

Microsoft Word Experiments Summary

One User Typing:

Stat	1%	2.5%	50%	97.5%	Avg	Stdev	Min
Req/Sec	33	33	50	93	56.8	17.44	33
Bytes/Sec (kB)	121	121	183	340	208	63.8	121

Percentile	Latency (ms)
0.001	179
0.01	179
0.1	179
1	191
2.5	248
10	348
25	596
50	1228
75	2162
90	3284
97.5	4998
99	6557
99.9	7801
99.99	7801
99.999	7801

Average Latency: 1588.08ms

- **Stdev:** 1291.82ms
- **Max:** 7801ms

Two Users Typing:

Stat	1%	2.5%	50%	97.5%	Avg	Stdev	Min
Req/Sec	21	21	39	125	47.9	28.8	21
Bytes/Sec (kB)	76.9	76.9	143	457	175	105	76.8

Percentile	Latency (ms)
0.001	182
0.01	182
0.1	182
1	189
2.5	196
10	245
25	461
50	1095
75	2300
90	3765

Percentile	Latency (ms)
97.5	5876
99	6967
99.9	8668
99.99	8668
99.999	8668

Average Latency: 1626.68ms

- **Stdev:** 1529.72ms
- **Max:** 8668ms

One User Typing with Throttling

Stat	1%	2.5%	50%	97.5%	Avg	Stdev	Min
Req/Sec	11	11	47	138	54.7	33.42	11
Bytes/Sec (kB)	40.3	40.3	172	505	200	122	40.2

Percentile	Latency (ms)
0.001	166
0.01	166
0.1	166
1	186
2.5	204
10	273
25	453
50	1074
75	2363
90	3817
97.5	4896
99	6165
99.9	8599
99.99	8599
99.999	8599

Average Latency: 1569.54ms

- **Stdev:** 1429.28ms
- **Max:** 8599ms

Two Users Typing with Throttling

Stat	1%	2.5%	50%	97.5%	Avg	Stdev	Min
Req/Sec	48	48	59	194	79.6	45.5	48
Bytes/Sec (kB)	176	176	216	710	291	166	176

Percentile	Latency (ms)
0.001	182
0.01	182
0.1	182

Percentile	Latency (ms)
1	187
2.5	199
10	273
25	405
50	956
75	1710
90	2573
97.5	4151
99	4898
99.9	6958
99.99	6958
99.999	6958

Average Latency: 1245.24ms

- **Stdev:** 1075.39ms
- **Max:** 6958ms

One User Typing (Network Offline with Throttling)

Stat	1%	2.5%	50%	97.5%	Avg	Stdev	Min
Req/Sec	62	62	80	370	118.9	89.25	62
Bytes/Sec (kB)	797	797	2410	36400	7600	10500	797

Percentile	Latency (ms)
0.001	156
0.01	156
0.1	157
1	168
2.5	172
10	191
25	214
50	284
75	890
90	2441
97.5	4126
99	4921
99.9	8299
99.99	8309
99.999	8309

Average Latency: 827.56ms

- **Stdev:** 1114.22ms
- **Max:** 8309ms

Two Users Typing (Network Offline with Throttling)

Stat	1%	2.5%	50%	97.5%	Avg	Stdev	Min
Req/Sec	229	229	334	355	312.9	42.87	229
Bytes/Sec (kB)	16800	26800	39000	41600	36699	5170	26800

Percentile	Latency (ms)
0.001	152
0.01	152
0.1	163
1	171
2.5	177
10	191
25	211
50	254
75	336
90	528
97.5	891
99	1259
99.9	1900
99.99	2347
99.999	2347

Average Latency: 320.4ms

- **Stdev:** 209.07ms
- **Max:** 2347ms

Image Upload

Stat	1%	2.5%	50%	97.5%	Avg	Stdev	Min
Req/Sec	28	28	51	127	57.8	28.37	28
Bytes/Sec (kB)	102	102	201	694	246	162	102

Percentile	Latency (ms)
0.001	186
0.01	186
0.1	186
1	194
2.5	211
10	305
25	462
50	932
75	1811
90	2944
97.5	5119
99	5703
99.9	6969
99.99	6969

Percentile	Latency (ms)
99.999	6969

Average Latency: 1352.01ms

- **Stdev:** 1210.54ms
- **Max:** 6969ms