# Performance cyclonedds
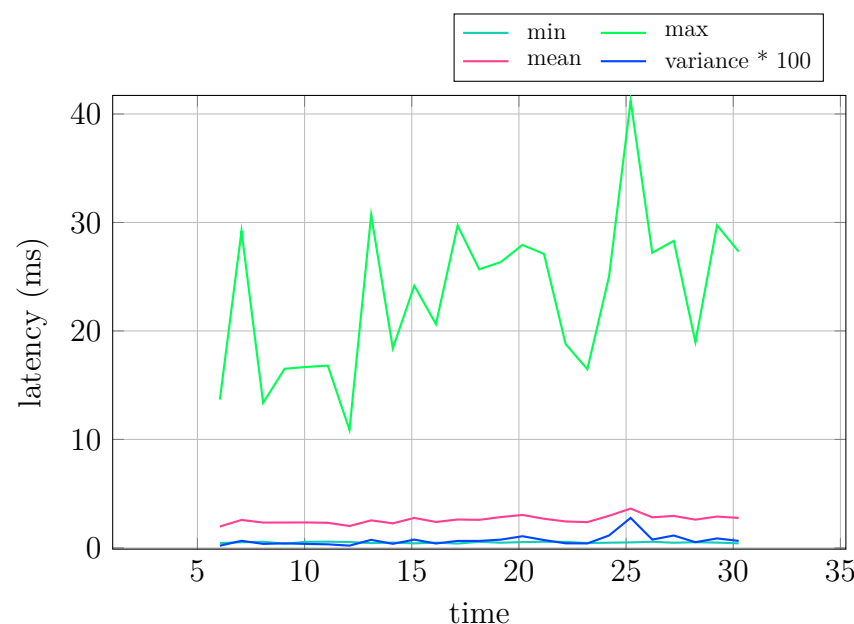
Latencies
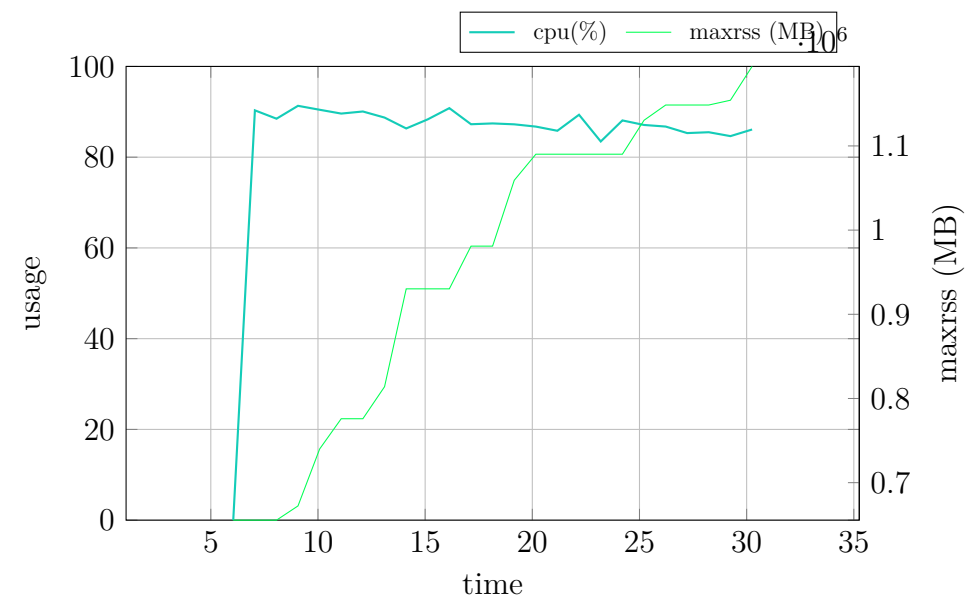


Resource usage ([man getrusage](#))

| test setup | | average results | | environment | |
|---|---|---|---|---|---|
| Performance Test Version | 2fc8cc2-dirty | Experiment Status | success | Ignore seconds from beginning | 5 |
| Publishing rate | 0 | T_loop | 1.0085 | Memory check enabled | 0 |
| Topic name | Array2m | received | 9684.52 | Msg name | Array2m |
| Number of publishers | 1 | sent | 968.48 | QOS Durability | VOLATILE |
| Number of subscribers | 10 | lost | 0.0 | QOS History depth | 100 |
| Maximum runtime (sec) | 30 | relative_loss | 0.0 | QOS History kind | KEEP_LAST |
| DDS domain id | 0 | data_received | 20322200243.16 | QOS Reliability | RELIABLE |
| Single participant | - | latency_min (ms) | 0.4967 | QOS Sync. pub/sub | 0 |
| | | latency_max (ms) | 23.2336 | RMW Implementation | rmw_cyclonedds_cpp |
| | | latency_mean (ms) | 2.6011 | Roundtrip Mode | NONE |
| | | latency_variance (ms) | 0.0069 | With security | 0 |
| | | pub_loop_res_min (ms) | -18217.88 | Zero copy transfer | 0 |
| | | pub_loop_res_max (ms) | 9223000000000.0 | | |
| | | pub_loop_res_mean (ms) | 4612040000000.0 | | |
| | | 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 (%) | 84.2104 | | |
| | | max_ram_usage (MB) | 1194426.37 | | |