| App Name | app1 | app1 | app1 | app1 | app1 | app1 | app1 | app1 | app1 | app1 | app1 | app1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Log Status | with LogLess | with LogLess | with LogLess | with LogLess | with LogLess | with LogLess | without logs | without logs | without logs | without logs | without logs | without logs |
| Number of Runs | 100 | 1000 | 2000 | 3000 | 4000 | 5000 | 100 | 1000 | 2000 | 3000 | 4000 | 5000 |
| Max(s) | 0.844 | 0.943 | 1.406 | 1.121 | 1.021 | 1.233 | 1.224 | 1.114 | 0.805 | 1.140 | 1.186 | 1.291 |
| Mean(s) | 0.220 | 0.265 | 0.310 | 0.299 | 0.291 | 0.288 | 0.251 | 0.255 | 0.235 | 0.272 | 0.252 | 0.278 |
| Median(s) | 0.165 | 0.168 | 0.174 | 0.169 | 0.165 | 0.172 | 0.148 | 0.145 | 0.143 | 0.150 | 0.145 | 0.160 |
| Min(s) | 0.146 | 0.142 | 0.148 | 0.153 | 0.150 | 0.154 | 0.120 | 0.127 | 0.131 | 0.135 | 0.125 | 0.134 |
| q25(s) | 0.159 | 0.157 | 0.162 | 0.161 | 0.160 | 0.162 | 0.139 | 0.136 | 0.138 | 0.140 | 0.140 | 0.144 |
| q75(s) | 0.193 | 0.288 | 0.345 | 0.399 | 0.333 | 0.363 | 0.306 | 0.340 | 0.285 | 0.329 | 0.299 | 0.344 |
| std(s) | 0.127 | 0.183 | 0.253 | 0.212 | 0.224 | 0.202 | 0.201 | 0.196 | 0.169 | 0.219 | 0.208 | 0.218 |
| time(s) | 21.989 | 265.482 | 619.646 | 897.382 | 1,162.688 | 1,440.424 | 25.098 | 254.587 | 470.115 | 816.387 | 1,006.103 | 1,388.436 |

| App Name | app2 | app2 | app2 | app2 | app2 | app2 | app2 | app2 | app2 | app2 | app2 | app2 | app2 | app2 | app2 | app2 | app2 | app2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Log Status | with LogLess | with LogLess | with LogLess | with LogLess | with LogLess | with LogLess | without logs | without logs | without logs | without logs | without logs | without logs | manual log | manual log | manual log | manual log | manual log | manual log |
| Number of Runs | 100 | 1000 | 2000 | 3000 | 4000 | 5000 | 100 | 1000 | 2000 | 3000 | 4000 | 5000 | 100 | 1000 | 2000 | 3000 | 4000 | 5000 |
| Max(s) | 0.028 | 0.040 | 0.037 | 0.031 | 0.035 | 0.040 | 0.011 | 0.012 | 0.010 | 0.010 | 0.010 | 0.010 | 0.013 | 0.014 | 0.015 | 0.014 | 0.013 | 0.013 |
| Mean(s) | 0.018 | 0.018 | 0.018 | 0.017 | 0.018 | 0.018 | 0.009 | 0.010 | 0.008 | 0.008 | 0.008 | 0.008 | 0.012 | 0.012 | 0.011 | 0.012 | 0.012 | 0.012 |
| Median(s) | 0.018 | 0.018 | 0.018 | 0.017 | 0.017 | 0.018 | 0.008 | 0.010 | 0.008 | 0.008 | 0.008 | 0.008 | 0.012 | 0.013 | 0.012 | 0.012 | 0.012 | 0.012 |
| Min(s) | 0.017 | 0.017 | 0.017 | 0.016 | 0.017 | 0.017 | 0.008 | 0.008 | 0.007 | 0.007 | 0.007 | 0.007 | 0.013 | 0.014 | 0.014 | 0.014 | 0.013 | 0.013 |
| q25(s) | 0.017 | 0.017 | 0.018 | 0.016 | 0.017 | 0.017 | 0.008 | 0.009 | 0.007 | 0.008 | 0.007 | 0.008 | 0.014 | 0.015 | 0.017 | 0.014 | 0.014 | 0.013 |
| q75(s) | 0.018 | 0.018 | 0.018 | 0.017 | 0.018 | 0.018 | 0.009 | 0.010 | 0.009 | 0.009 | 0.008 | 0.009 | 0.017 | 0.019 | 0.040 | 0.020 | 0.016 | 0.016 |
| std(s) | 0.001 | 0.003 | 0.002 | 0.001 | 0.002 | 0.004 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.004 | 0.001 | 0.001 | 0.001 |
| time(s) | 1.795 | 18.205 | 36.241 | 50.221 | 72.124 | 92.344 | 0.853 | 9.699 | 16.093 | 24.670 | 31.818 | 40.869 | | | | | | |

| App Name | app3 | app3 | app3 | app3 | app3 | app3 | app3 | app3 | app3 | app3 | app3 | app3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Log Status | with LogLess | with LogLess | with LogLess | with LogLess | with LogLess | with LogLess | without logs | without logs | without logs | without logs | without logs | without logs |
| Number of Runs | 100 | 1000 | 2000 | 3000 | 4000 | 5000 | 100 | 1000 | 2000 | 3000 | 4000 | 5000 |
| Max(s) | 0.369 | 0.251 | 0.405 | 0.287 | 0.443 | 0.222 | 0.255 | 0.230 | 0.408 | 0.262 | 0.253 | 0.325 |
| Mean(s) | 0.177 | 0.168 | 0.172 | 0.174 | 0.173 | 0.171 | 0.154 | 0.154 | 0.162 | 0.159 | 0.160 | 0.160 |
| Median(s) | 0.168 | 0.165 | 0.166 | 0.169 | 0.167 | 0.168 | 0.152 | 0.153 | 0.155 | 0.155 | 0.154 | 0.154 |
| Min(s) | 0.137 | 0.136 | 0.132 | 0.142 | 0.140 | 0.141 | 0.124 | 0.119 | 0.124 | 0.123 | 0.127 | 0.124 |
| q25(s) | 0.160 | 0.158 | 0.158 | 0.162 | 0.159 | 0.160 | 0.144 | 0.143 | 0.148 | 0.148 | 0.146 | 0.146 |
| q75(s) | 0.181 | 0.173 | 0.177 | 0.182 | 0.176 | 0.179 | 0.163 | 0.162 | 0.163 | 0.164 | 0.166 | 0.166 |
| std(s) | 0.034 | 0.018 | 0.032 | 0.021 | 0.032 | 0.018 | 0.018 | 0.018 | 0.032 | 0.021 | 0.022 | 0.026 |
| time(s) | 17.657 | 167.509 | 343.813 | 522.427 | 690.345 | 852.814 | 15.403 | 154.488 | 323.513 | 477.671 | 639.223 | 802.417 |

| App Name | app4 | app4 | app4 | app4 | app4 | app4 | app4 | app4 | app4 | app4 | app4 | app4 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Log Status | with LogLess | with LogLess | with LogLess | with LogLess | with LogLess | with LogLess | without logs | without logs | without logs | without logs | without logs | without logs |
| Number of Runs | 100 | 1000 | 2000 | 3000 | 4000 | 5000 | 100 | 1000 | 2000 | 3000 | 4000 | 5000 |
| Max(s) | 0.0213 | 0.0160 | 0.0159 | 0.0180 | 0.0159 | 0.0171 | 0.009 | 0.010 | 0.009 | 0.010 | 0.009 | 0.010 |
| Mean(s) | 0.0148 | 0.0137 | 0.0144 | 0.0138 | 0.0133 | 0.0136 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 |
| Median(s) | 0.0138 | 0.0136 | 0.0143 | 0.0136 | 0.0131 | 0.0135 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 |
| Min(s) | 0.0130 | 0.0126 | 0.0130 | 0.0126 | 0.0123 | 0.0110 | 0.007 | 0.006 | 0.007 | 0.007 | 0.007 | 0.007 |
| q25(s) | 0.0135 | 0.0132 | 0.0141 | 0.0132 | 0.0128 | 0.0132 | 0.008 | 0.008 | 0.008 | 0.007 | 0.007 | 0.008 |
| q75(s) | 0.0166 | 0.0142 | 0.0147 | 0.0141 | 0.0136 | 0.0139 | 0.008 | 0.009 | 0.008 | 0.008 | 0.008 | 0.008 |
| std(s) | 0.0018 | 0.0007 | 0.0005 | 0.0010 | 0.0006 | 0.0010 | 0.000 | 0.001 | 0.000 | 0.001 | 0.000 | 0.001 |
| time(s) | 1.4766 | 13.7441 | 28.7793 | 41.5357 | 53.0424 | 68.1525 | 0.801 | 8.331 | 16.159 | 23.737 | 30.590 | 40.235 |

| App Name | app5 | app5 | app5 | app5 | app5 | app5 | app5 | app5 | app5 | app5 | app5 | app5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Log Status | with LogLess | with LogLess | with LogLess | with LogLess | with LogLess | with LogLess | without logs | without logs | without logs | without logs | without logs | without logs |
| Number of Runs | 100 | 1000 | 2000 | 3000 | 4000 | 5000 | 100 | 1000 | 2000 | 3000 | 4000 | 5000 |
| Max(s) | 0.0174 | 0.0147 | 0.0134 | 0.0125 | 0.0161 | 0.0166 | 0.011 | 0.010 | 0.009 | 0.010 | 0.009 | 0.010 |
| Mean(s) | 0.0131 | 0.0126 | 0.0119 | 0.0113 | 0.0118 | 0.0120 | 0.009 | 0.009 | 0.008 | 0.008 | 0.008 | 0.008 |
| Median(s) | 0.0124 | 0.0126 | 0.0119 | 0.0113 | 0.0116 | 0.0119 | 0.009 | 0.009 | 0.008 | 0.008 | 0.008 | 0.008 |
| Min(s) | 0.0112 | 0.0114 | 0.0112 | 0.0107 | 0.0107 | 0.0110 | 0.008 | 0.008 | 0.007 | 0.007 | 0.007 | 0.007 |
| q25(s) | 0.0122 | 0.0122 | 0.0115 | 0.0110 | 0.0113 | 0.0115 | 0.009 | 0.008 | 0.008 | 0.007 | 0.007 | 0.008 |
| q75(s) | 0.0143 | 0.0129 | 0.0122 | 0.0115 | 0.0120 | 0.0124 | 0.009 | 0.009 | 0.008 | 0.008 | 0.008 | 0.008 |
| std(s) | 0.0015 | 0.0006 | 0.0004 | 0.0004 | 0.0009 | 0.0008 | 0.001 | 0.000 | 0.001 | 0.001 | 0.000 | 0.000 |
| time(s) | 1.3130 | 12.5948 | 23.7910 | 33.9844 | 47.1714 | 60.1841 | 0.897 | 8.603 | 16.110 | 24.210 | 31.651 | 40.415 |