# Performance cyclonedds
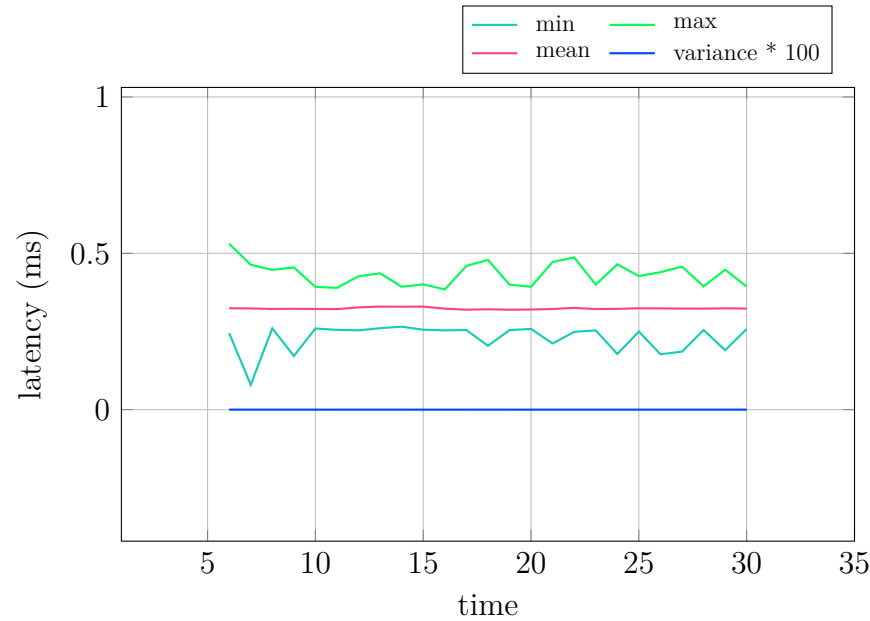
Latencies
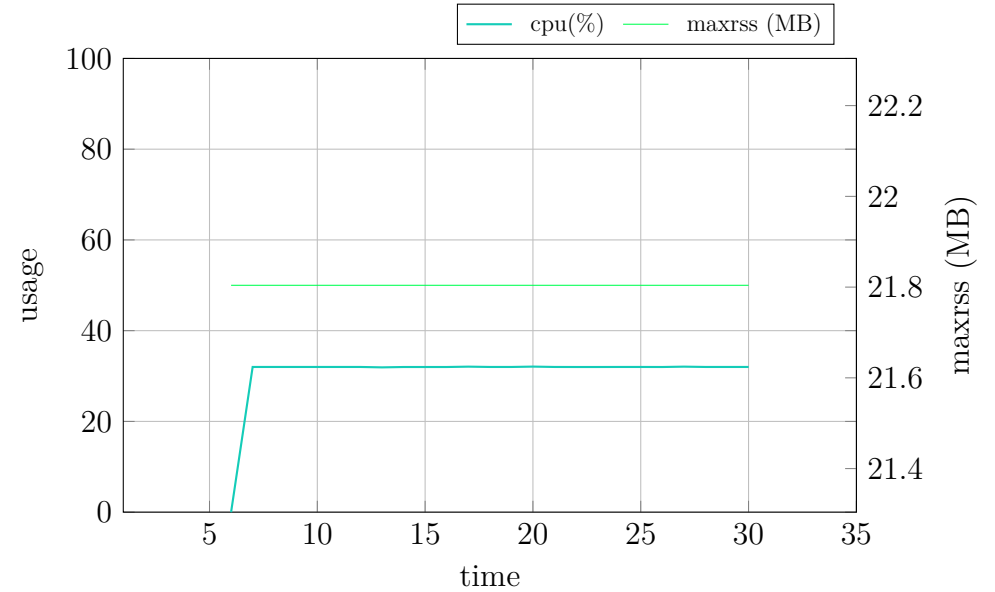


Resource usage (man getrusage)

| test setup | | average results | | environment | |
|---|---|---|---|---|---|
| Performance Test Version | 2113db4 | Experiment Status | success | Ignore seconds from beginning | 5 |
| Publishing rate | 0 | T_loop | 1.0001 | Memory check enabled | 0 |
| Topic name | Array16k | received | 675496.0 | Msg name | Array16k |
| Number of publishers | 1 | sent | 309879.48 | QOS Durability | VOLATILE |
| Number of subscribers | 3 | lost | 254141.28 | QOS History depth | 100 |
| Maximum runtime (sec) | 30 | relative_loss | 0.82 | QOS History kind | KEEP_LAST |
| DDS domain id | 0 | data_received | 11078155332.44 | QOS Reliability | RELIABLE |
| Single participant | - | latency_min (ms) | 0.2295 | QOS Sync. pub/sub | 0 |
| | | latency_max (ms) | 0.4333 | RMW Implementation | rmw_cyclonedds_cpp |
| | | latency_mean (ms) | 0.3235 | Roundtrip Mode | NONE |
| | | latency_variance (ms) | 0.0 | With security | 0 |
| | | pub_loop_res_min (ms) | -18007.04 | Zero copy transfer | 0 |
| | | 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 (%) | 30.7223 | | |
| | | max_ram_usage (MB) | 21.8 | | |