# Performance cyclonedds
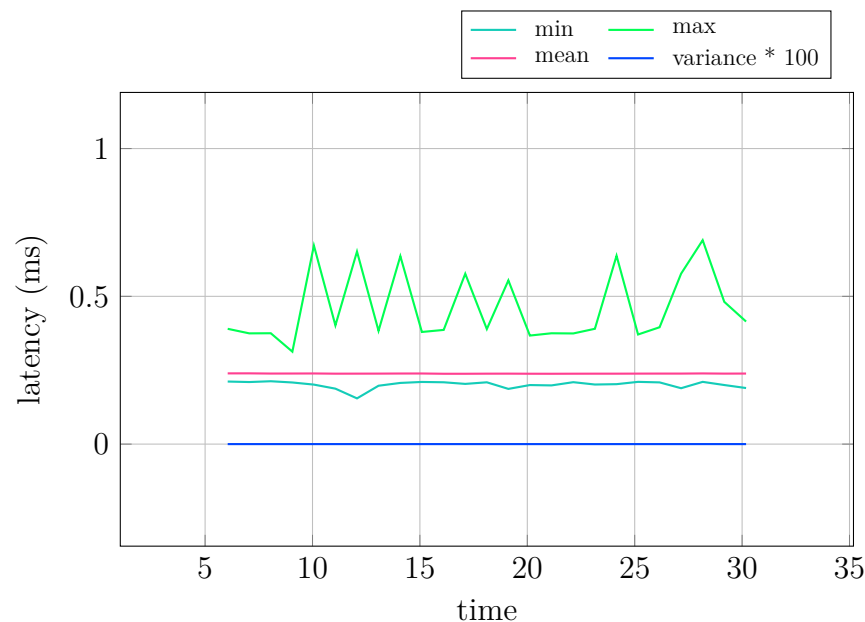
Latencies
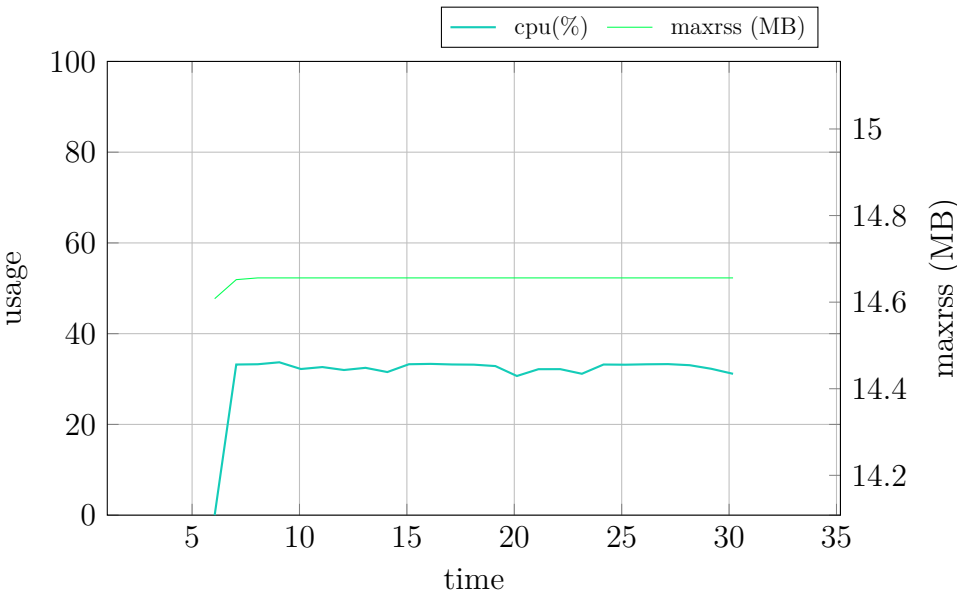


Resource usage ([man getrusage](man getrusage))

| **test setup** | |
| --- | --- |
| Performance Test Version | |
| Publishing rate | 0 |
| Topic name | Array16k |
| Number of publishers | 1 |
| Number of subscribers | 3 |
| Maximum runtime (sec) | 30 |
| DDS domain id | 0 |
| Single participant | - |

| **average results** | |
| --- | --- |
| Experiment Status | success |
| T_loop | 1.0059 |
| received | 595865.44 |
| sent | 421720.96 |
| lost | 669296.24 |
| relative_loss | 1.5864 |
| data_received | 9772221290.68 |
| latency_min (ms) | 0.2012 |
| latency_max (ms) | 0.4622 |
| latency_mean (ms) | 0.2385 |
| latency_variance (ms) | 0.0 |
| pub_loop_res_min (ms) | -18118.76 |
| pub_loop_res_max (ms) | 9223000000000.0 |
| pub_loop_res_mean (ms) | 4612000000000.0 |
| pub_loop_res_variance (ms) | 2.127e+22 |
| sub_loop_res_min (ms) | 0.0 |
| sub_loop_res_max (ms) | 0.0 |
| sub_loop_res_mean (ms) | 0.0 |
| sub_loop_res_variance (ms) | 0.0 |
| cpu_usage (%) | 31.2952 |
| max_ram_usage (MB) | 14.66 |

| **environment** | |
| --- | --- |
| Ignore seconds from beginning | 5 |
| Memory check enabled | 0 |
| Msg name | Array16k |
| QOS Durability | VOLATILE |
| QOS History depth | 100 |
| QOS History kind | KEEP_LAST |
| QOS Reliability | RELIABLE |
| QOS Sync. pub/sub | 0 |
| RMW Implementation | rmw_cyclonedds_cpp |
| Roundtrip Mode | NONE |
| With security | 0 |
| Zero copy transfer | 0 |