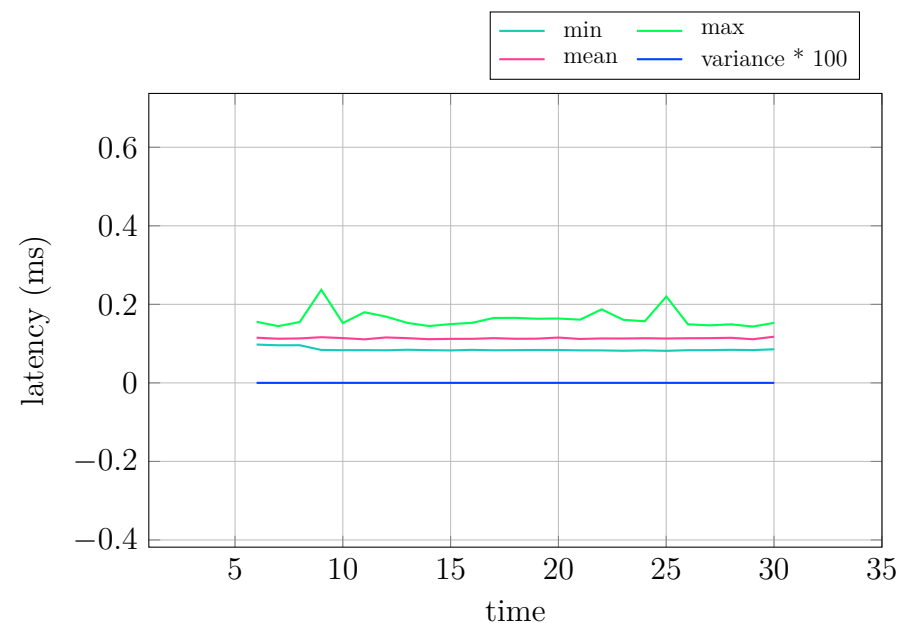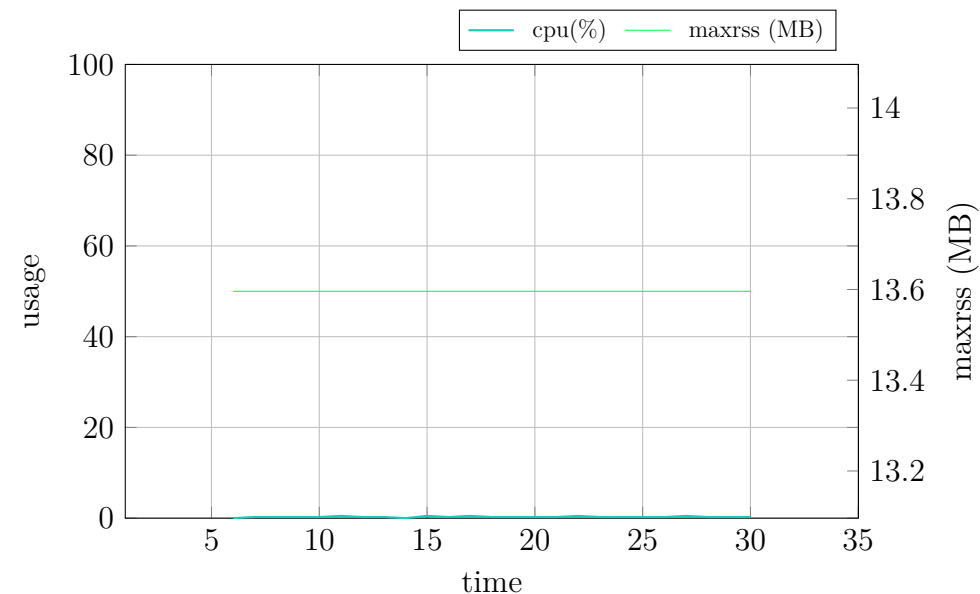# Performance cyclonedds

| | |
|---|---|
| Logfile name | 897f2ba3-c34f-4a23-8368-6b9875ddb222.csv |
| Experiment id | ce54a17a-8ebd-4791-b18f-5dfb83860e99 |
| Communication mean | RCLCPP_SINGLE_THREADED_EXECUTOR |



Latencies



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

| test setup | | | average results | | | environment | |
|---|---|---|---|---|---|---|---|
| Performance Test Version | 2113db4 | | Experiment Status | success | | Ignore seconds from beginning | 5 |
| Publishing rate | 20 | | T_loop | 1.0001 | | Memory check enabled | 0 |
| Topic name | Struct16 | | received | 57.0 | | Msg name | Struct16 |
| Number of publishers | 1 | | sent | 19.0 | | QOS Durability | VOLATILE |
| Number of subscribers | 3 | | 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 | 1917.0 | | QOS Reliability | RELIABLE |
| Single participant | - | | latency_min (ms) | 0.0849 | | QOS Sync. pub/sub | 0 |
| | | | latency_max (ms) | 0.1631 | | RMW Implementation | rmw_cyclonedds_cpp |
| | | | latency_mean (ms) | 0.1135 | | Roundtrip Mode | NONE |
| | | | latency_variance (ms) | 0.0 | | With security | 0 |
| | | | pub_loop_res_min (ms) | 49.8168 | | Zero copy transfer | 0 |
| | | | pub_loop_res_max (ms) | 49.8456 | | | |
| | | | pub_loop_res_mean (ms) | 49.8336 | | | |
| | | | pub_loop_res_variance (ms) | 0.0 | | | |
| | | | 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 (%) | 0.2799 | | | |
| | | | max_ram_usage (MB) | 13.6 | | | |