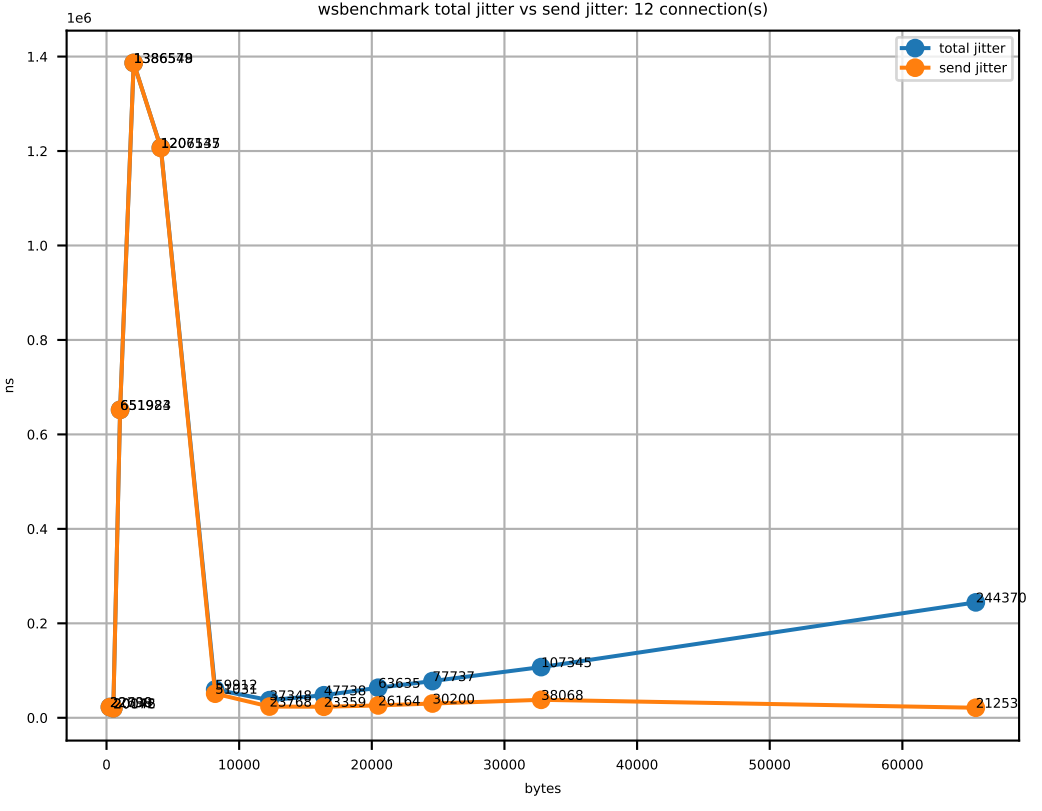
throughput: 12 connection(s)
GB/s
bytes
0.0
0.2
0.4
0.6
0.8
1.0
0
10000
20000
30000
40000
50000
60000
rwbenchmark
wsbenchmark_send_lat
wibenchmark
rbenchmark
wbenchmark
1.036529
1.049878
1.062498
1.06298
1.0588641
1.055105
1.057237
1.056956
1.05849
0.971573
0.953974
0.941488
0.90605
0.888931
0.837582
0.713306
0.608144
0.537795
0.52137
0.431238
0.364342
0.26508
0.255313
0.127293
0.069775


throughput: 1 connection(s)
rwbenchmark
wsbenchmark_send_lat
wibenchmark
rbenchmark
wbenchmark
GB/s
bytes
1.0
0.8
0.6
0.4
0.2
0.0
0
10000
20000
30000
40000
50000
60000
0.847755
0.483462
0.437468
0.413405
0.394712
0.369331
0.335341
0.283982
0.197259
0.042391
0.843161
0.827122
0.807841
0.807412
0.792886
0.769154
0.722231
0.692793
0.669646
0.642624
0.588617
0.572522
0.482118
0.41148
0.399349
0.295695
0.262797
0.24407
0.189066
0.124336
0.111168
0.0041660.0042310.0039410.0042730.003741

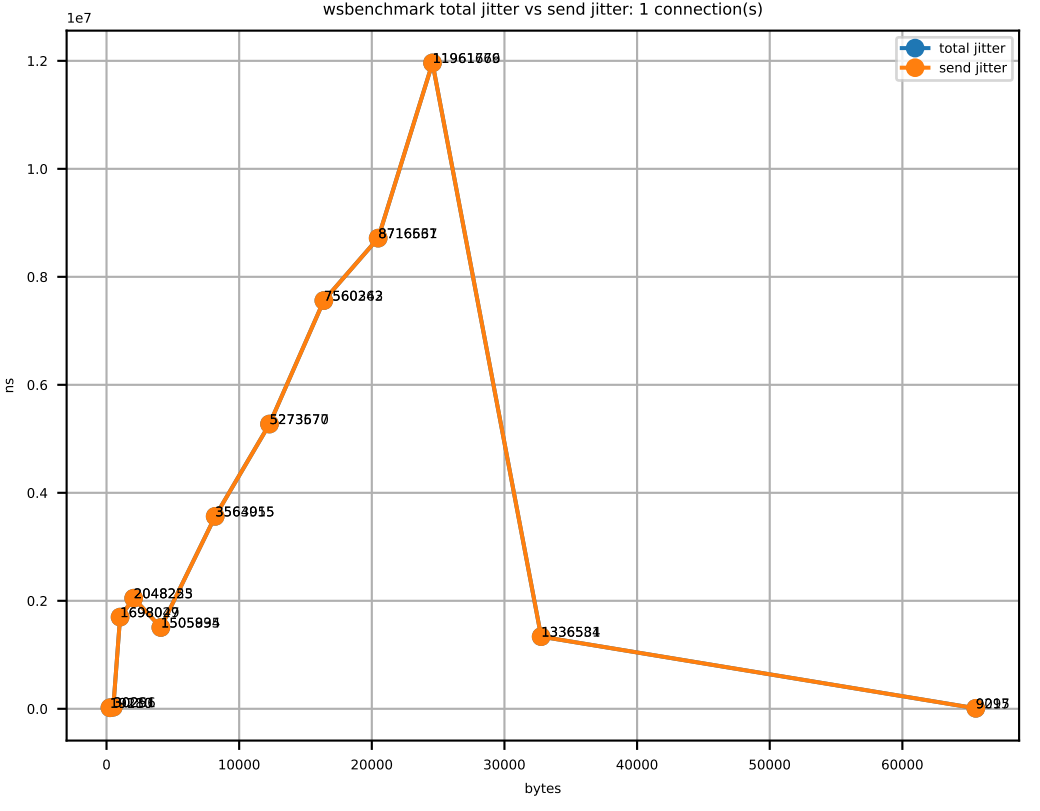

throughput: 2 connection(s)
GB/s
bytes
rwbenchmark
wsbenchmark_send_lat
wibenchmark
rbenchmark
wbenchmark

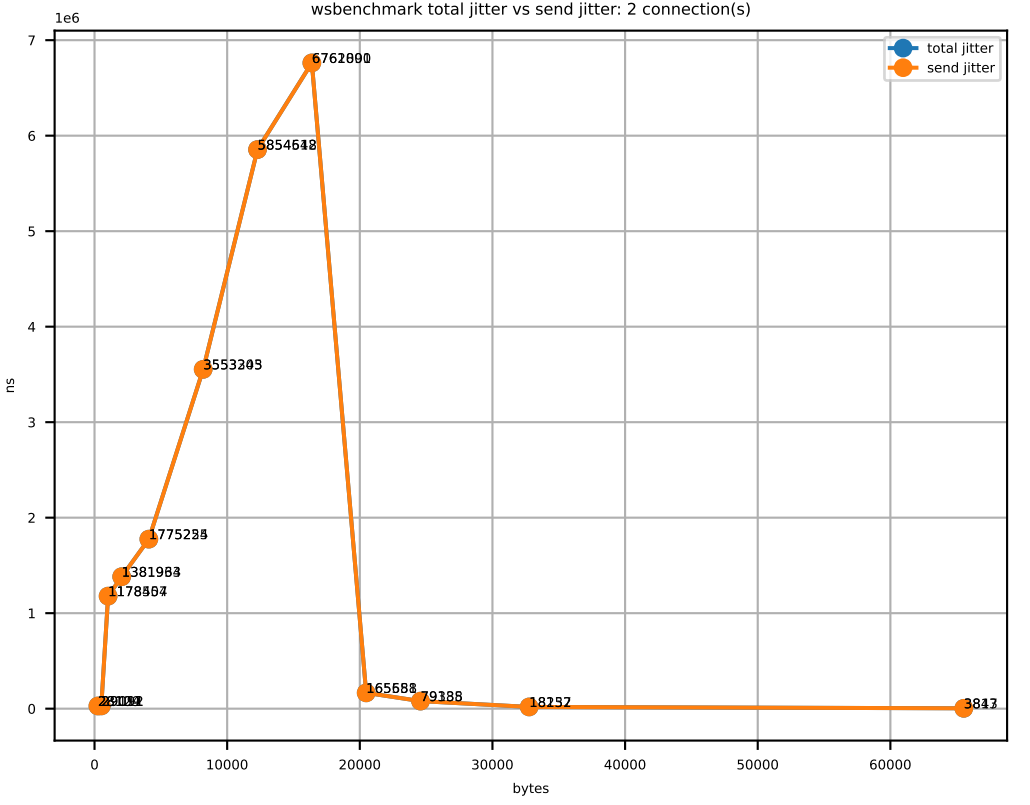

throughput: 4 connection(s)
GB/s
bytes
rwbenchmark
wsbenchmark_send_lat
wibenchmark
rbenchmark
wbenchmark
0.0
0.2
0.4
0.6
0.8
1.0
0
10000
20000
30000
40000
50000
60000
0.980126
0.801285
0.679733
0.656674
0.598765
0.571893
0.441026
0.40922
0.352238
0.332634
0.279274
0.200759
0.183456
0.166497
0.122153
0.122687
0.041046
0.020831
0.158420
1.054347
1.031222
0.975829
1.054953

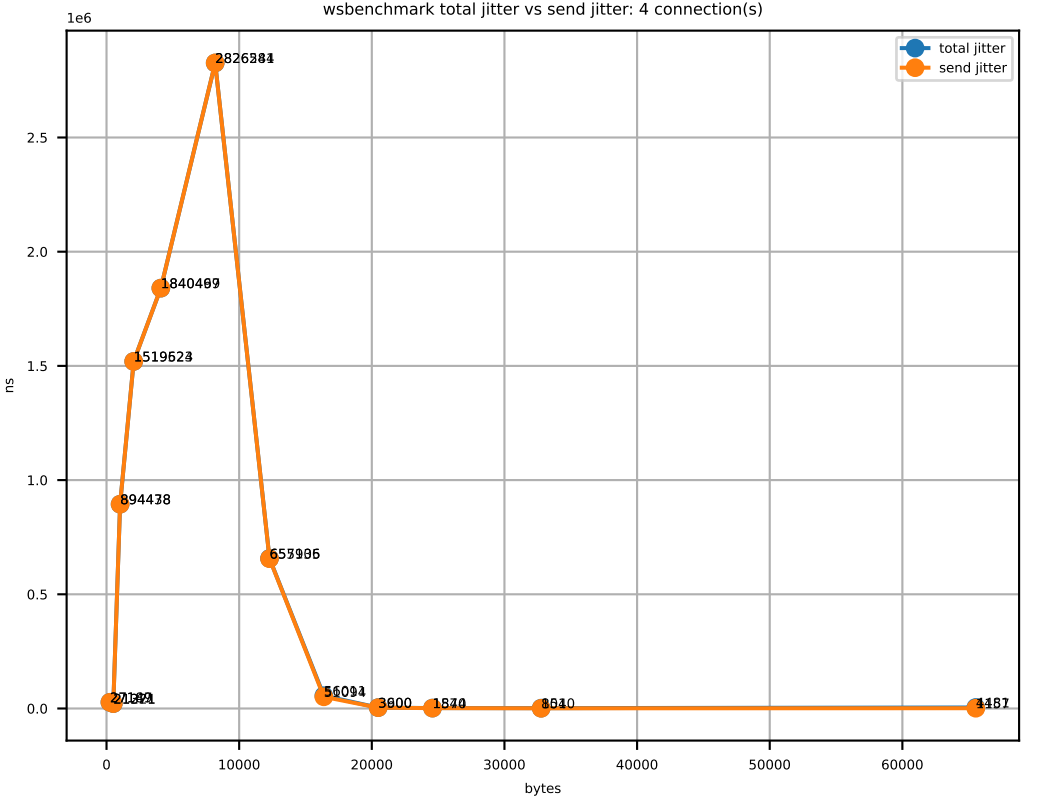

throughput: 8 connection(s)
GB/s
bytes
0.0
0.2
0.4
0.6
0.8
1.0
0
10000
20000
30000
40000
50000
60000
rwbenchmark
wsbenchmark_send_lat
wibenchmark
rbenchmark
wbenchmark
1.059962
0.998399
0.941197
0.803661
0.716028
0.664745
0.61324
0.472161
0.436416
0.365946
0.351363
0.314036
0.240759
0.226382
0.17276
0.080168
0.032725
1.059036
1.041521
1.053645
1.055246
1.045447
1.023655
1.032103
0.752906

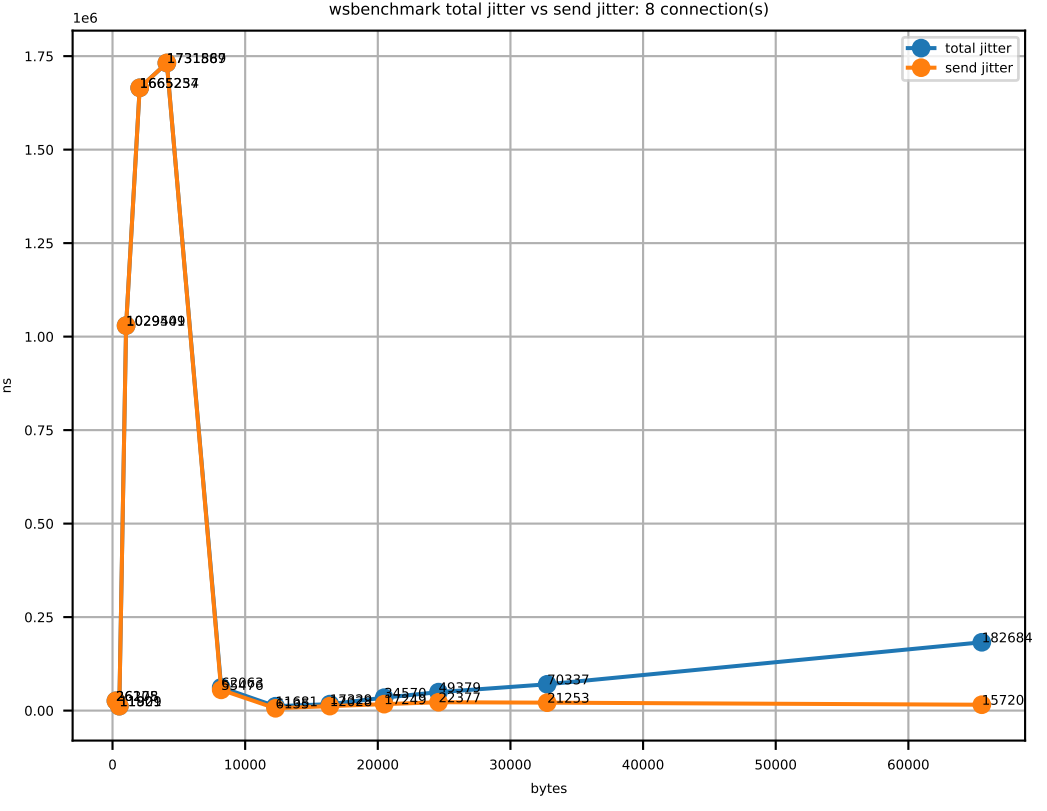


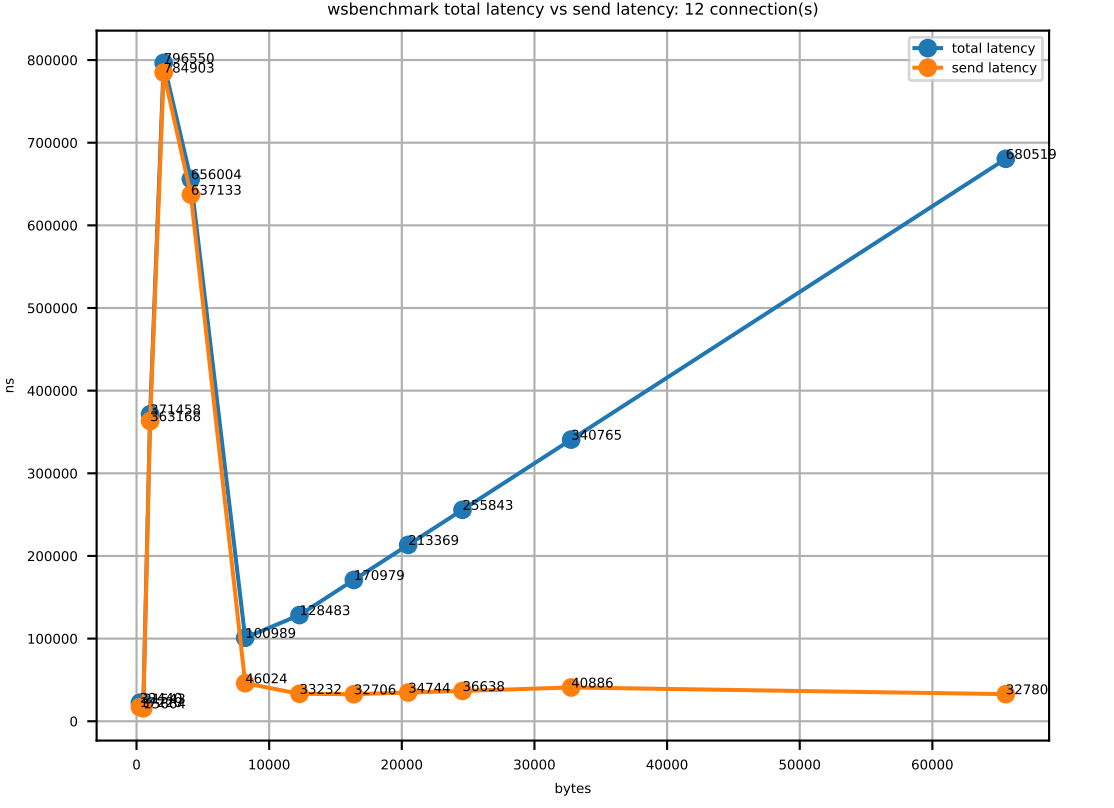
wsbenchmark total jitter vs send jitter: 12 connection(s)
1e6
ns
bytes
total jitter
send jitter
1386549
1206137
651983
59812
51031
37348
23768
47738
23359
63635
26164
77737
30200
107345
38068
244370
21253

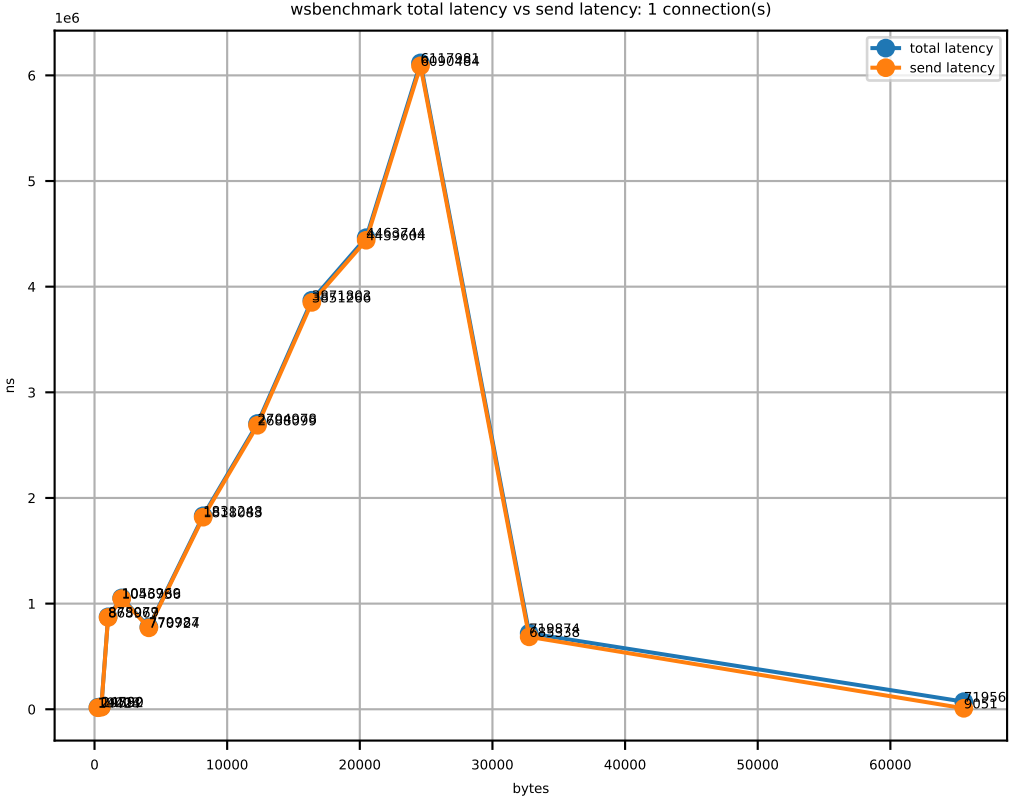

wsbenchmark total jitter vs send jitter: 1 connection(s)
1e7
total jitter
send jitter
ns
bytes
0.0
0.2
0.4
0.6
0.8
1.0
1.2
0
10000
20000
30000
40000
50000
60000

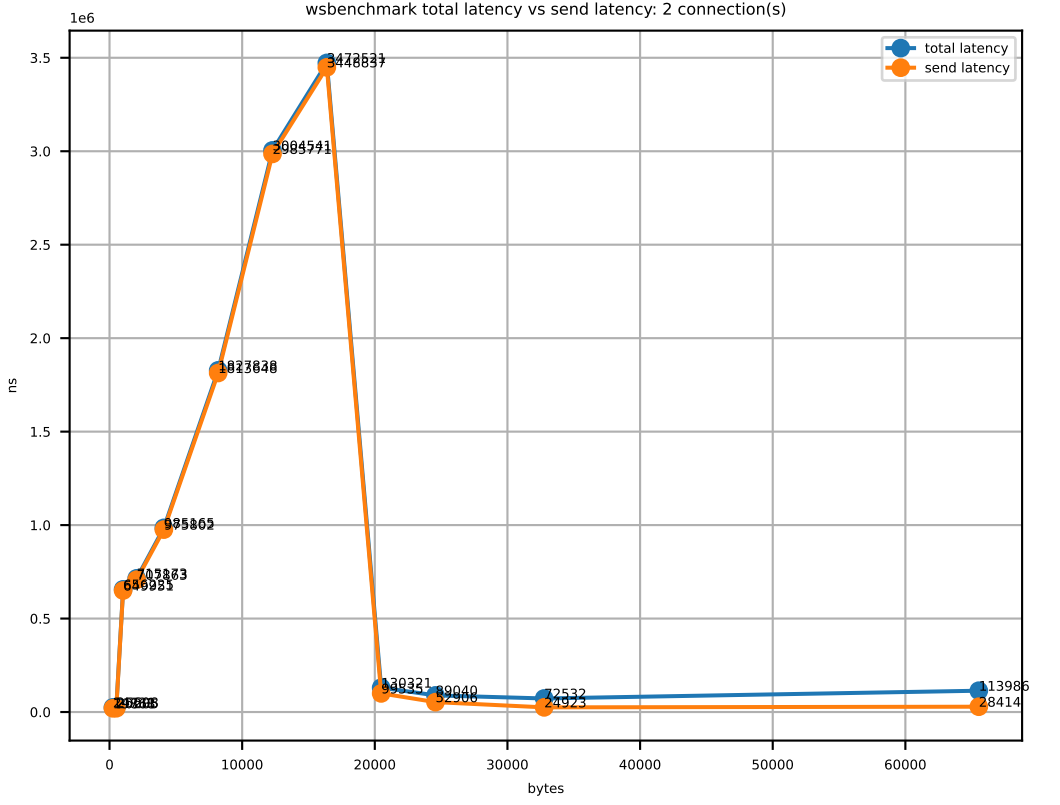

wsbenchmark total jitter vs send jitter: 2 connection(s)
1e6
total jitter
send jitter
ns
bytes
0
1
2
3
4
5
6
7
0
10000
20000
30000
40000
50000
60000

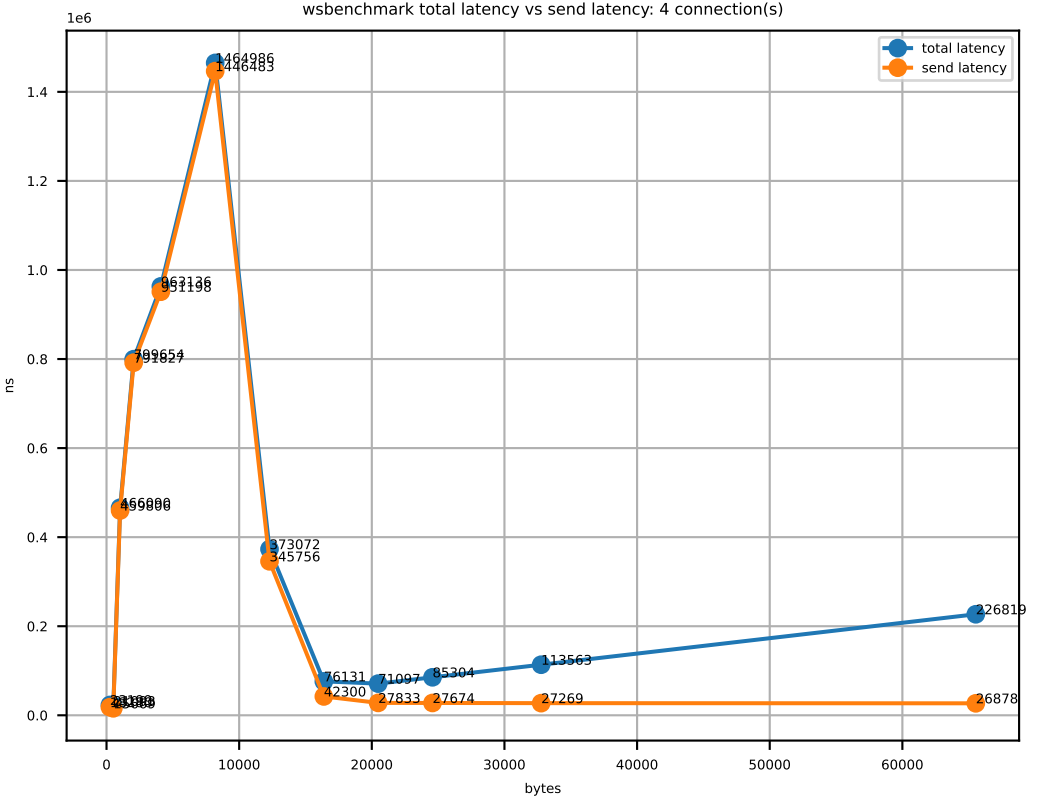

wsbenchmark total jitter vs send jitter: 4 connection(s)
1e6
total jitter
send jitter
ns
bytes
0.0
0.5
1.0
1.5
2.0
2.5
0
10000
20000
30000
40000
50000
60000

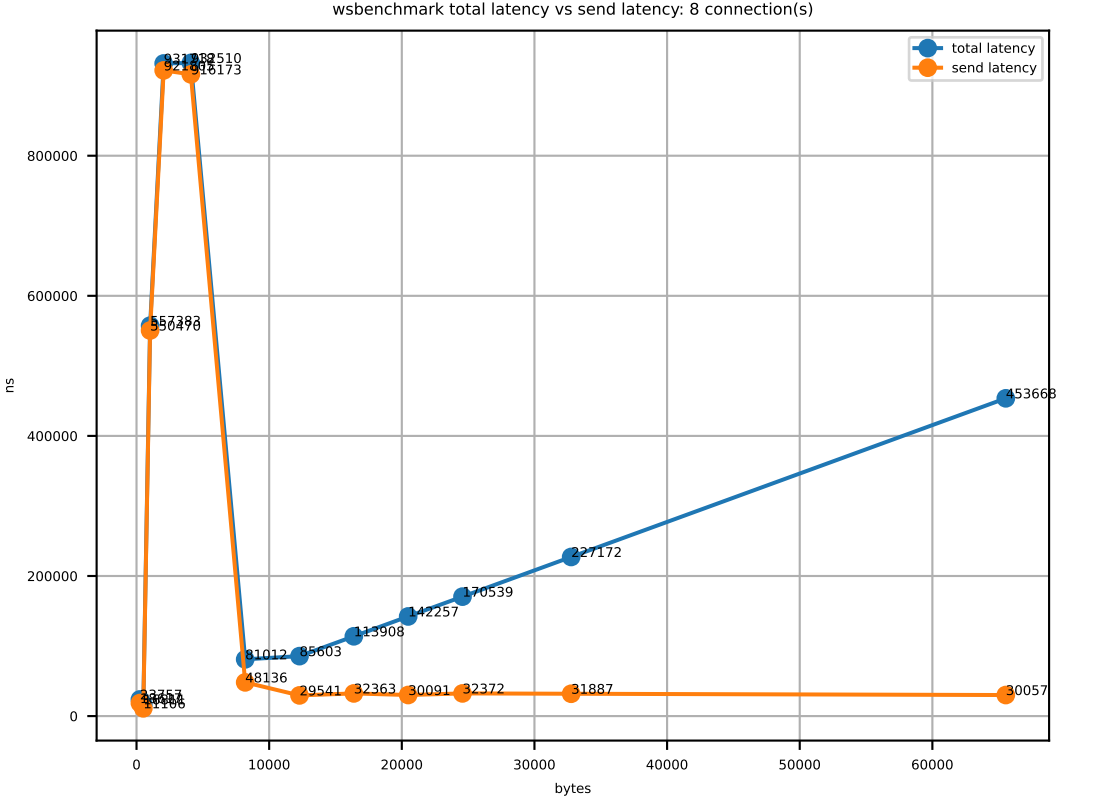

wsbenchmark total jitter vs send jitter: 8 connection(s)
1e6
total jitter
send jitter
ns
bytes
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
0
10000
20000
30000
40000
50000
60000
182684
70337
49379
22377
21253
15720


wsbenchmark total latency vs send latency: 12 connection(s)
total latency
send latency
ns
bytes
800000
700000
600000
500000
400000
300000
200000
100000
0
0
10000
20000
30000
40000
50000
60000
796550
784903
656004
637133
680519
371458
363168
340765
255843
213369
170979
128483
100989
46024
33232
32706
34744
36638
40886
32780


wsbenchmark total latency vs send latency: 1 connection(s)
1e6
total latency
send latency
ns
bytes
0
1
2
3
4
5
6
0
10000
20000
30000
40000
50000
60000


wsbenchmark total latency vs send latency: 2 connection(s)
1e6
ns
bytes
total latency
send latency
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0
10000
20000
30000
40000
50000
60000
3472521
3448837
3004541
2983771
1827828
1813648
975165
975802
705873
649931
130321
99335
89040
52906
72532
24923
113986
28414


wsbenchmark total latency vs send latency: 4 connection(s)
1e6
total latency
send latency
ns
bytes
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
10000
20000
30000
40000
50000
60000
1464986
1446483
963136
951198
789654
781827
466000
459000
373072
345756
76131
71097
85304
113563
42300
27833
27674
27269
226819
26878


wsbenchmark total latency vs send latency: 8 connection(s)
total latency
send latency
ns
bytes
0
200000
400000
600000
800000
0
10000
20000
30000
40000
50000
60000
453668
227172
170539
142257
113908
85603
81012
48136
29541
32363
30091
32372
31887
30057
557393
550470