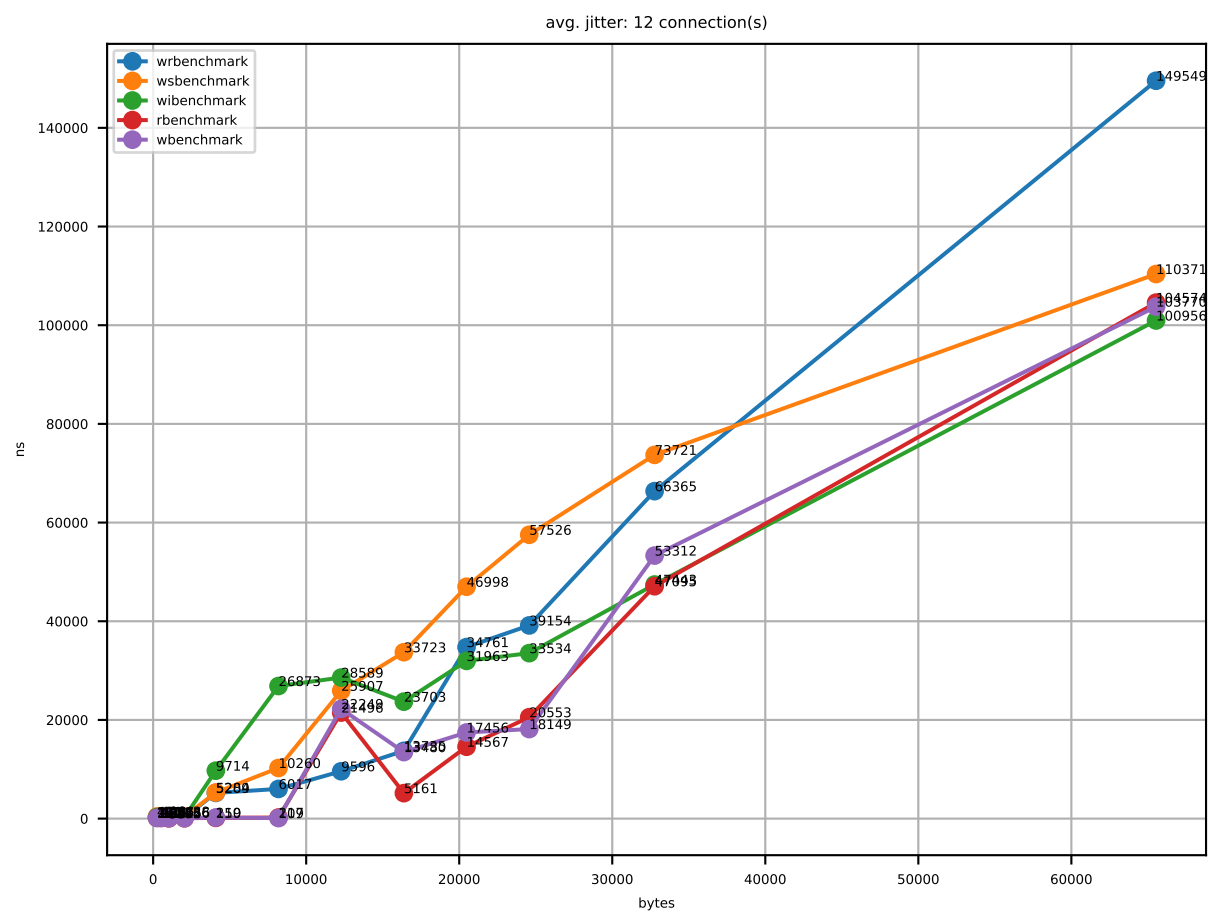
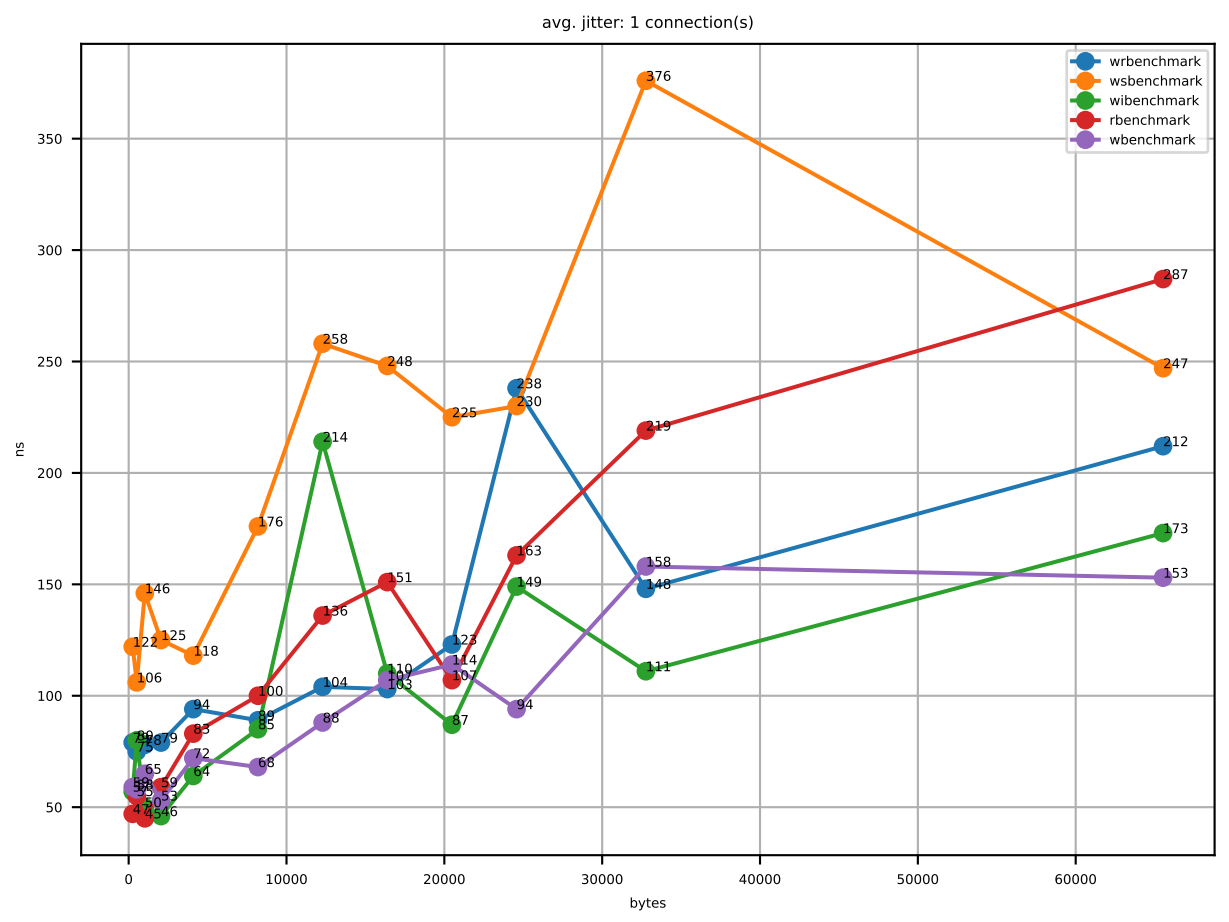
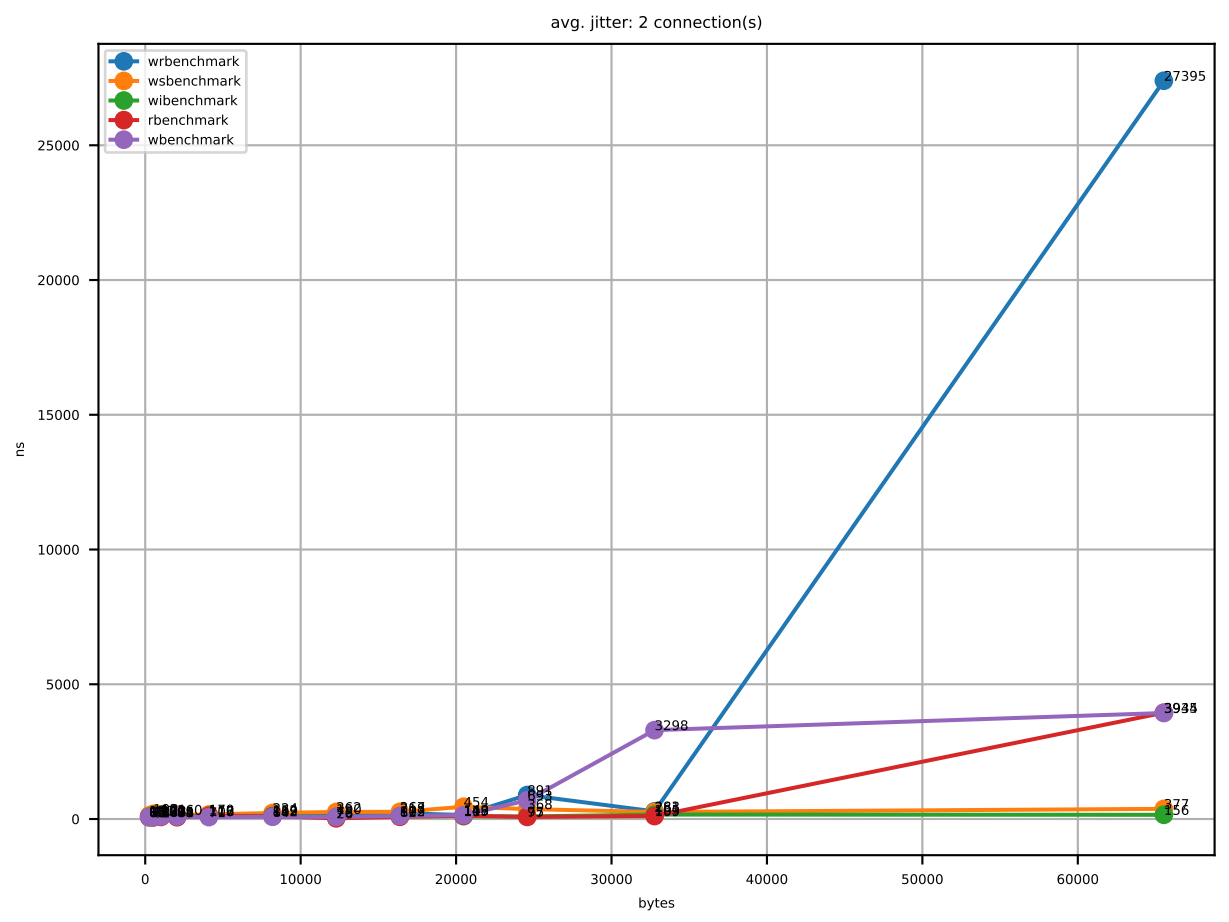
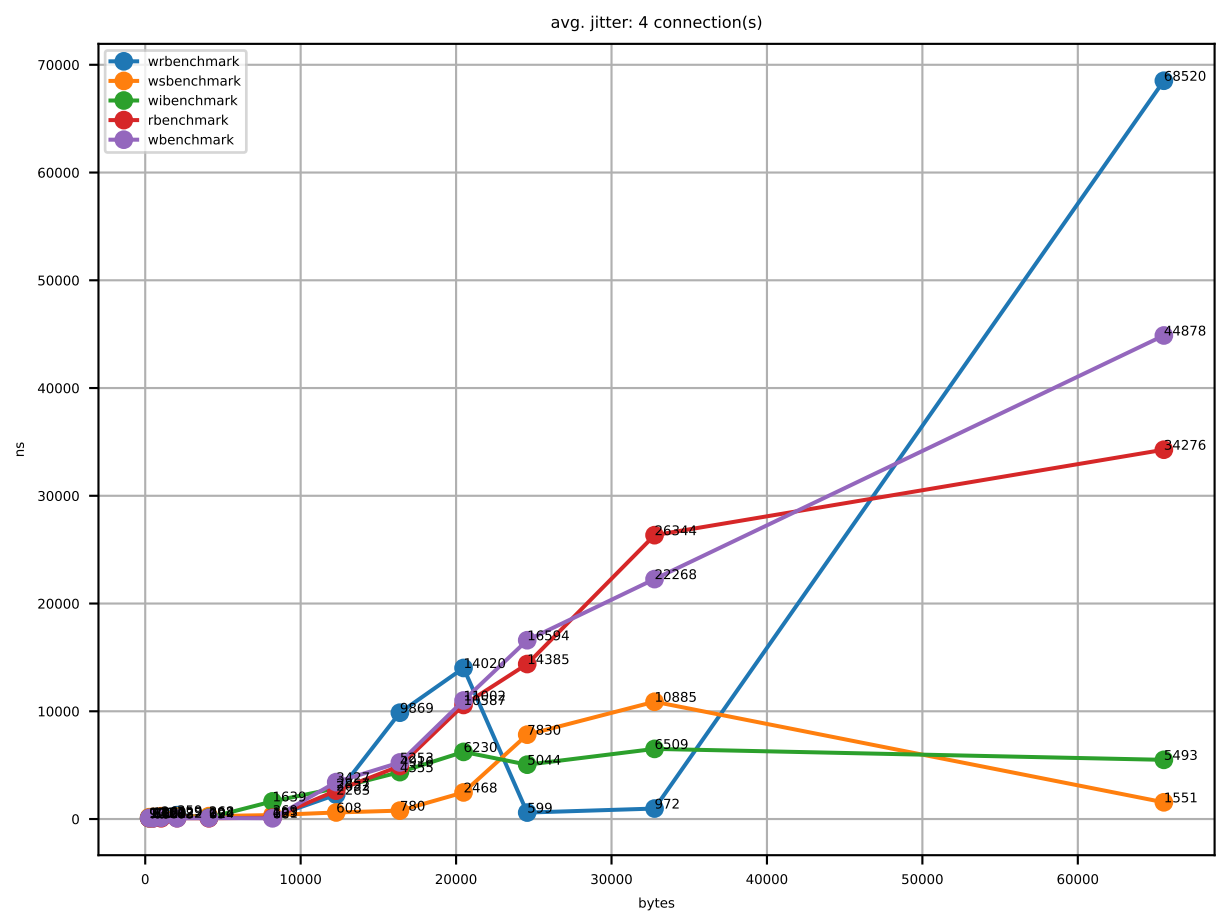
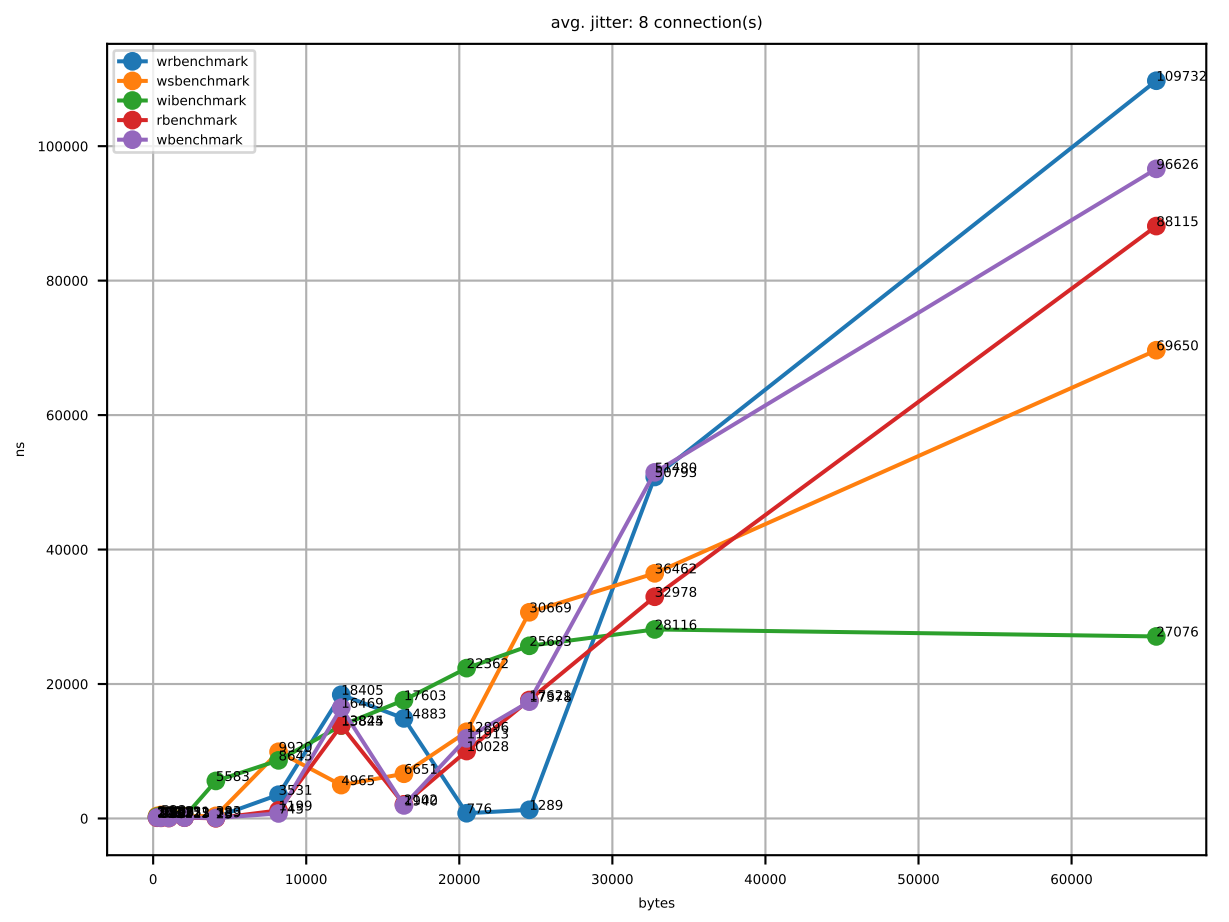
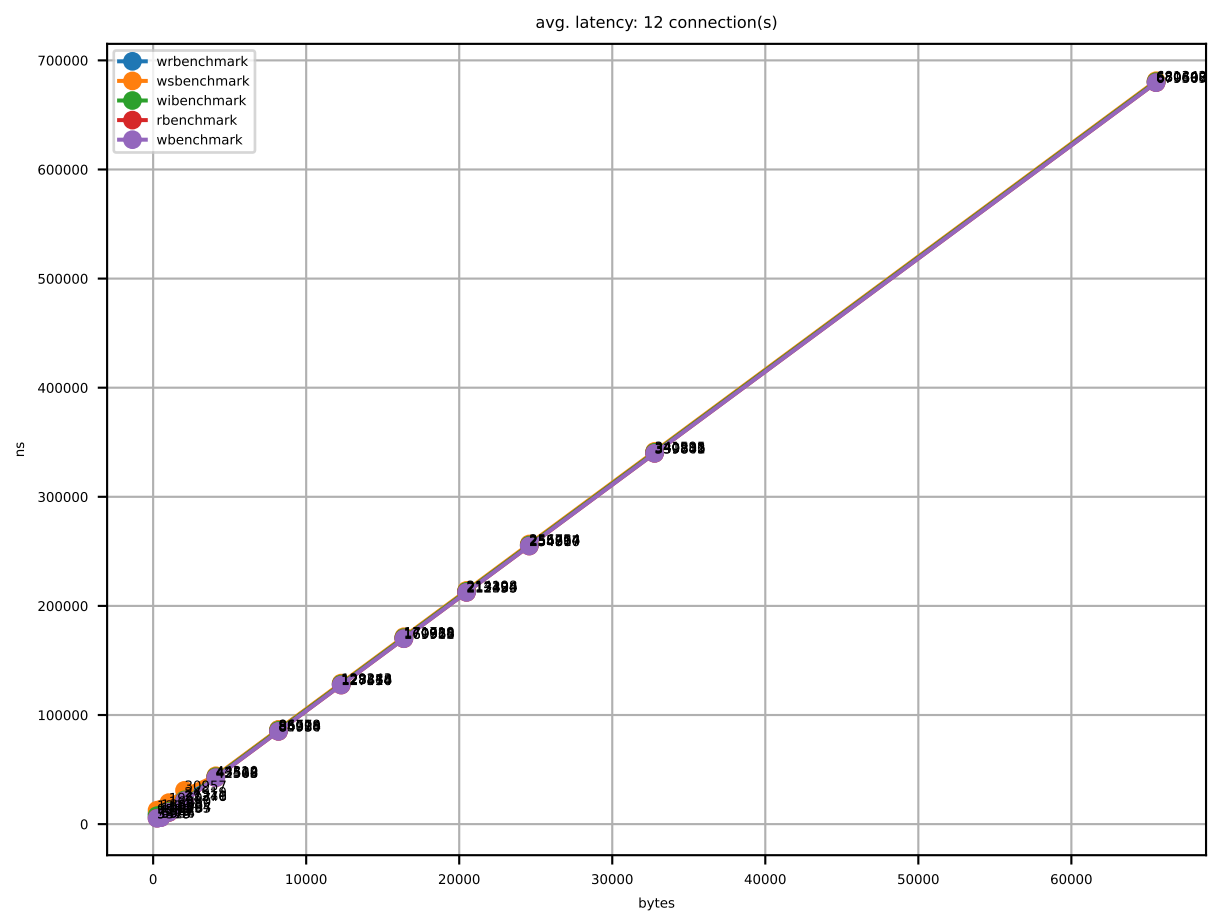

avg. jitter: 12 connection(s)
wrbenchmark
wsbenchmark
wibenchmark
rbenchmark
wbenchmark
ns
bytes
0
20000
40000
60000
80000
100000
120000
140000
0
10000
20000
30000
40000
50000
60000
149549
110371
100956
73721
66365
57526
53312
46998
39154
34761
33723
33534
31963
28589
26873
25907
23703
20553
18149
17456
14567
13780
10260
9714
9596
6017
5161

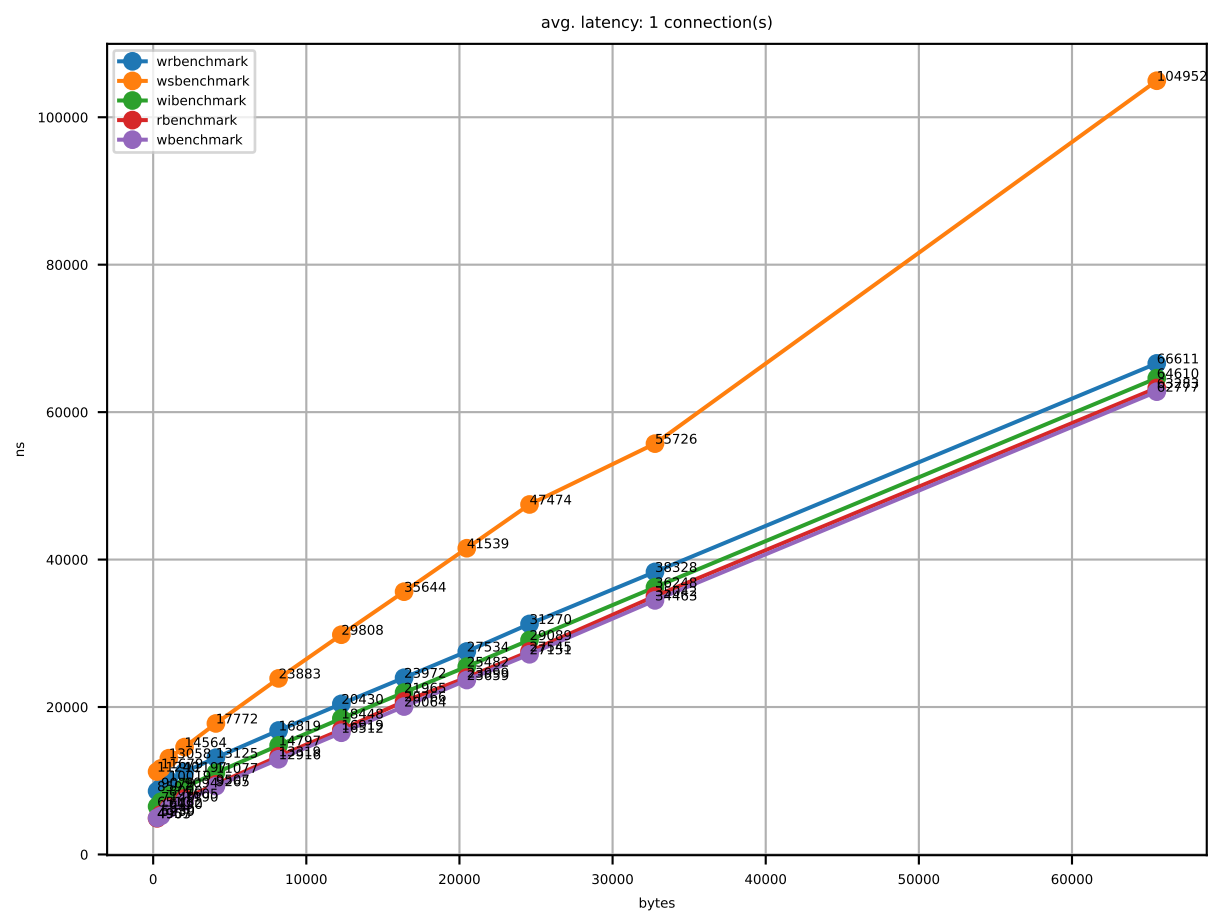

avg. jitter: 1 connection(s)
wrbenchmark
wsbenchmark
wibenchmark
rbenchmark
wbenchmark
ns
bytes
0
10000
20000
30000
40000
50000
60000
50
100
150
200
250
300
350

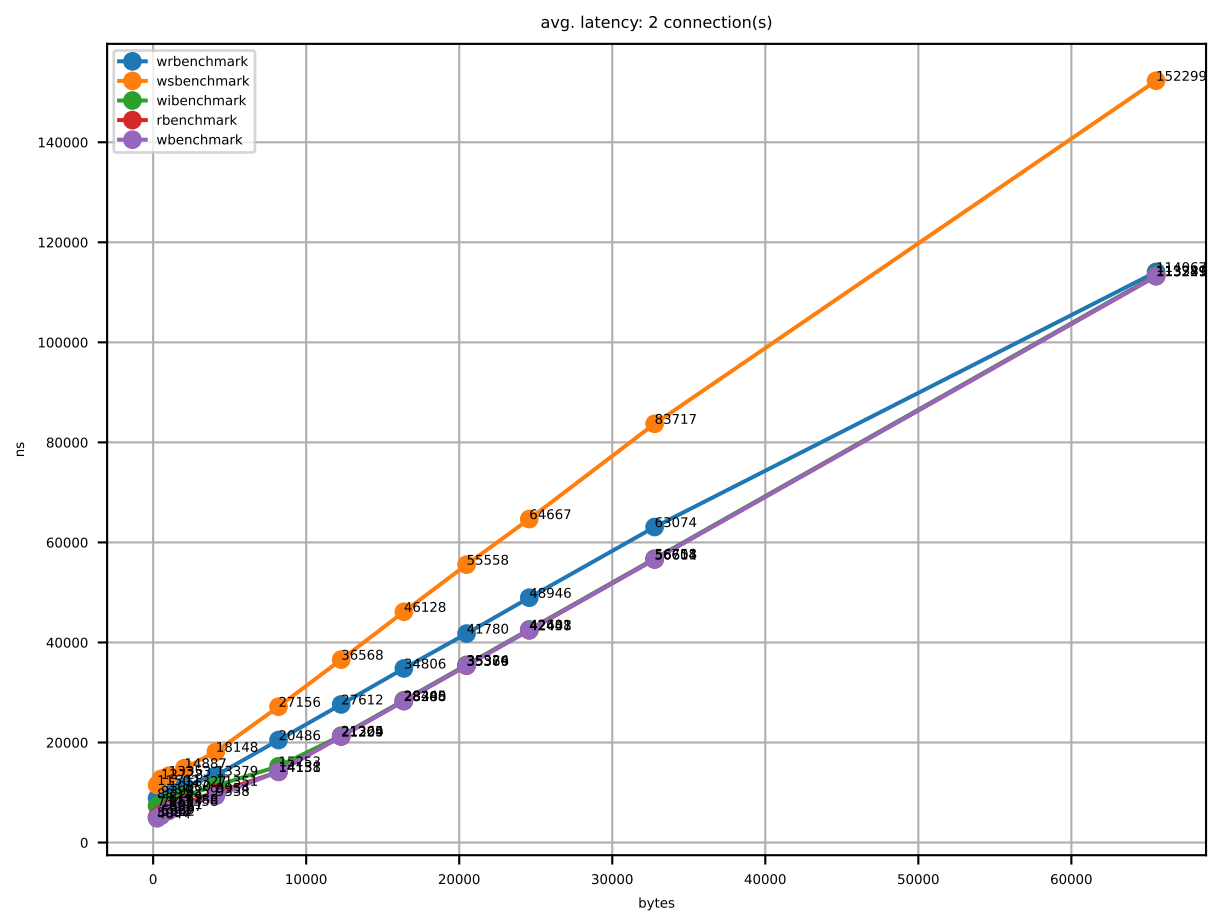

avg. jitter: 2 connection(s)
wrbenchmark
wsbenchmark
wibenchmark
rbenchmark
wbenchmark
ns
bytes
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000
27395
3298
3935
377
156

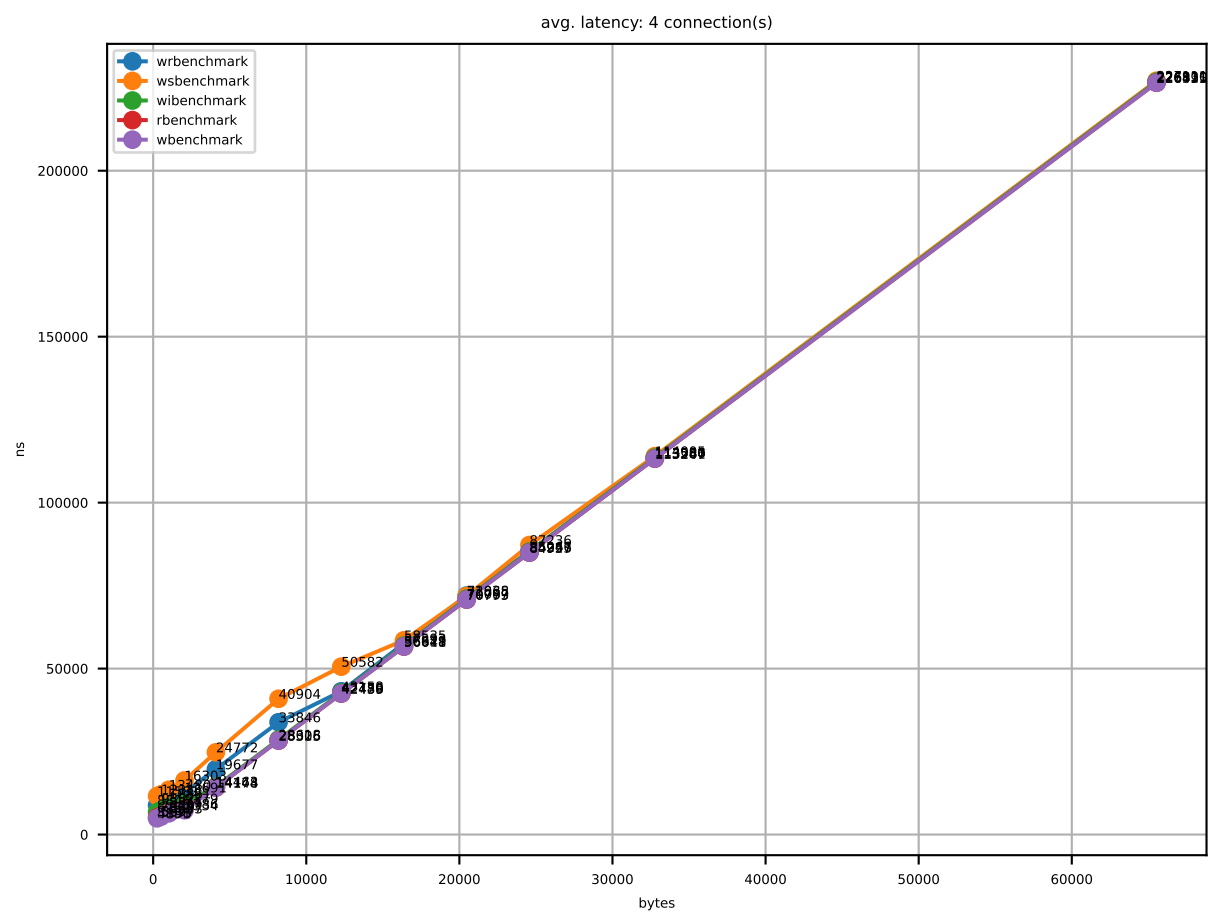

avg. jitter: 4 connection(s)
wrbenchmark
wsbenchmark
wibenchmark
rbenchmark
wbenchmark
ns
bytes
0
10000
20000
30000
40000
50000
60000
70000
68520
44878
34276
26344
22268
16584
14385
14020
11087
10587
10885
9869
7830
6509
6230
5493
5044
2468
1639
1551
972
780
608
599

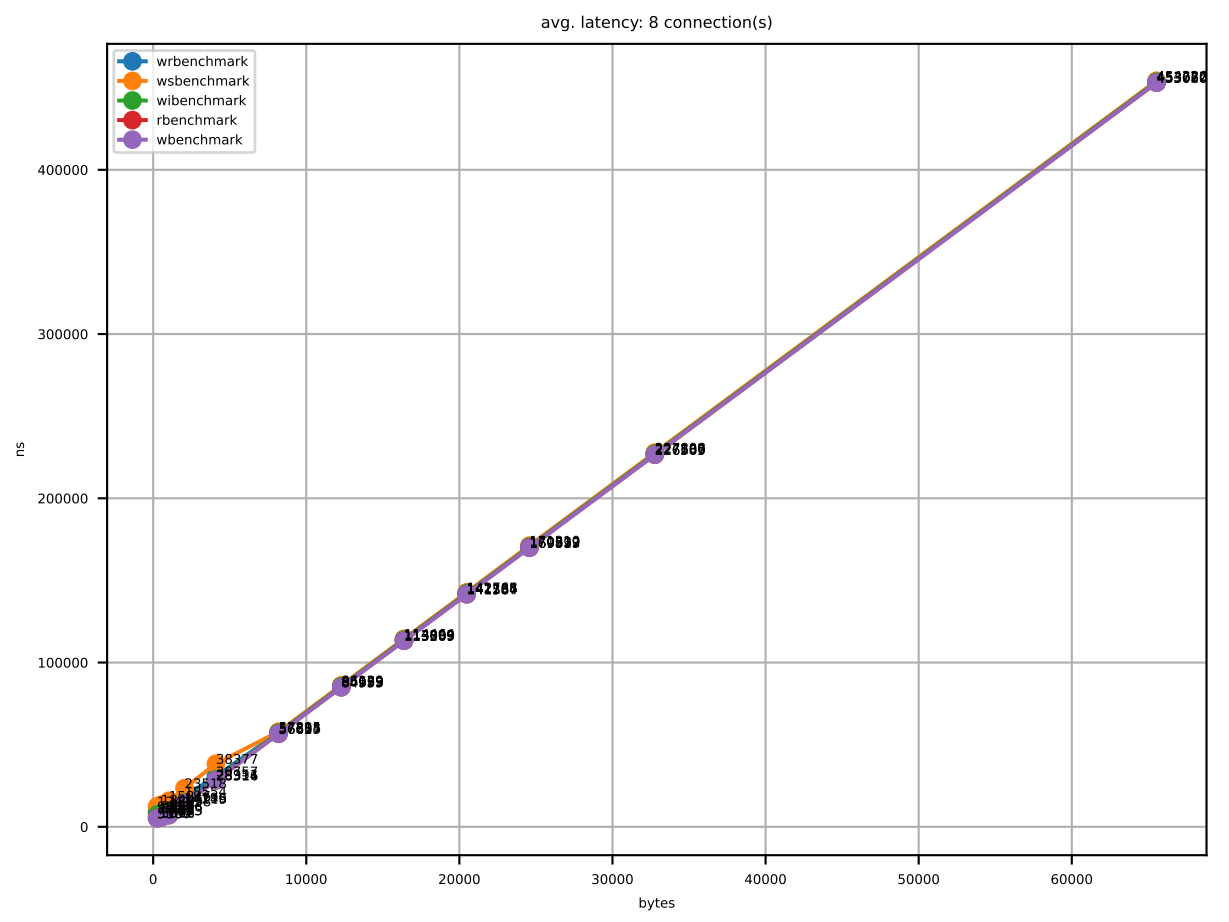

avg. jitter: 8 connection(s)
wrbenchmark
wsbenchmark
wibenchmark
rbenchmark
wbenchmark
ns
bytes
0
20000
40000
60000
80000
100000
0
10000
20000
30000
40000
50000
60000
109732
96626
88115
69650
27076
36462
32978
28116
30669
25683
22362
18405
16469
17603
14883
12896
11913
10028
9920
8643
5583
4965
6651
3531
1199
776
1289

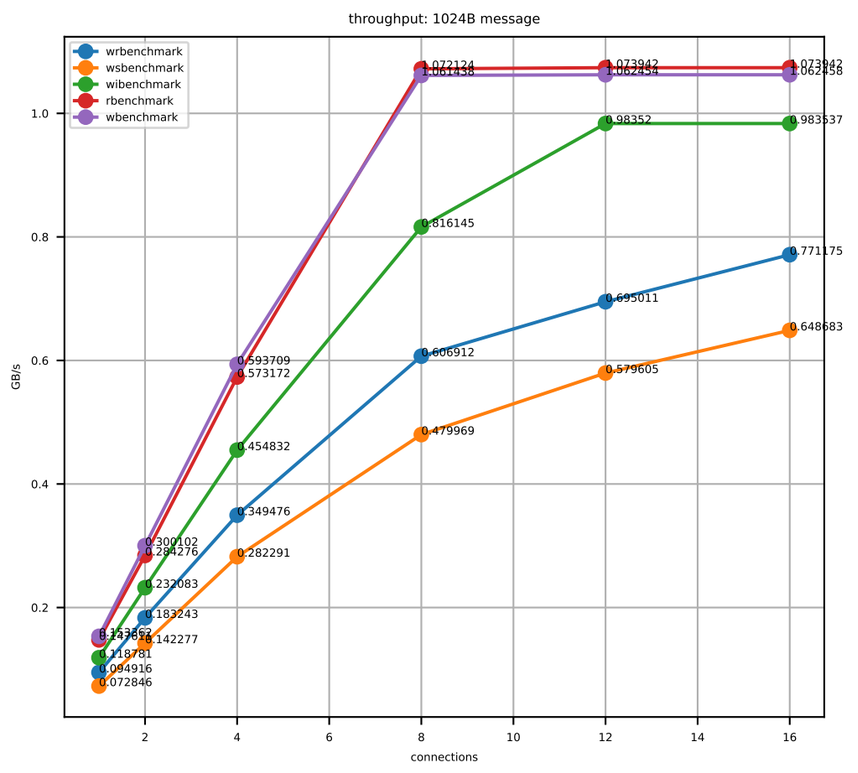

avg. latency: 12 connection(s)
wrbenchmark
wsbenchmark
wibenchmark
rbenchmark
wbenchmark
ns
bytes
0
100000
200000
300000
400000
500000
600000
700000
0
10000
20000
30000
40000
50000
60000

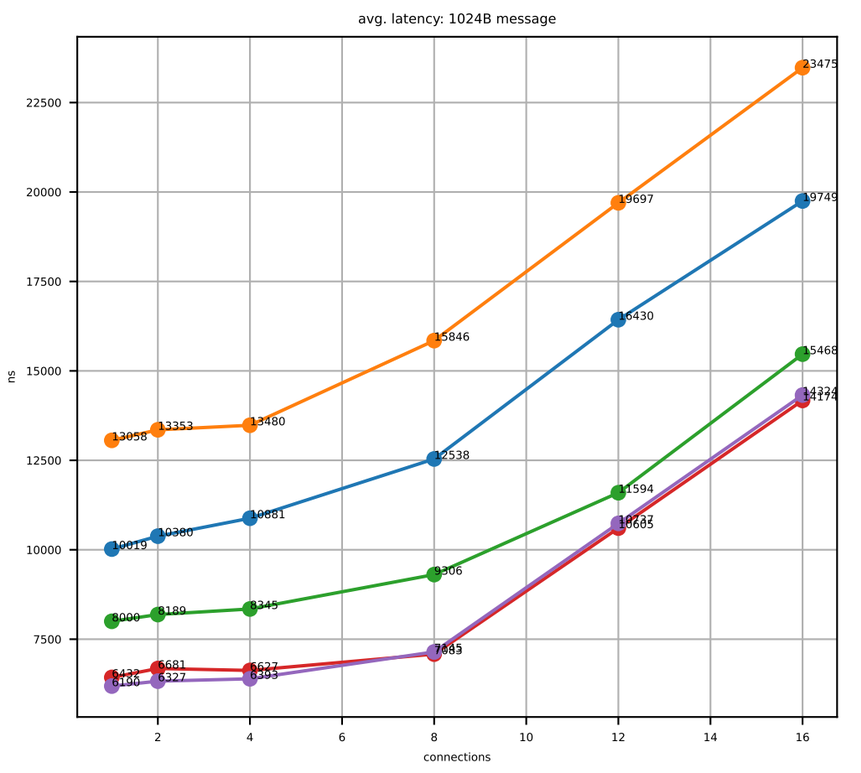

avg. latency: 1 connection(s)
wrbenchmark
wsbenchmark
wibenchmark
rbenchmark
wbenchmark
ns
bytes
0
20000
40000
60000
80000
100000
0
10000
20000
30000
40000
50000
60000
104952
66611
64610
55726
47474
41539
38328
35644
31270
29808
27534
23883
23972
20430
17772
16819
14564
13125

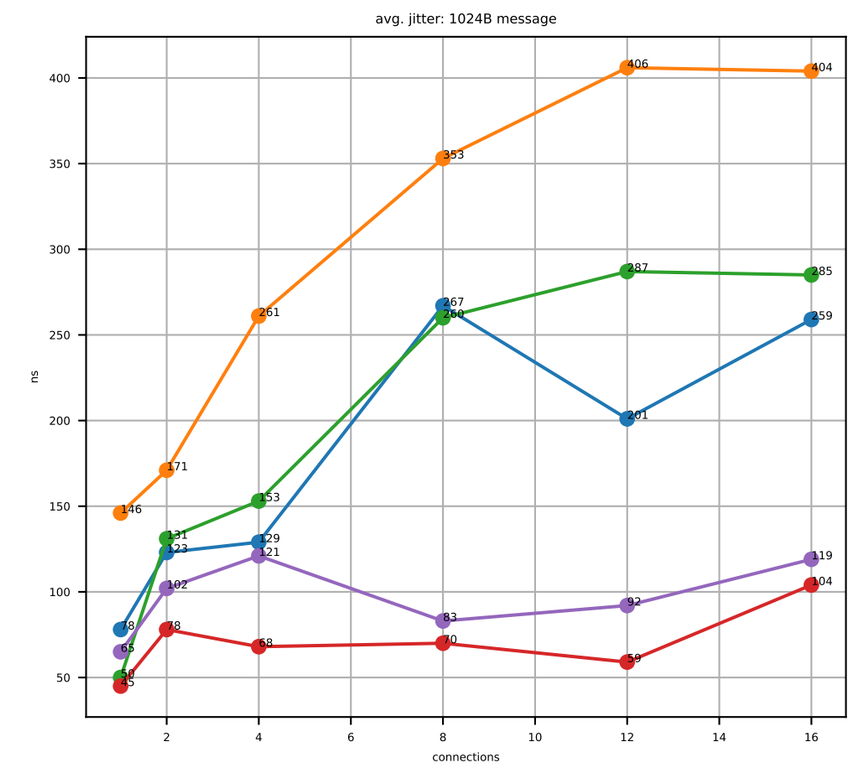

avg. latency: 2 connection(s)
wrbenchmark
wsbenchmark
wibenchmark
rbenchmark
wbenchmark
ns
bytes
0
20000
40000
60000
80000
100000
120000
140000
10000
30000
50000
152299
83717
64667
63074
55558
48946
46128
41780
36568
34806
27612
27156
20486
18148

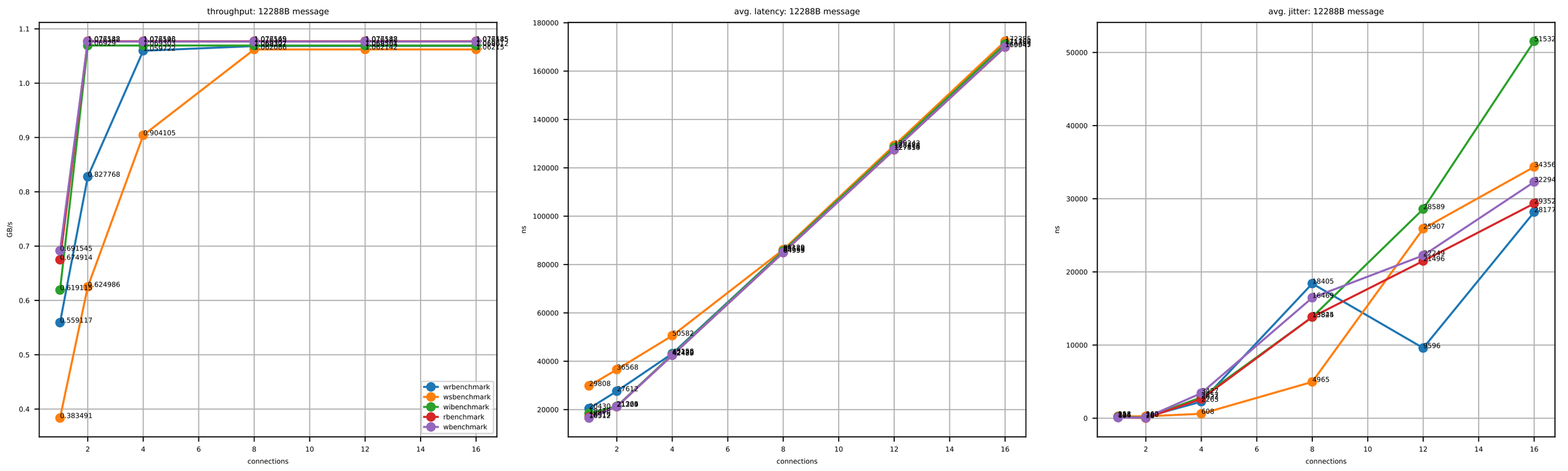

avg. latency: 4 connection(s)
wrbenchmark
wsbenchmark
wibenchmark
rbenchmark
wbenchmark
ns
bytes
0
50000
100000
150000
200000
0
10000
20000
30000
40000
50000
60000
50582
40904
33846
24772
19677
16203

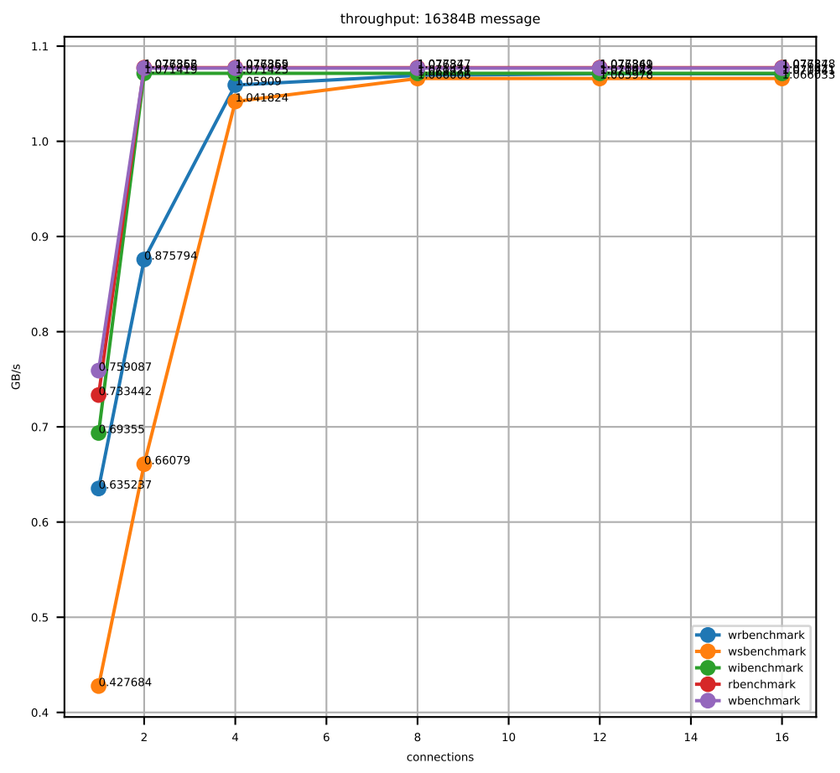

avg. latency: 8 connection(s)
wrbenchmark
wsbenchmark
wibenchmark
rbenchmark
wbenchmark
ns
bytes
0
100000
200000
300000
400000
10000
20000
30000
40000
50000
60000

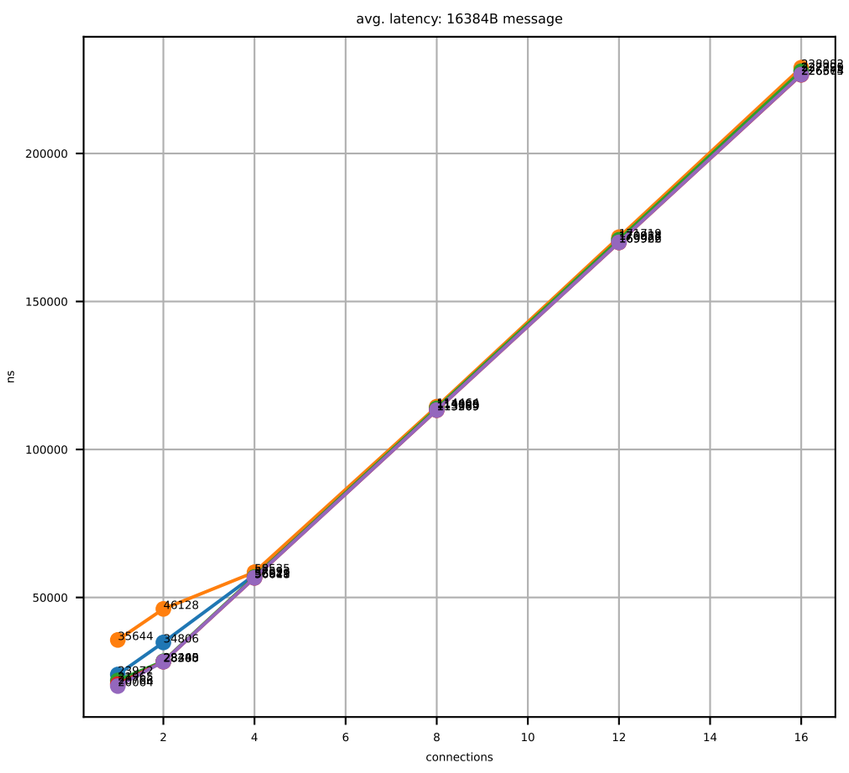

throughput: 1024B message
wrbenchmark
wsbenchmark
wibenchmark
rbenchmark
wbenchmark
GB/s
connections
1.0
0.8
0.6
0.4
0.2
2
4
6
8
10
12
14
16
1.072124
1.073942
1.061438
1.062458
0.98352
0.983537
0.816145
0.771175
0.695011
0.606912
0.593709
0.573172
0.579605
0.479969
0.454832
0.349476
0.300102
0.284276
0.282291
0.232083
0.183243
0.142277
0.118781
0.094916
0.072846

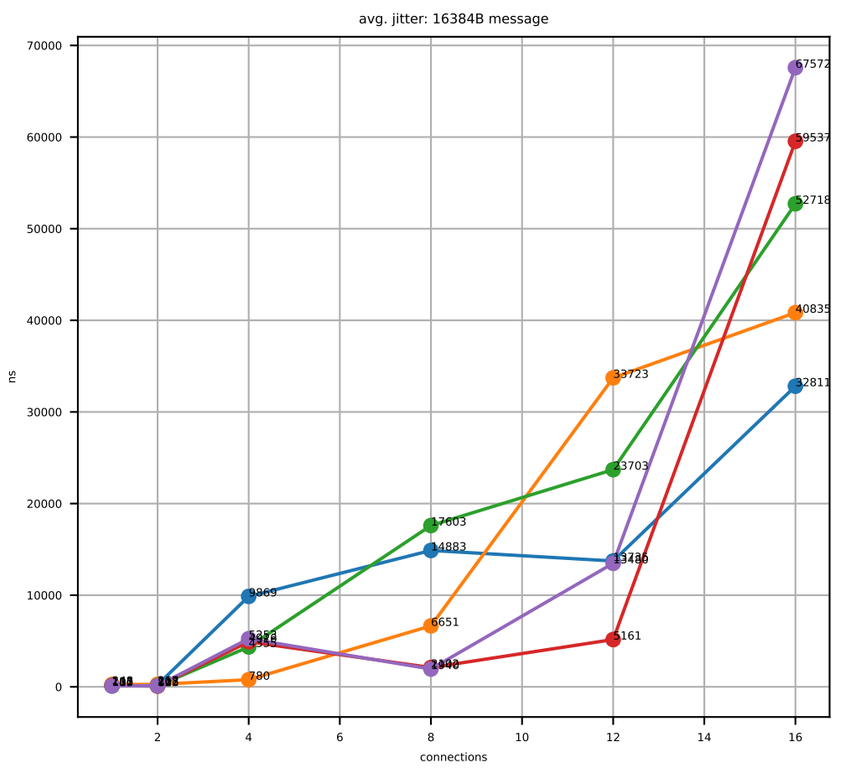

avg. latency: 1024B message
ns
connections
22500
20000
17500
15000
12500
10000
7500
2
4
6
8
10
12
14
16
23475
19697
19749
15846
16430
15468
13058
13353
13480
12538
11594
10019
10380
10881
9306
8000
8189
8345
6681
6627
6327
6393

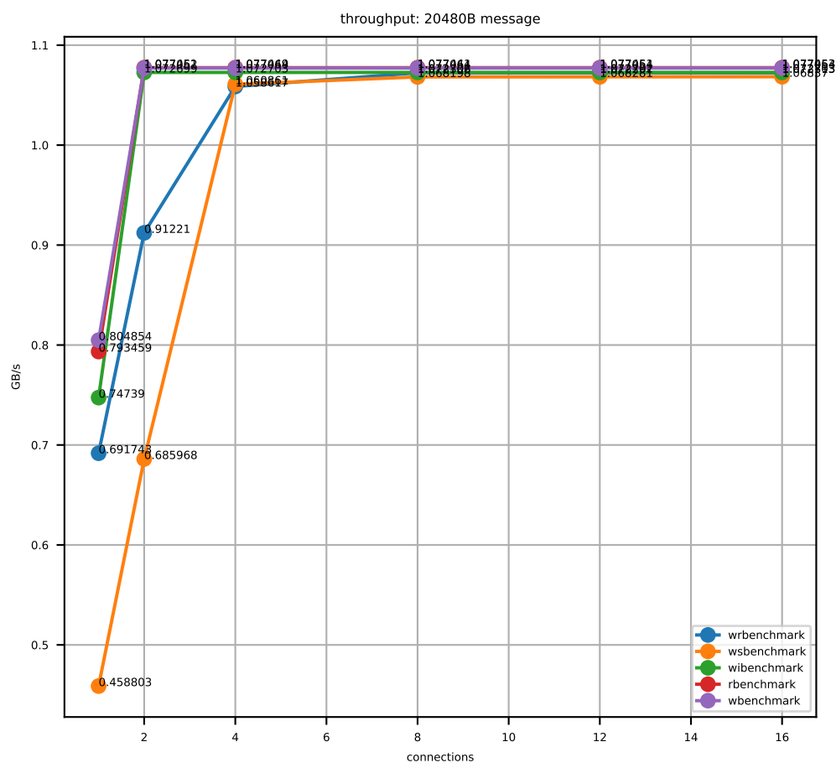

avg. jitter: 1024B message
ns
connections
400
350
300
250
200
150
100
50
2
4
6
8
10
12
14
16
406
404
353
261
287
285
267
260
259
201
171
146
153
131
129
123
121
119
102
104
92
83
78
70
68
59
65
50
45

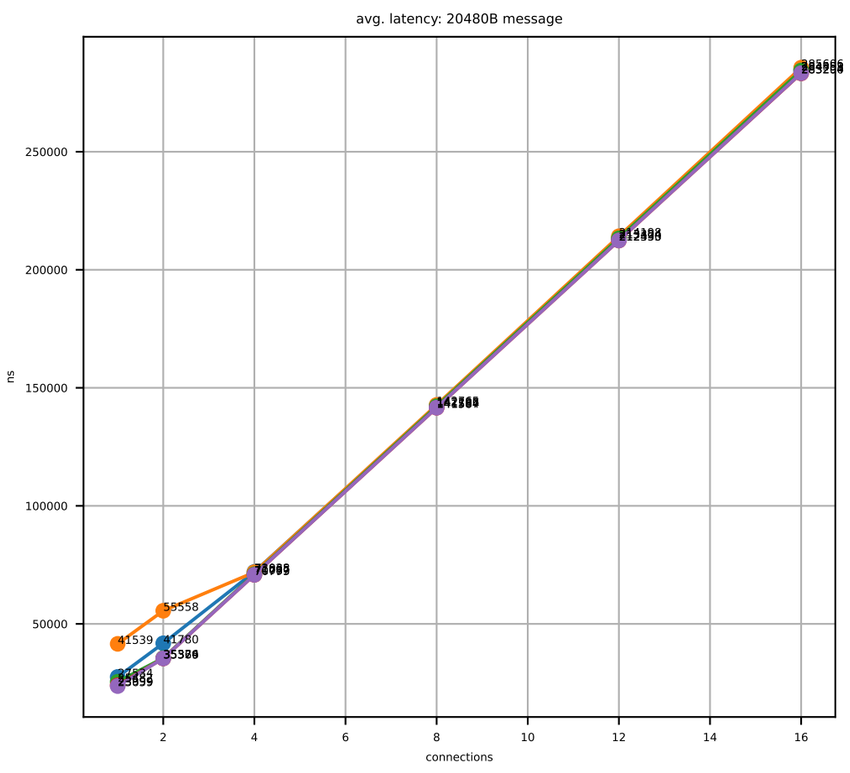

throughput: 12288B message
GB/s
connections
wrbenchmark
wsbenchmark
wibenchmark
rbenchmark
wbenchmark
avg. latency: 12288B message
ns
connections
avg. jitter: 12288B message
ns
connections

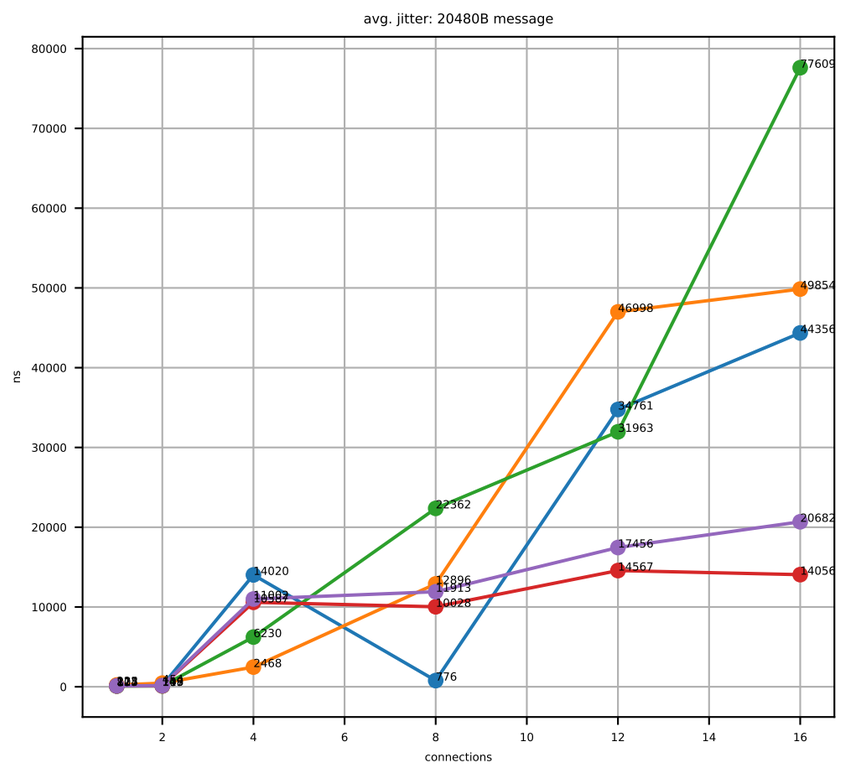

throughput: 16384B message
GB/s
connections
wrbenchmark
wsbenchmark
wibenchmark
rbenchmark
wbenchmark

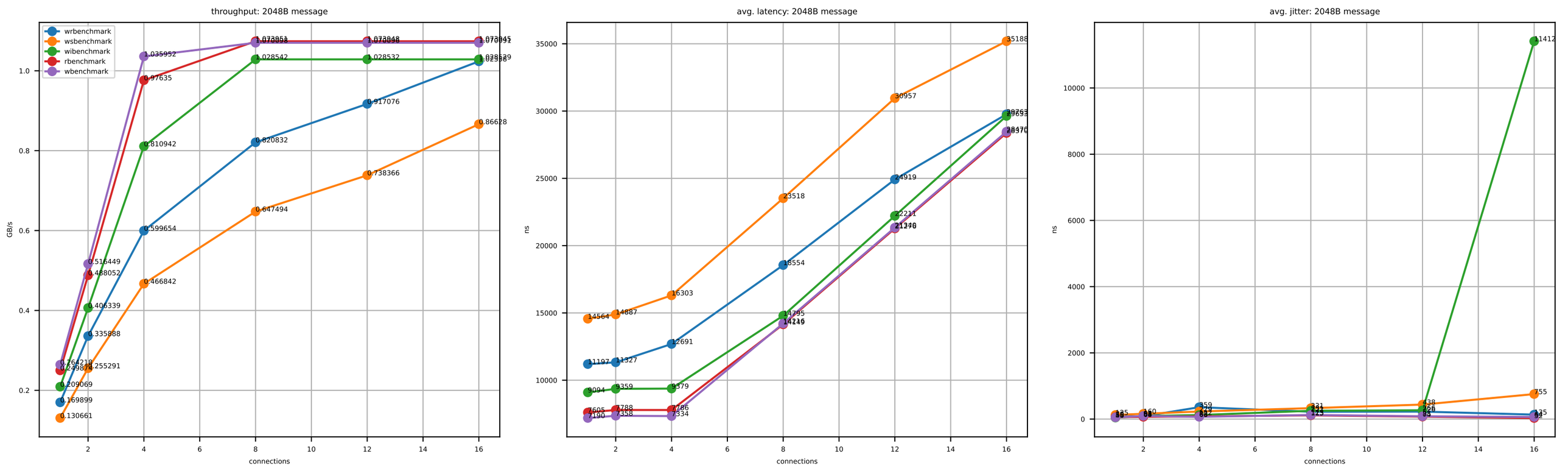

avg. latency: 16384B message
ns
connections

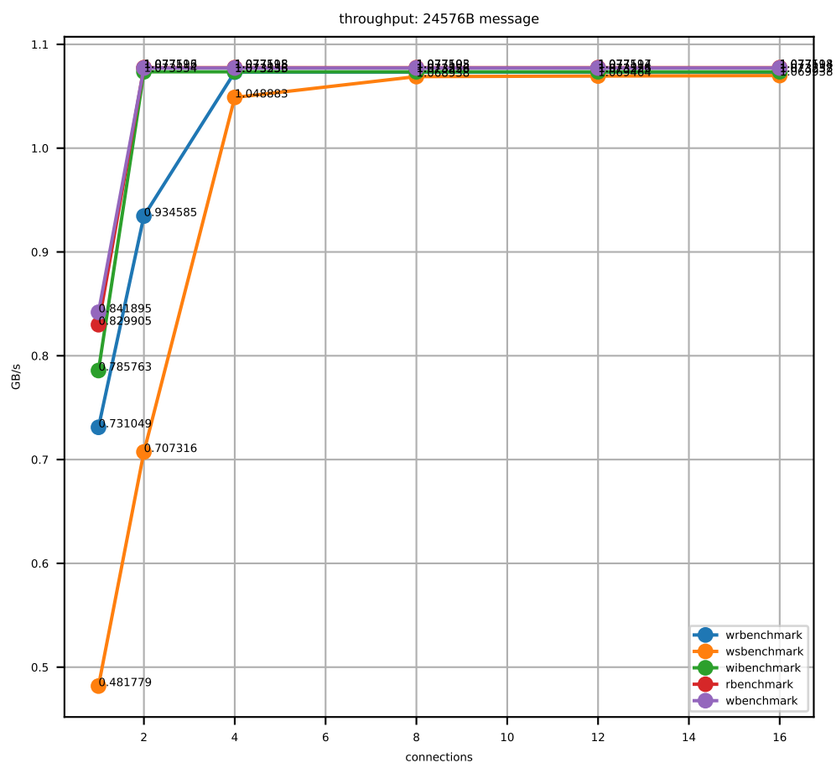

avg. jitter: 16384B message
ns
connections

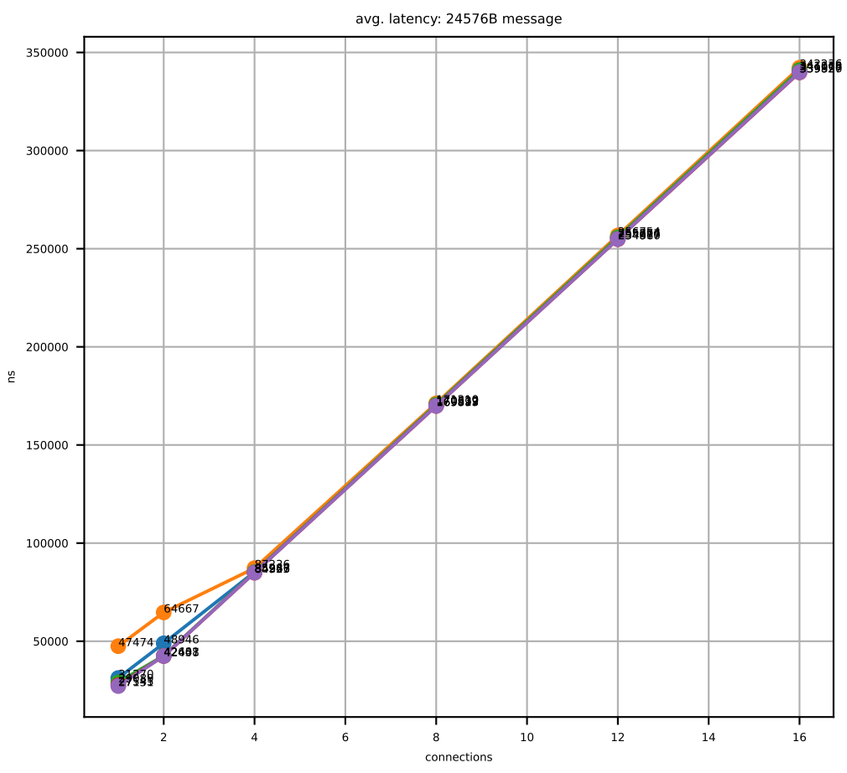

throughput: 20480B message
GB/s
connections
wrbenchmark
wsbenchmark
wibenchmark
rbenchmark
wbenchmark
0.91221
0.804854
0.793459
0.74739
0.691748
0.685968
0.458803

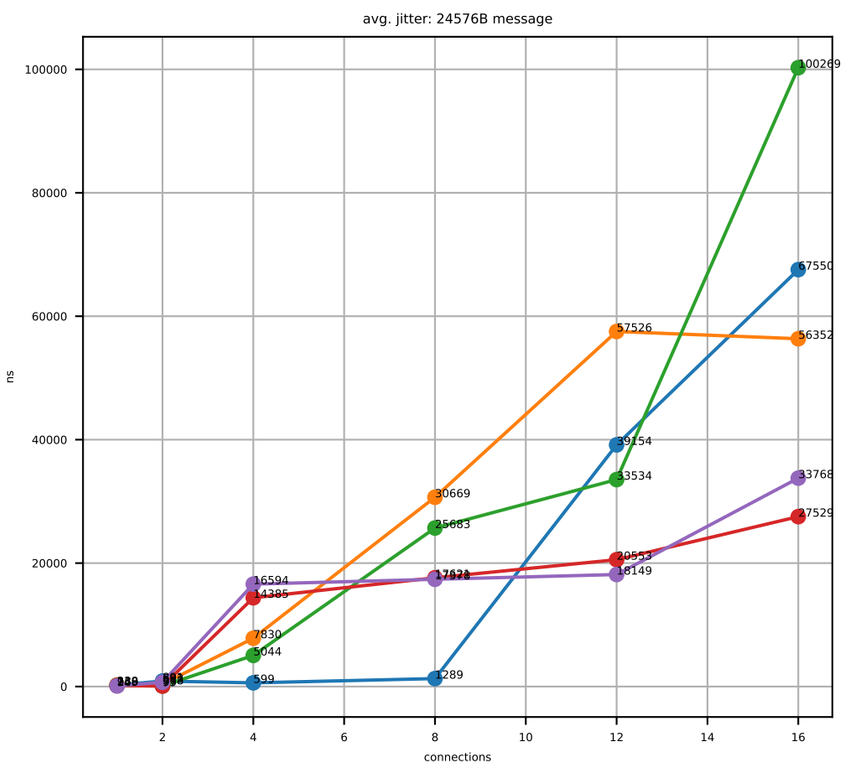

avg. latency: 20480B message
ns
connections
55558
41539
41780

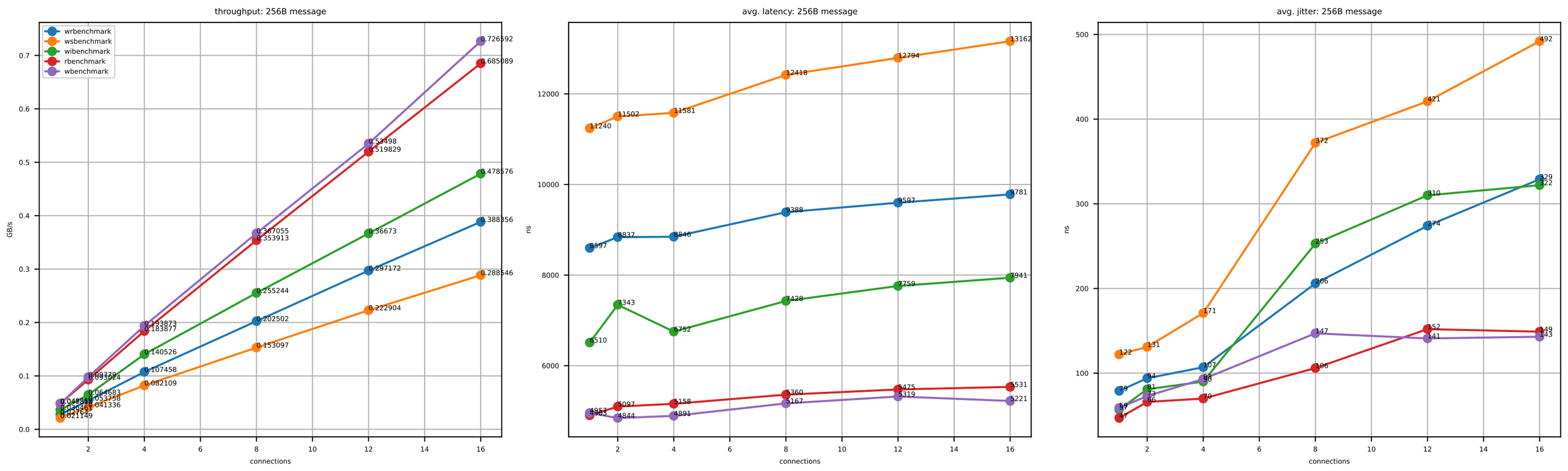

avg. jitter: 20480B message
ns
connections
77609
49854
46998
44356
34761
32363
31963
22362
20682
17456
14567
14056
14020
12896
11913
10028
6230
2468
776

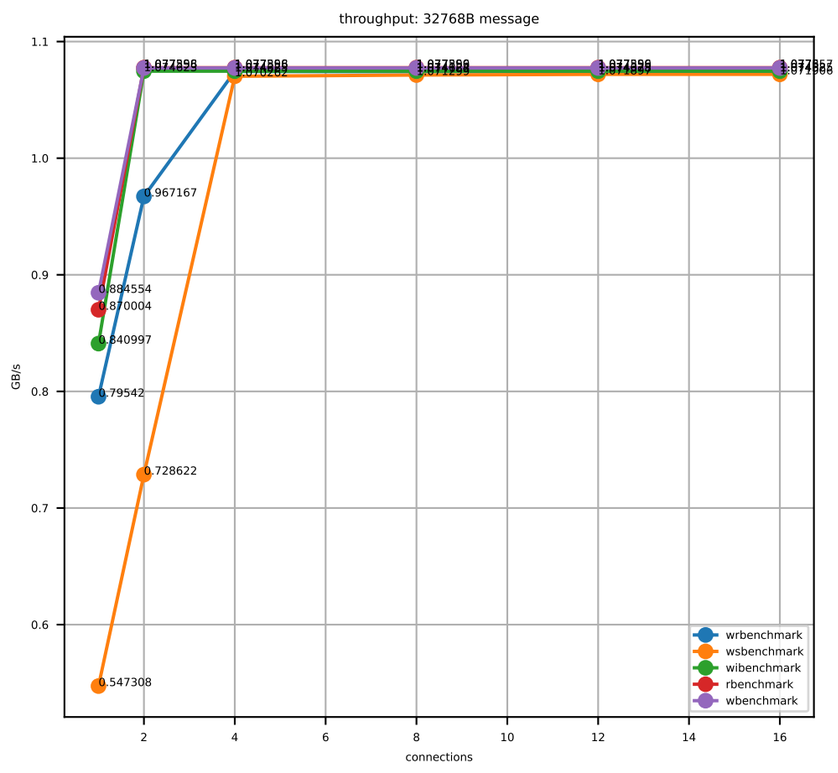

throughput: 2048B message
wrbenchmark
wsbenchmark
wibenchmark
rbenchmark
wbenchmark
GB/s
connections
avg. latency: 2048B message
ns
connections
avg. jitter: 2048B message
ns
connections

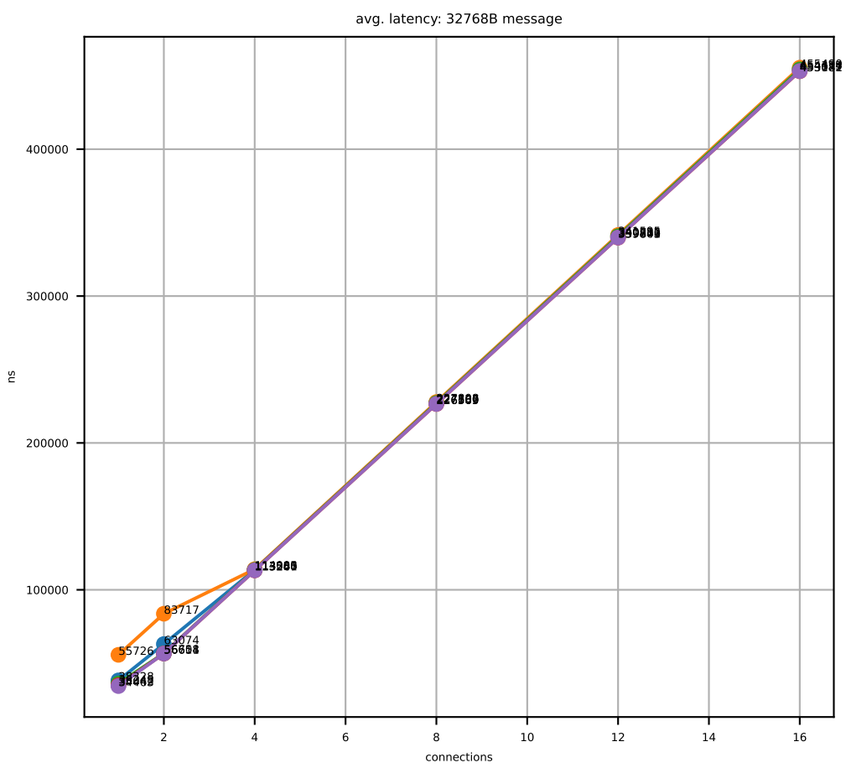

throughput: 24576B message
GB/s
connections
wrbenchmark
wsbenchmark
wibenchmark
rbenchmark
wbenchmark
0.934585
0.841895
0.829905
0.785763
0.731049
0.707316
1.048883
0.481779

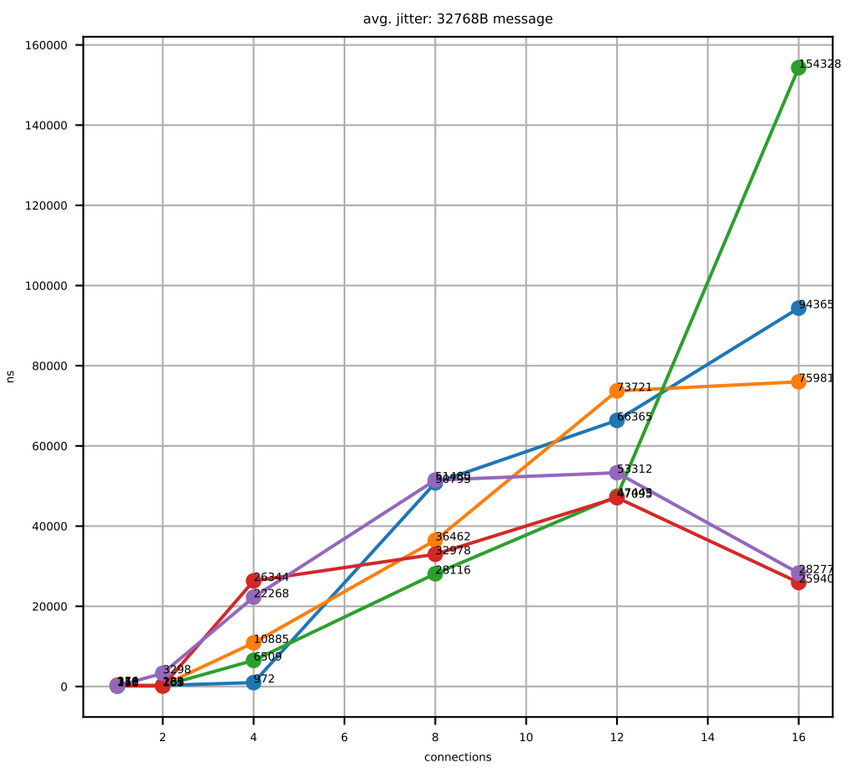

avg. latency: 24576B message
ns
connections
64667
47474
48946

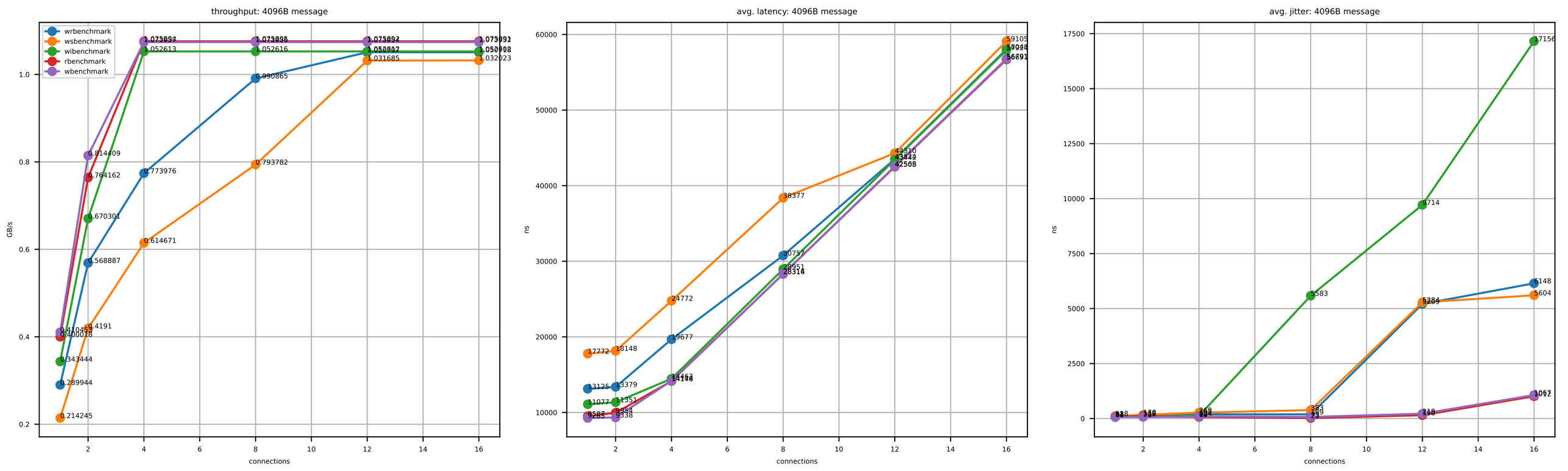

avg. jitter: 24576B message
ns
connections
100269
67550
57526
56352
39154
33534
33768
30669
25683
27529
20553
18149
16594
14385
7830
5044
1289
599

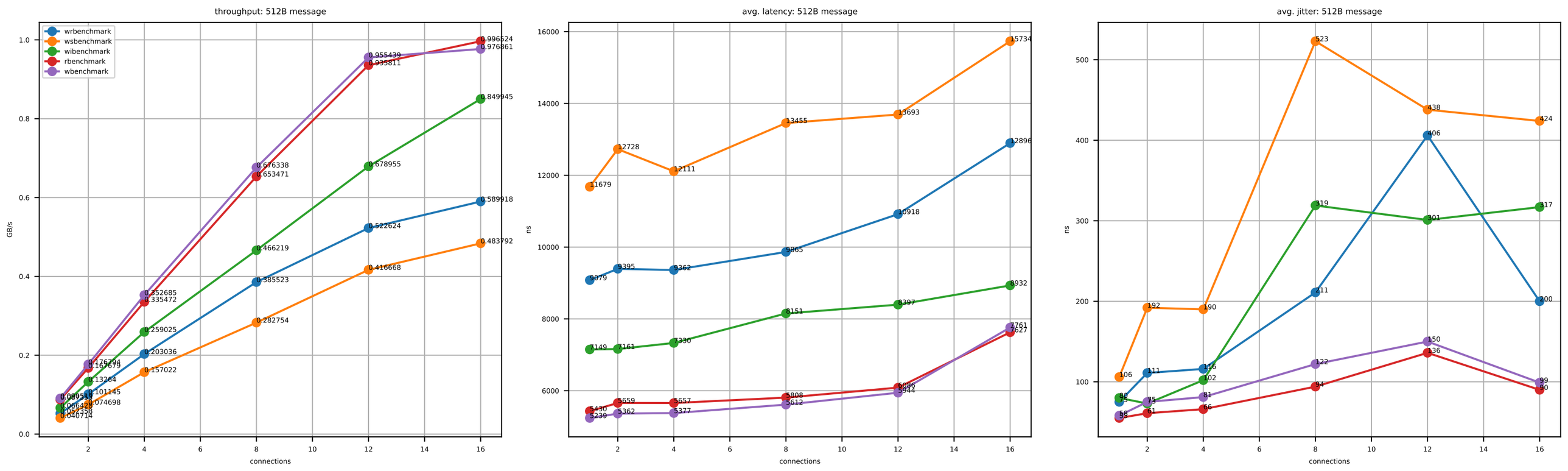

throughput: 256B message
wrbenchmark
wsbenchmark
wibenchmark
rbenchmark
wbenchmark
GB/s
connections
avg. latency: 256B message
ns
connections
avg. jitter: 256B message
ns
connections

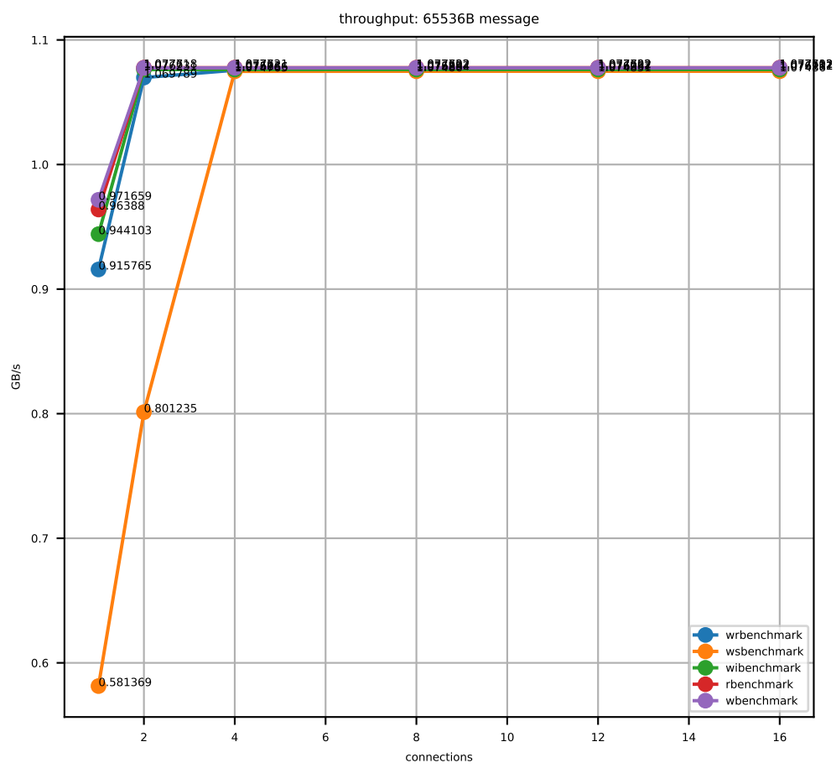

throughput: 32768B message
GB/s
connections
wrbenchmark
wsbenchmark
wibenchmark
rbenchmark
wbenchmark
0.967167
0.884554
0.870004
0.840997
0.79542
0.728622
0.547308

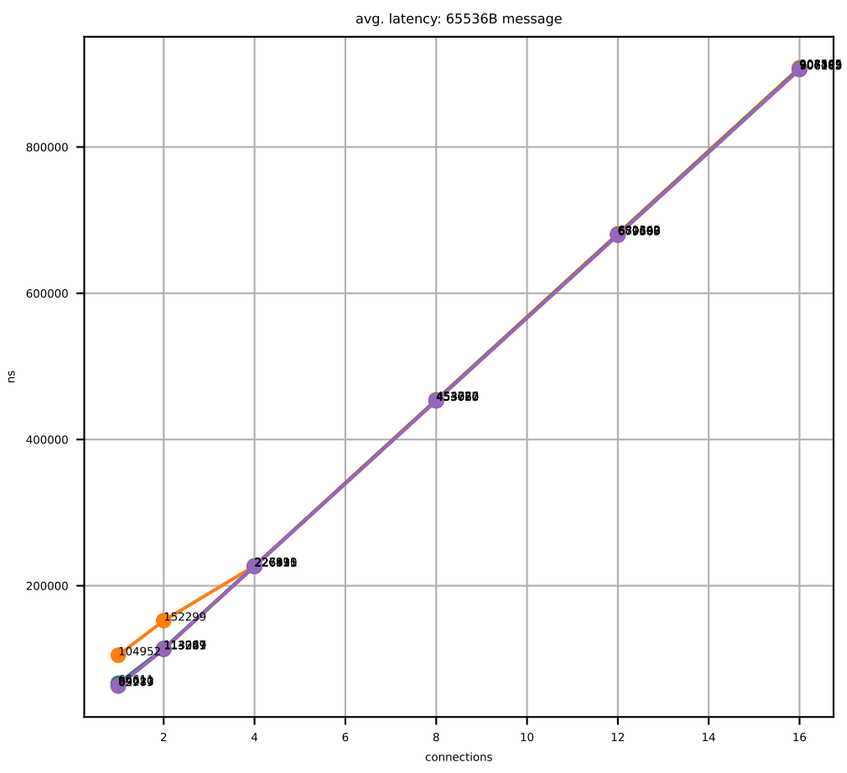

avg. latency: 32768B message
ns
connections
83717
55726
63074

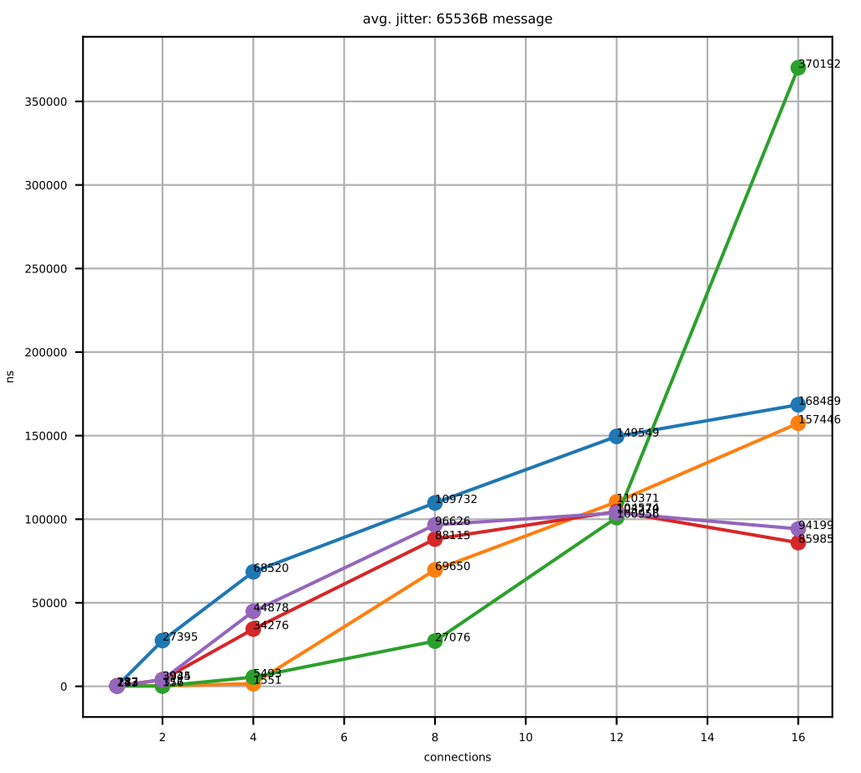

avg. jitter: 32768B message
ns
connections
154328
94365
75981
73721
66365
53312
36462
32978
28116
26344
22268
10885
6509
3298
972
28277
25940

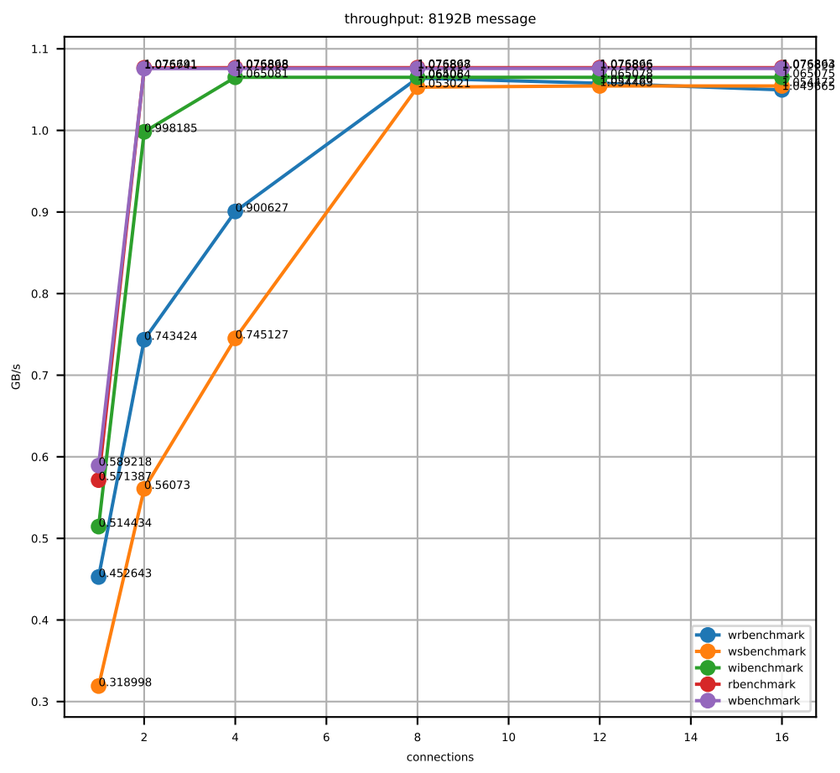

throughput: 4096B message
wrbenchmark
wsbenchmark
wibenchmark
rbenchmark
wbenchmark
GB/s
connections
avg. latency: 4096B message
ns
connections
avg. jitter: 4096B message
ns
connections

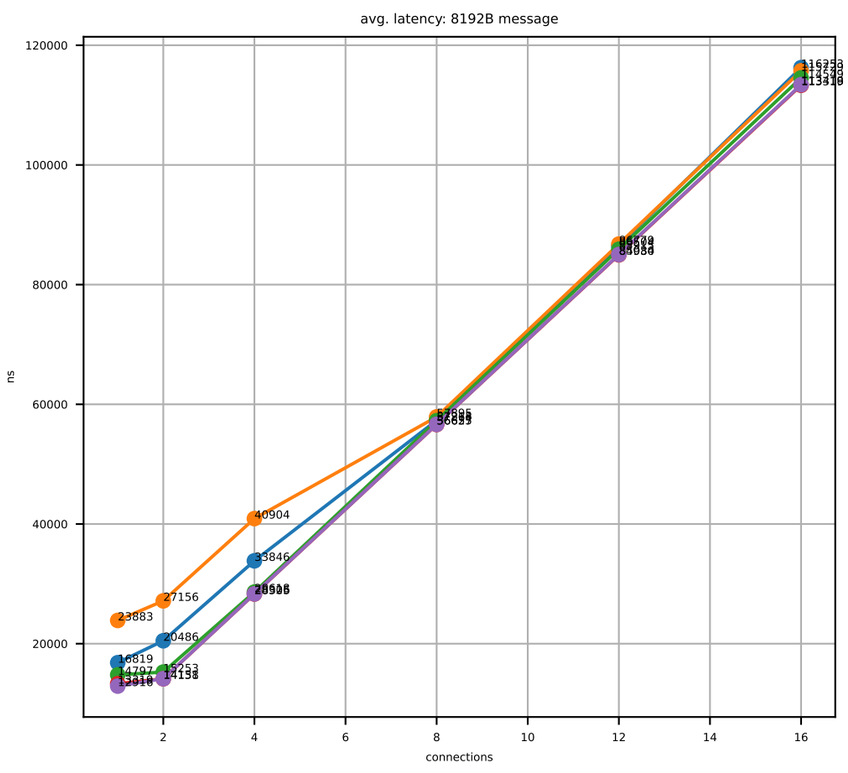

throughput: 512B message
wrbenchmark
wsbenchmark
wibenchmark
rbenchmark
wbenchmark
GB/s
connections
avg. latency: 512B message
ns
connections
avg. jitter: 512B message
ns
connections

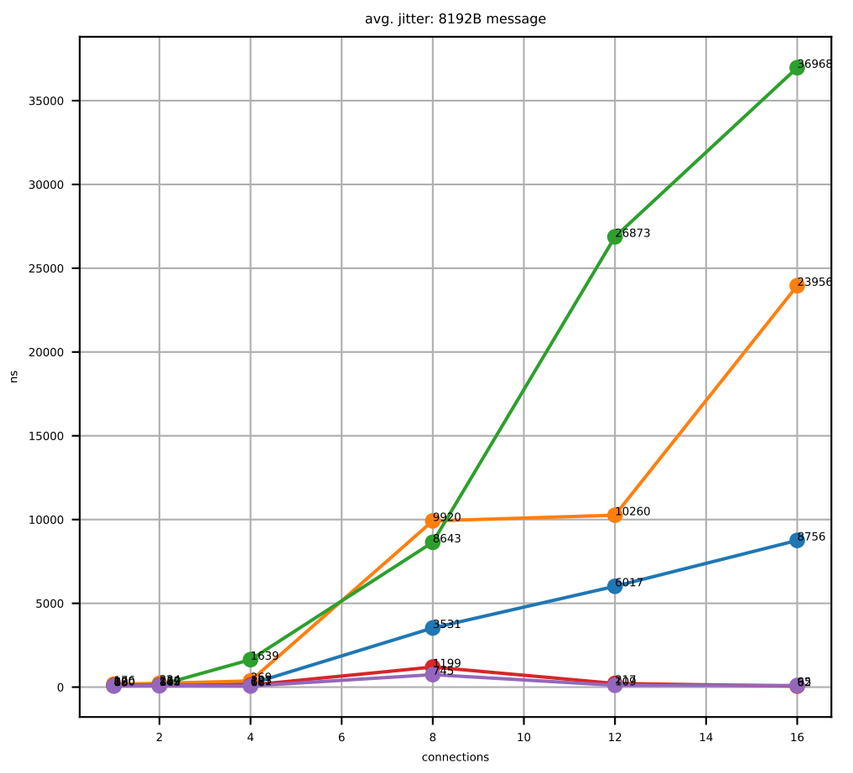

throughput: 65536B message
GB/s
connections
wrbenchmark
wsbenchmark
wibenchmark
rbenchmark
wbenchmark
0.971659
0.96388
0.944103
0.915765
0.801235
0.581369

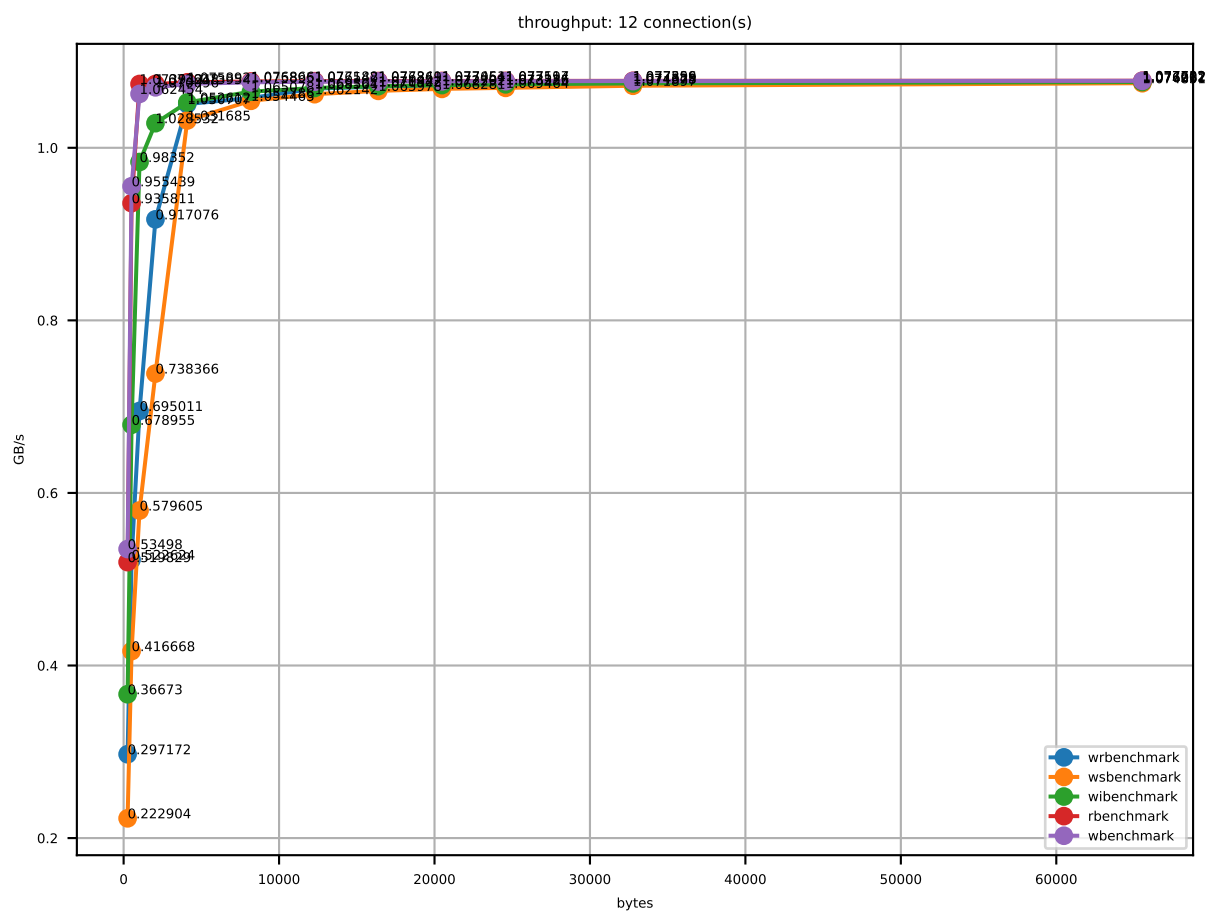

avg. latency: 65536B message
ns
connections
152299

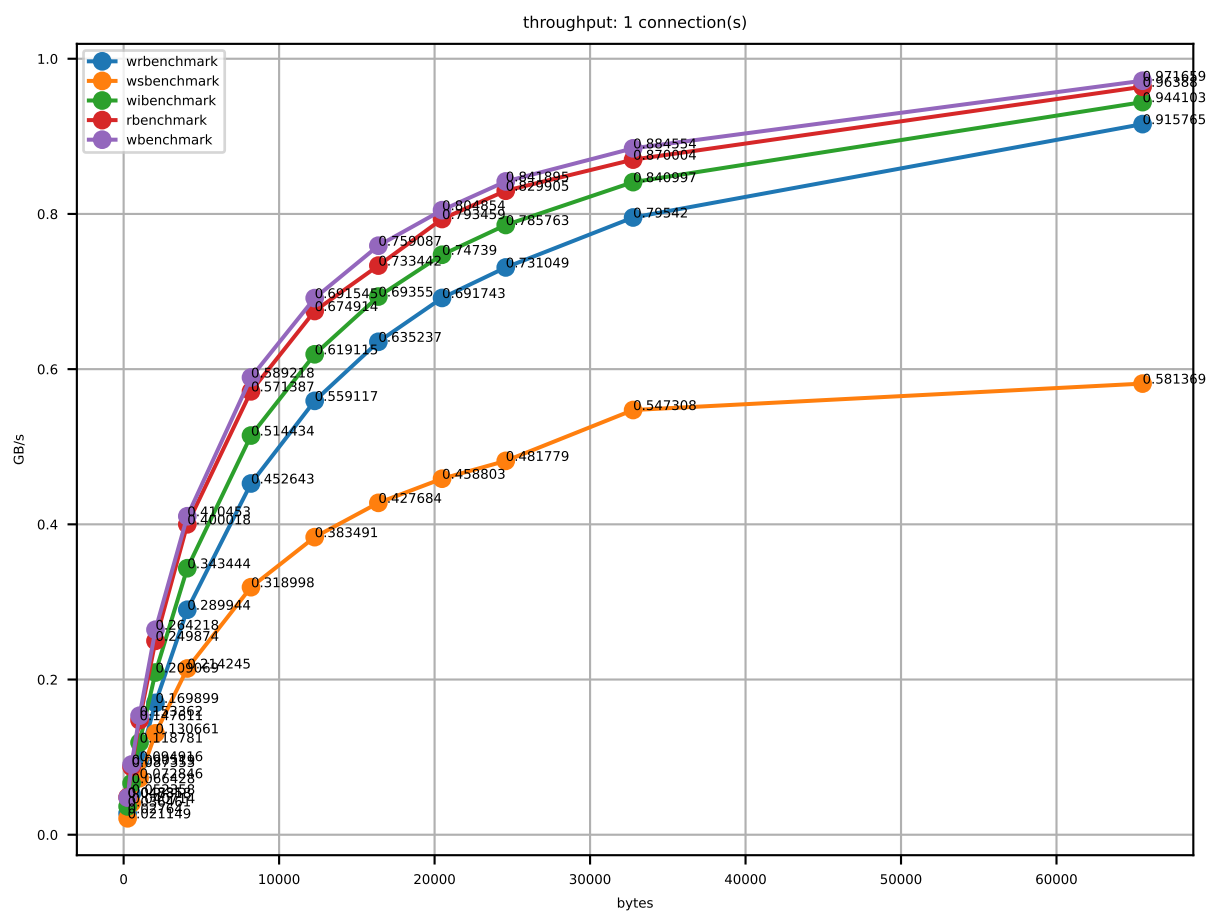

avg. jitter: 65536B message
ns
connections
370192
168489
157446
149549
110371
109732
96626
94199
88115
85985
69650
68520
44878
34276
27395
27076
1551

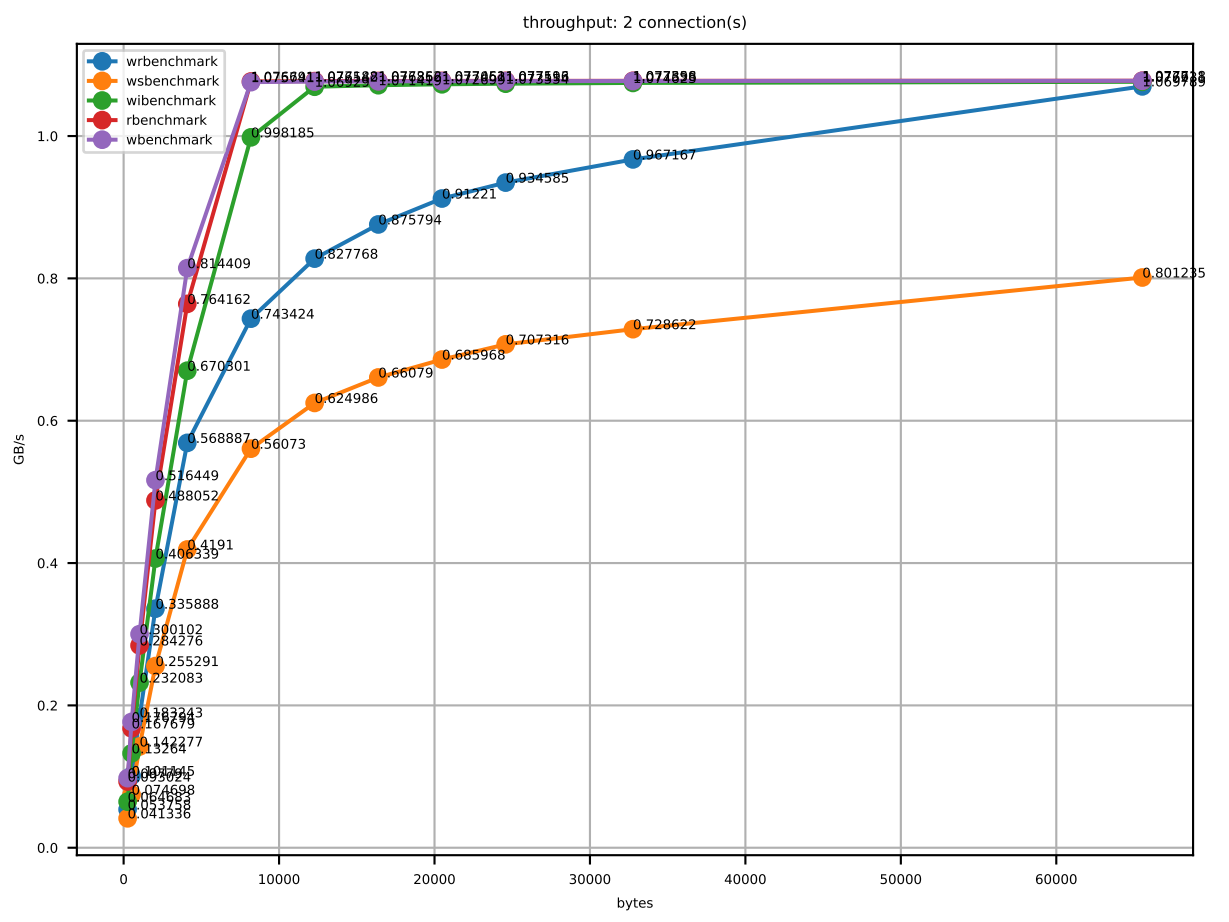

throughput: 8192B message
GB/s
connections
wrbenchmark
wsbenchmark
wibenchmark
rbenchmark
wbenchmark

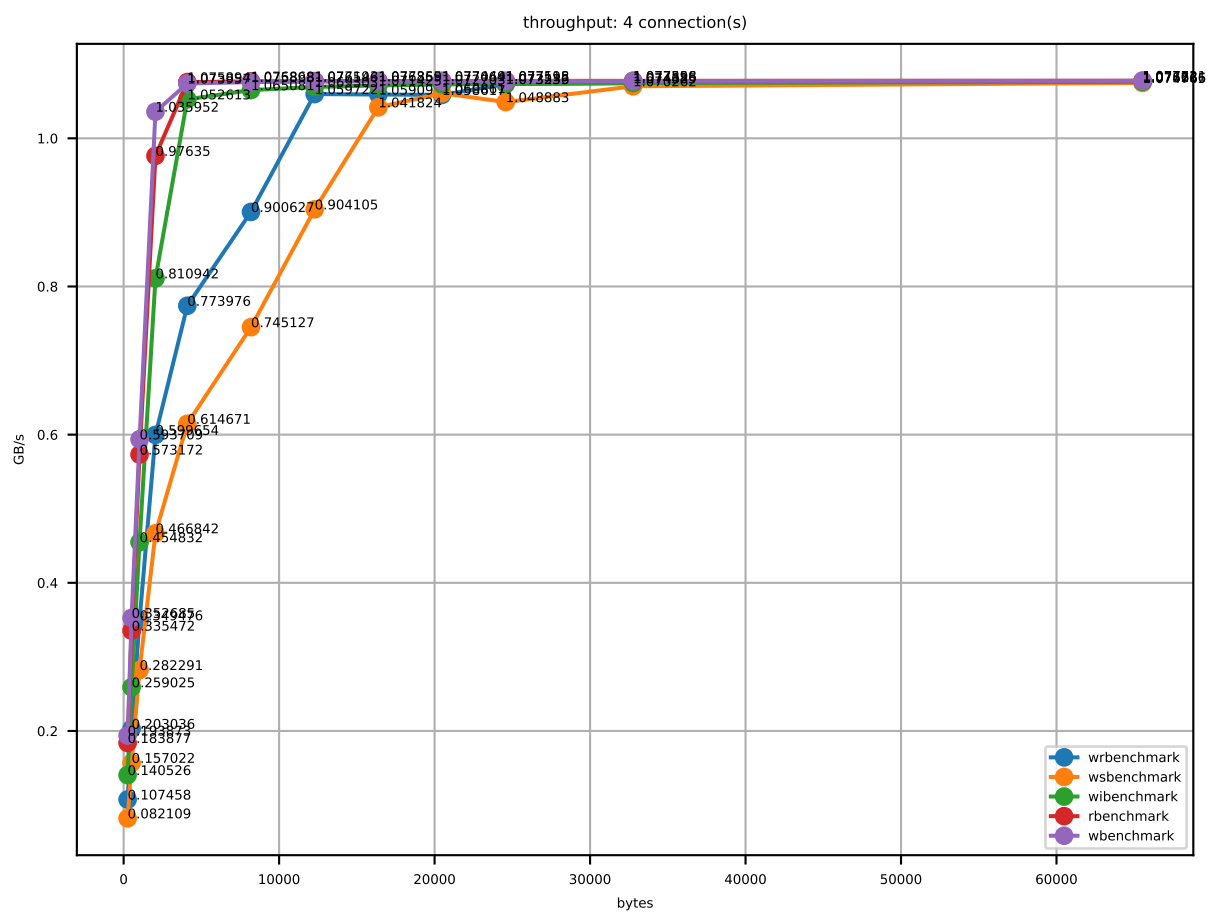

avg. latency: 8192B message
ns
connections

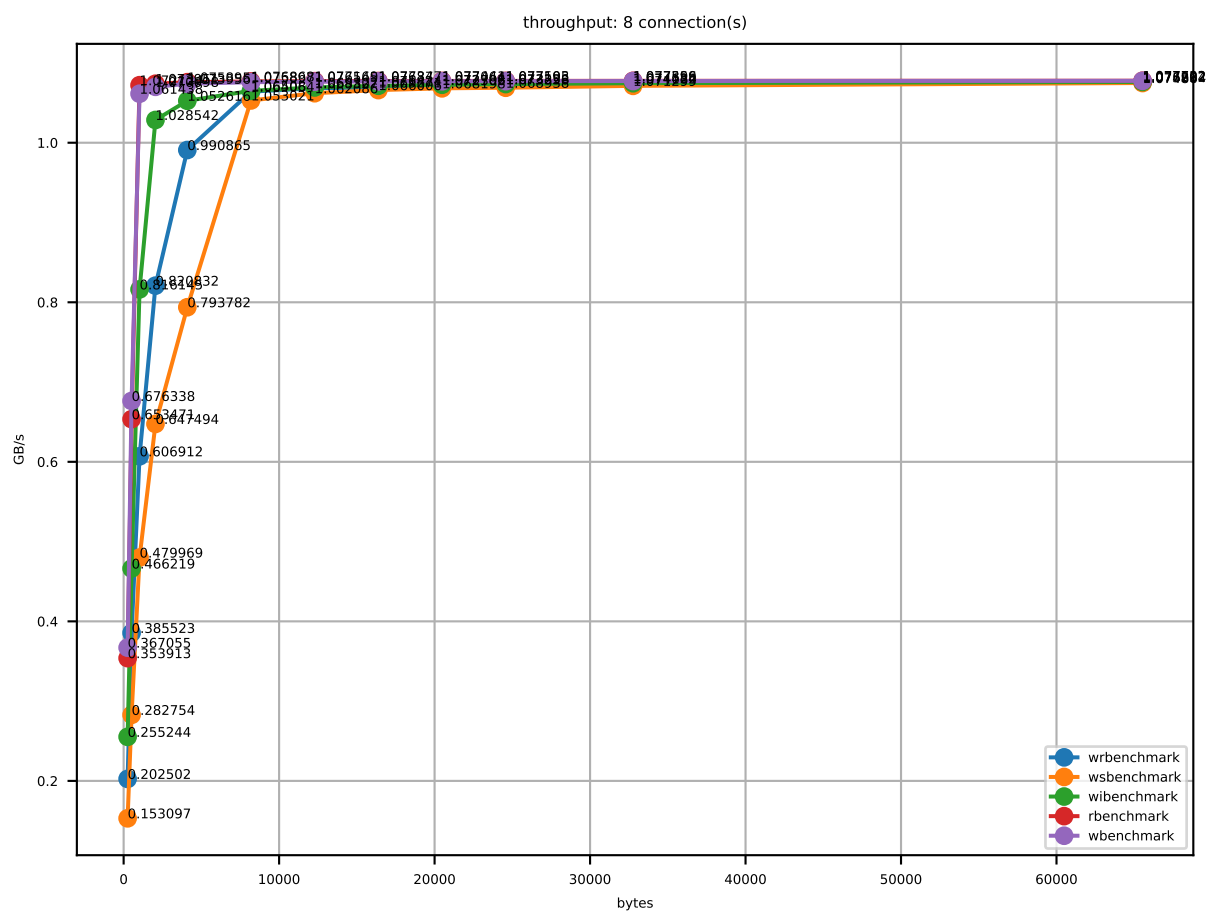

avg. jitter: 8192B message
ns
connections

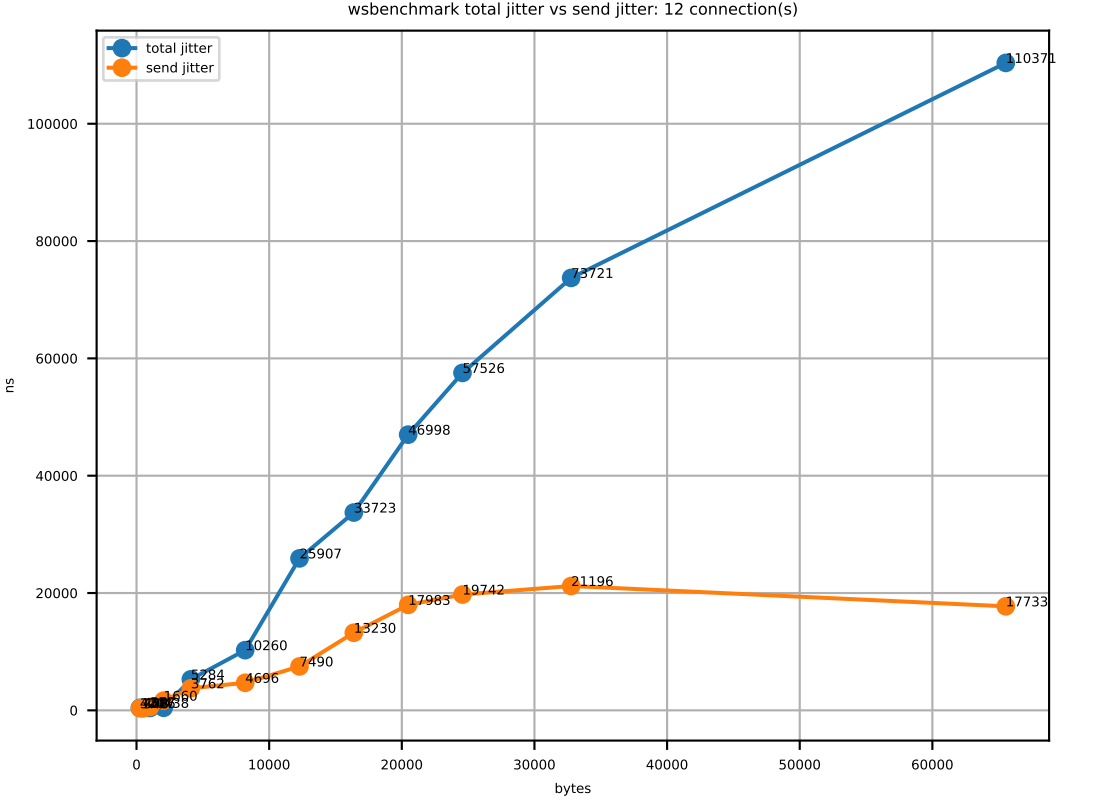

throughput: 12 connection(s)
GB/s
bytes
0.2
0.4
0.6
0.8
1.0
0
10000
20000
30000
40000
50000
60000
0.222904
0.297172
0.36673
0.416668
0.53498
0.579605
0.678955
0.695011
0.738366
0.917076
0.935811
0.955439
0.98352
1.028532
1.031685
wrbenchmark
wsbenchmark
wibenchmark
rbenchmark
wbenchmark

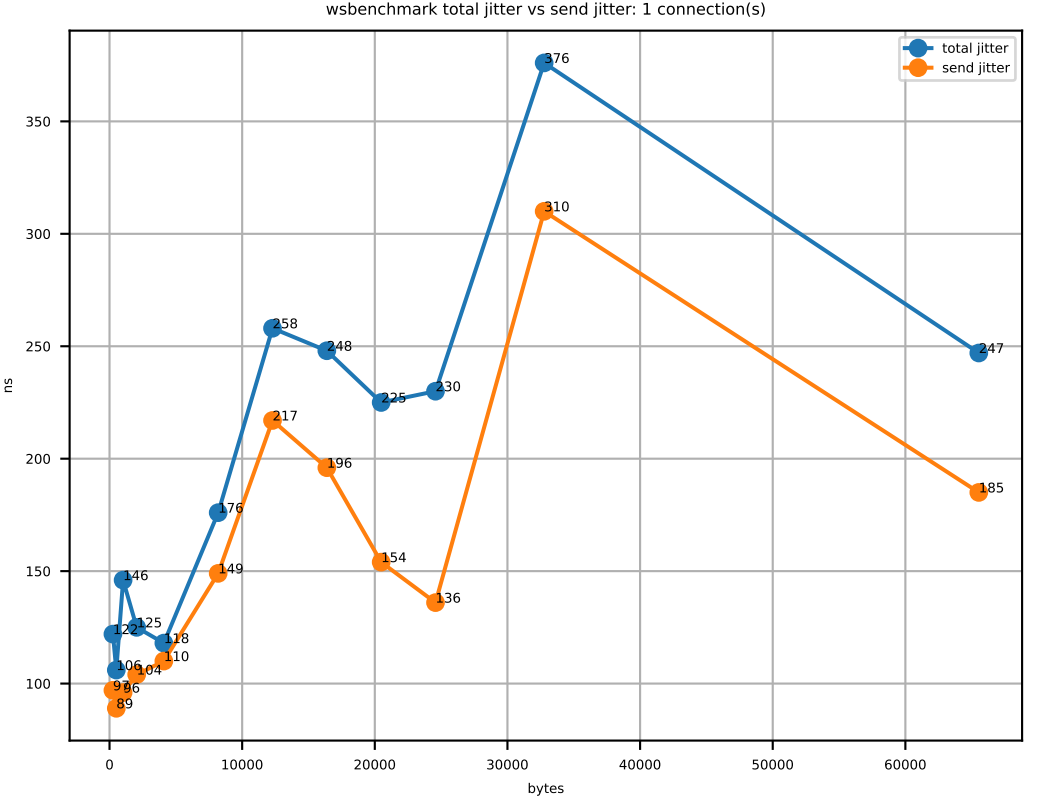

throughput: 1 connection(s)
wrbenchmark
wsbenchmark
wibenchmark
rbenchmark
wbenchmark
GB/s
bytes
0.0
0.2
0.4
0.6
0.8
1.0
0
10000
20000
30000
40000
50000
60000
0.915765
0.581369
0.944103
0.963884
0.971659
0.79542
0.547308
0.840997
0.870004
0.884554
0.731049
0.481779
0.785763
0.829905
0.841895
0.691743
0.458803
0.74739
0.793459
0.804854
0.635237
0.427684
0.619115
0.733442
0.759087
0.559117
0.383491
0.674914
0.691545
0.69355
0.452643
0.318998
0.514434
0.571387
0.589218
0.289944
0.343444
0.400018
0.410453
0.214245
0.209065
0.249874
0.264218
0.169899
0.130661
0.118781
0.021149

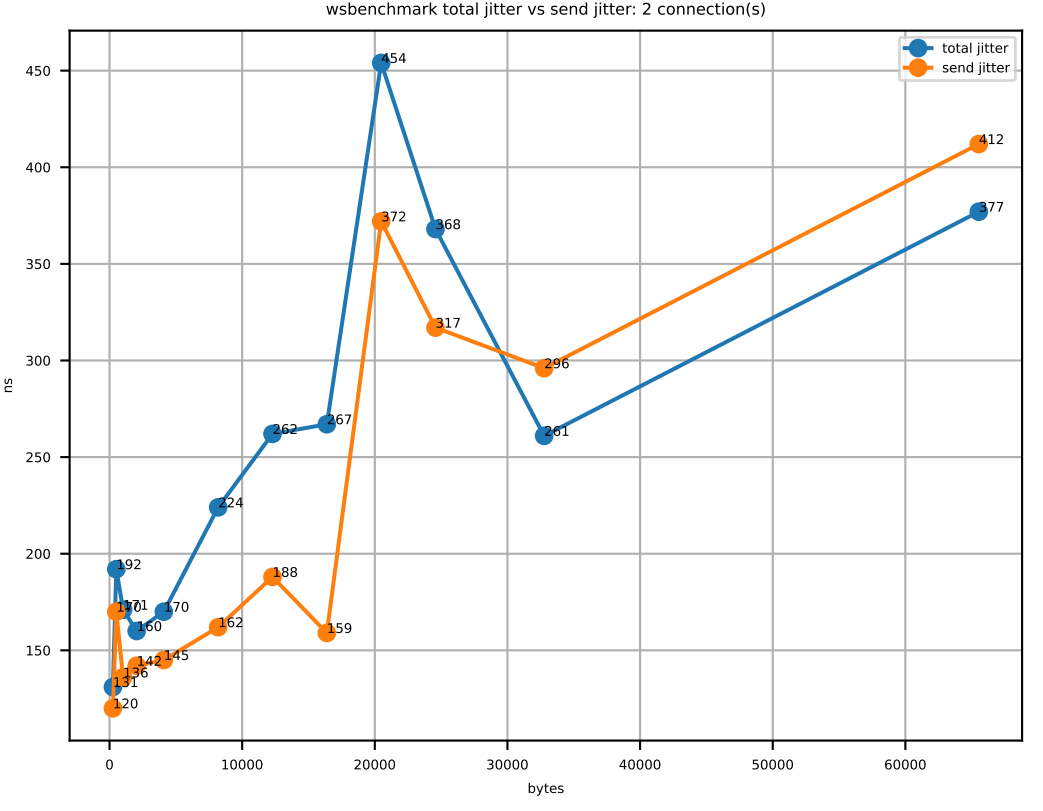

throughput: 2 connection(s)
wrbenchmark
wsbenchmark
wibenchmark
rbenchmark
wbenchmark
GB/s
bytes
0.0
0.2
0.4
0.6
0.8
1.0
0
10000
20000
30000
40000
50000
60000
0.998185
0.967167
0.934585
0.91221
0.875794
0.827768
0.814409
0.764162
0.743424
0.670301
0.568887
0.56073
0.516449
0.488052
0.4191
0.406339
0.335888
0.300102
0.284276
0.255291
0.232083
0.183243
0.167679
0.142277
0.13264
0.074698
0.041336
0.801235
0.728622
0.707316
0.685968
0.66079
0.624986

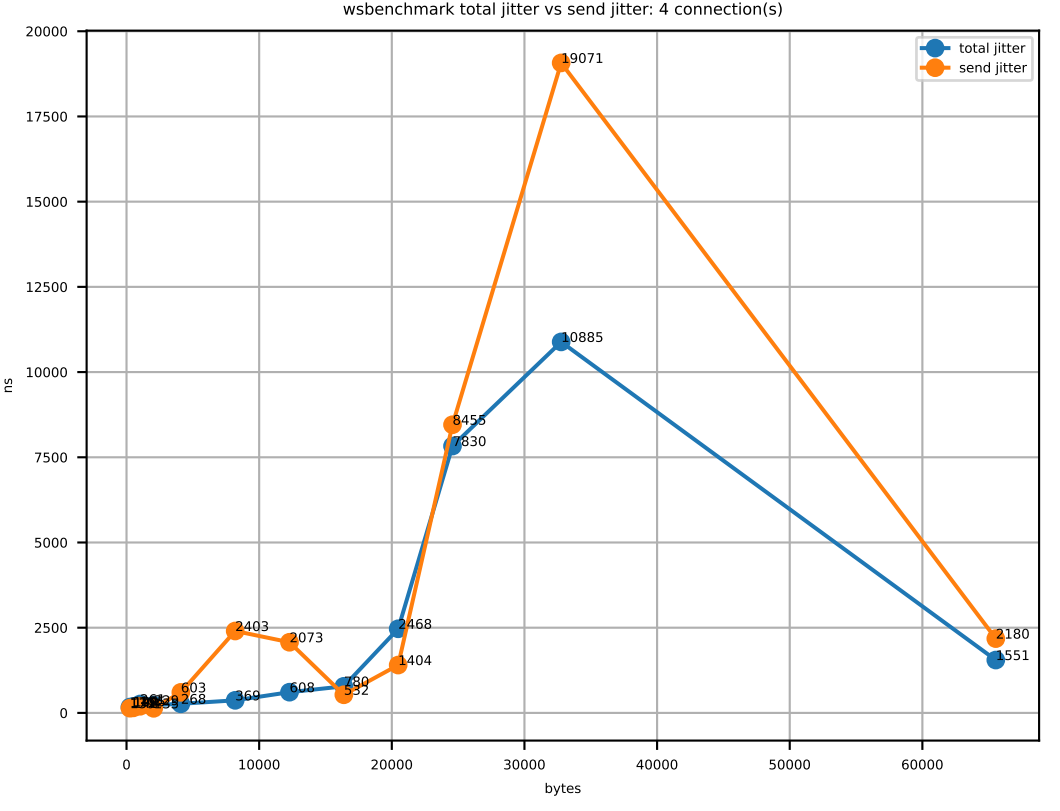

throughput: 4 connection(s)
GB/s
bytes
wrbenchmark
wsbenchmark
wibenchmark
rbenchmark
wbenchmark

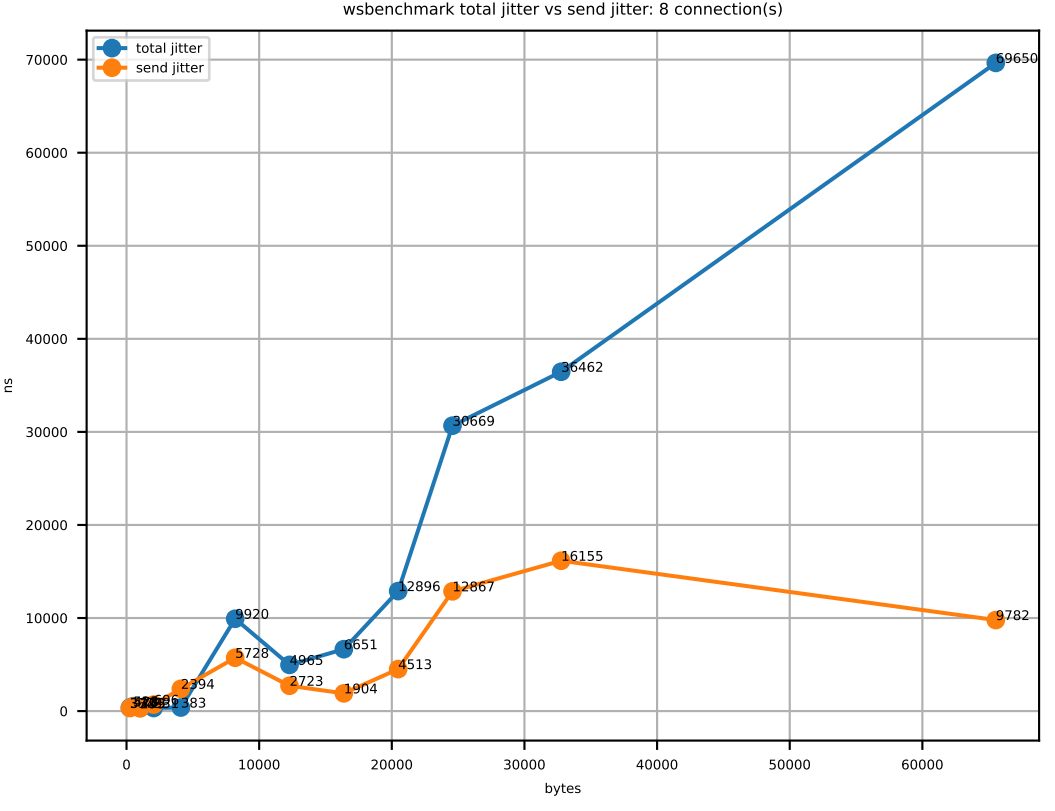

throughput: 8 connection(s)
GB/s
bytes
0.2
0.4
0.6
0.8
1.0
0
10000
20000
30000
40000
50000
60000
0.990865
1.028542
0.793782
0.647494
0.606912
0.479969
0.466219
0.385523
0.367055
0.353913
0.282754
0.255244
0.202502
0.153097
0.676338
0.653471
wrbenchmark
wsbenchmark
wibenchmark
rbenchmark
wbenchmark

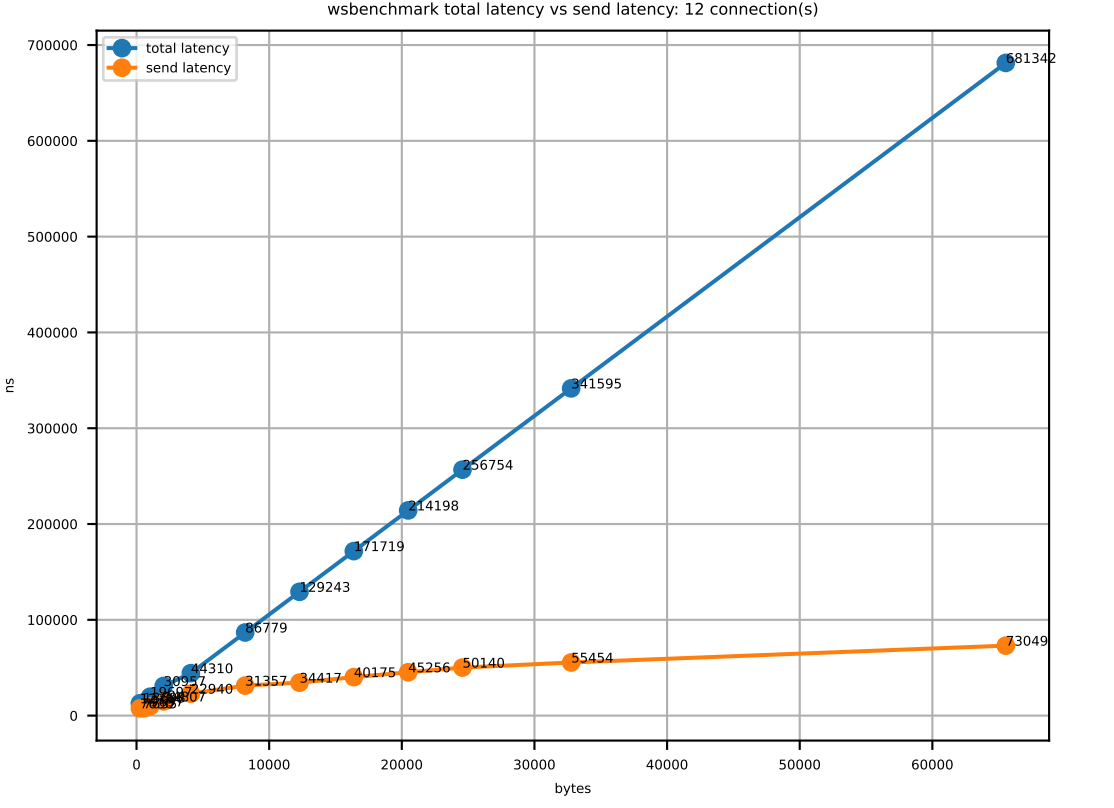

wsbenchmark total jitter vs send jitter: 12 connection(s)
total jitter
send jitter
ns
bytes
0
20000
40000
60000
80000
100000
0
10000
20000
30000
40000
50000
60000
110371
73721
57526
46998
33723
25907
10260
5284
3762
1660
4696
7490
13230
17983
19742
21196
17733

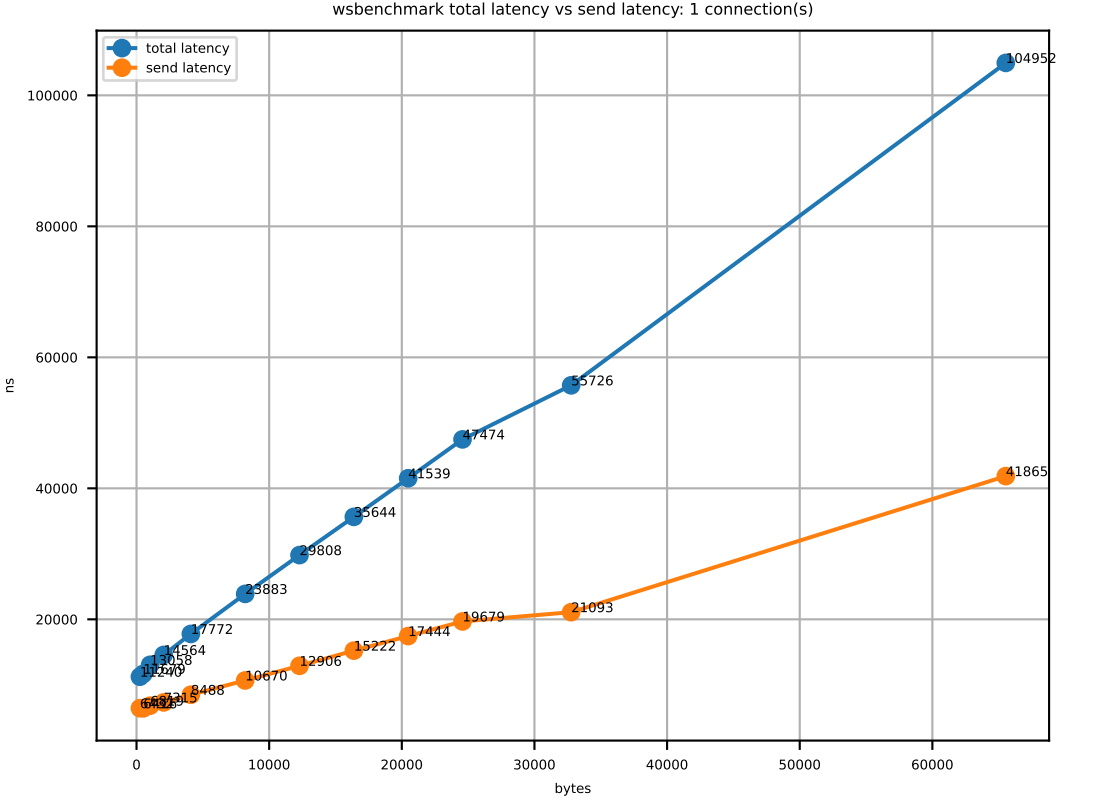

wsbenchmark total jitter vs send jitter: 1 connection(s)
total jitter
send jitter
ns
bytes
0
10000
20000
30000
40000
50000
60000
100
150
200
250
300
350
376
310
258
248
225
230
247
217
196
185
176
154
149
136
146
125
122
118
110
106
104
96
89

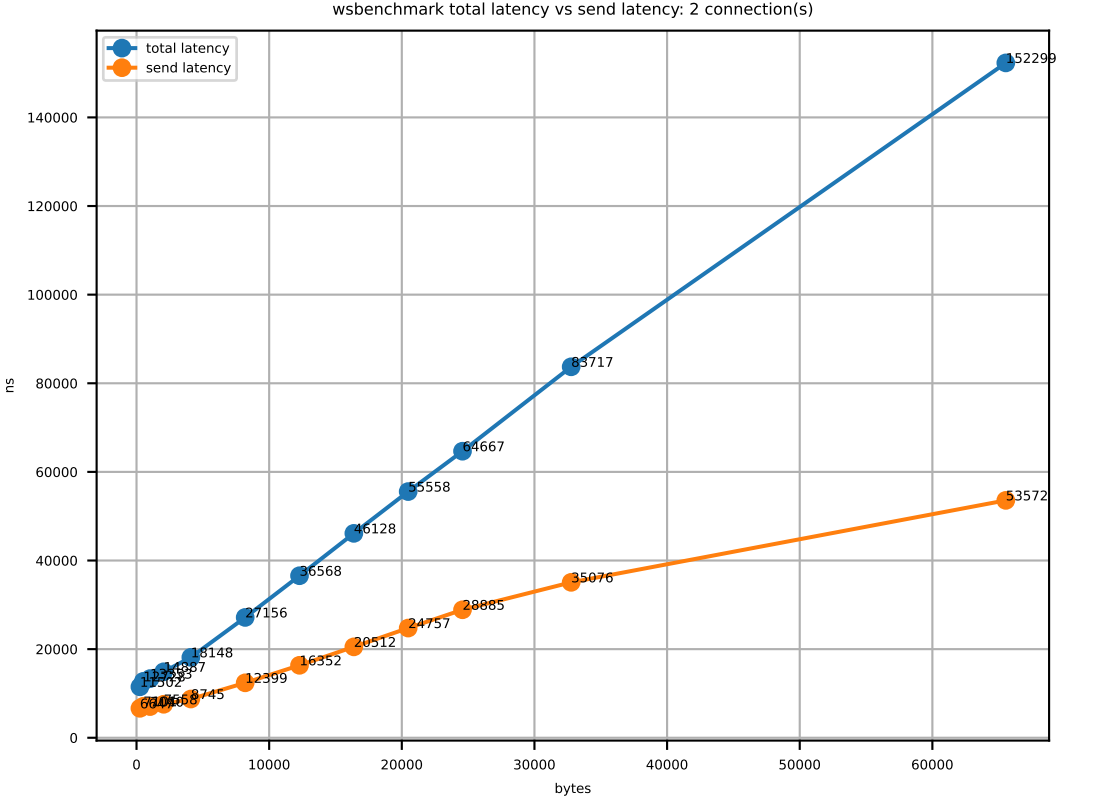

wsbenchmark total jitter vs send jitter: 2 connection(s)
total jitter
send jitter
ns
bytes
0
10000
20000
30000
40000
50000
60000
150
200
250
300
350
400
450
454
368
262
267
224
192
171
170
160
131
120
372
317
296
412
377
261
188
162
159
145
142
136

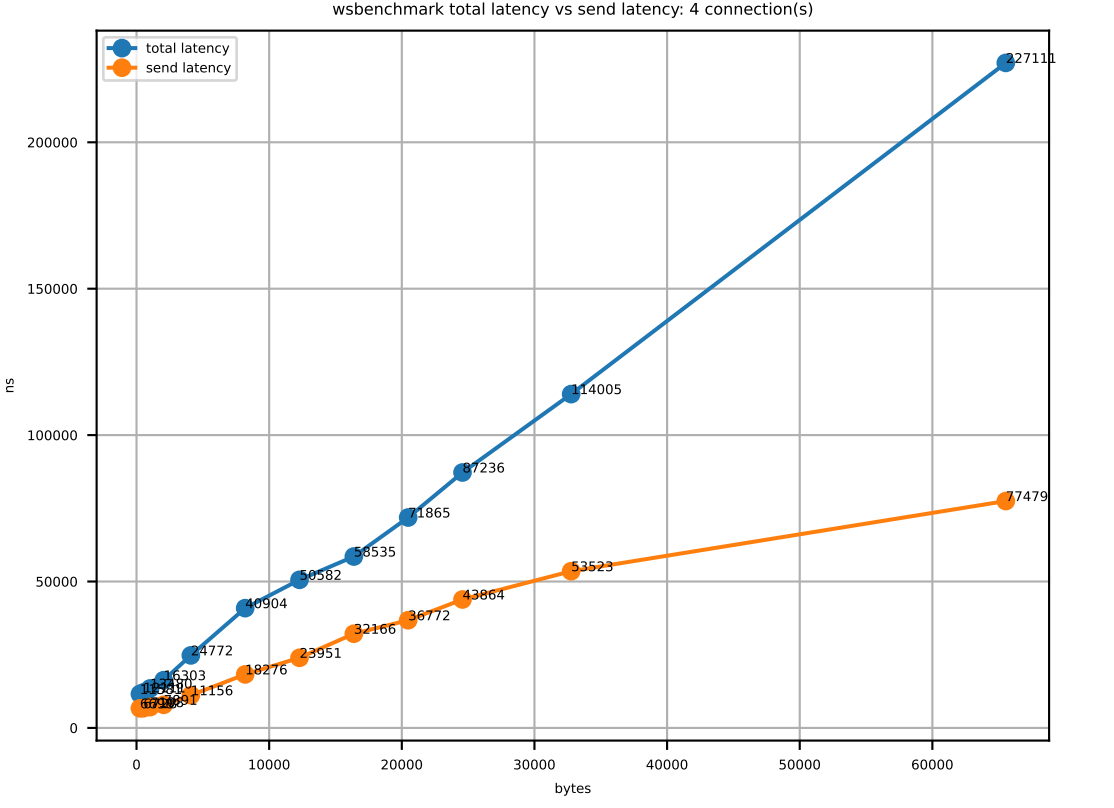

wsbenchmark total jitter vs send jitter: 4 connection(s)
total jitter
send jitter
ns
bytes
20000
17500
15000
12500
10000
7500
5000
2500
0
0
10000
20000
30000
40000
50000
60000
19071
10885
8455
7830
2403
2073
2468
1404
2180
1551
603
369
608
532
780
268

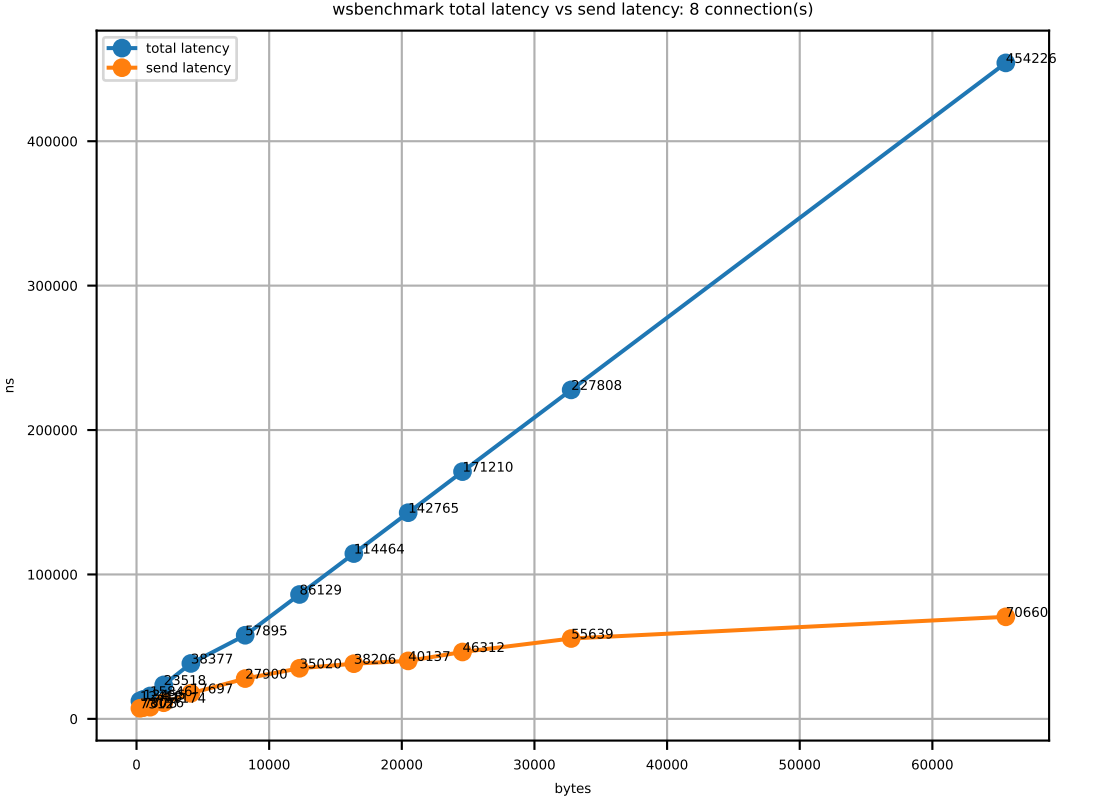

wsbenchmark total jitter vs send jitter: 8 connection(s)
total jitter
send jitter
ns
bytes
0
10000
20000
30000
40000
50000
60000
70000
69650
36462
30669
12896
9920
6651
4965
2394
1383
12867
16155
9782
5728
4513
2723
1904


wsbenchmark total latency vs send latency: 12 connection(s)
total latency
send latency
ns
bytes
700000
600000
500000
400000
300000
200000
100000
0
0
10000
20000
30000
40000
50000
60000
681342
341595
256754
214198
171719
129243
86779
44310
30957
22940
31357
34417
40175
45256
50140
55454
73049


wsbenchmark total latency vs send latency: 1 connection(s)
total latency
send latency
ns
bytes
0
10000
20000
30000
40000
50000
60000
20000
40000
60000
80000
100000
104952
55726
47474
41539
35644
29808
23883
17772
15564
13058
10670
12906
15222
17444
19679
21093
41865
8488


wsbenchmark total latency vs send latency: 2 connection(s)
total latency
send latency
ns
bytes
0
20000
40000
60000
80000
100000
120000
140000
0
10000
20000
30000
40000
50000
60000
152299
83717
64667
55558
46128
36568
27156
18148
53572
35076
28885
24757
20512
16352
12399
8745


wsbenchmark total latency vs send latency: 4 connection(s)
total latency
send latency
ns
bytes
0
50000
100000
150000
200000
0
10000
20000
30000
40000
50000
60000
227111
114005
87236
71865
58535
50582
40904
24772
16303
11156
77479
53523
43864
36772
32166
23951
18276


wsbenchmark total latency vs send latency: 8 connection(s)
total latency
send latency
ns
bytes
0
100000
200000
300000
400000
0
10000
20000
30000
40000
50000
60000
454226
227808
171210
142765
114464
86129
57895
38377
23518
17697
27900
35020
38206
40137
46312
55639
70660