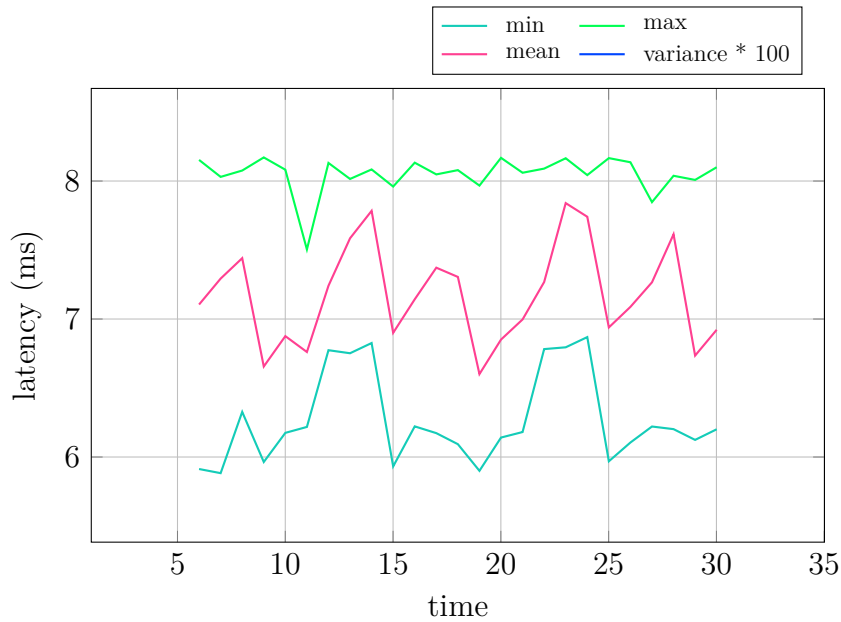
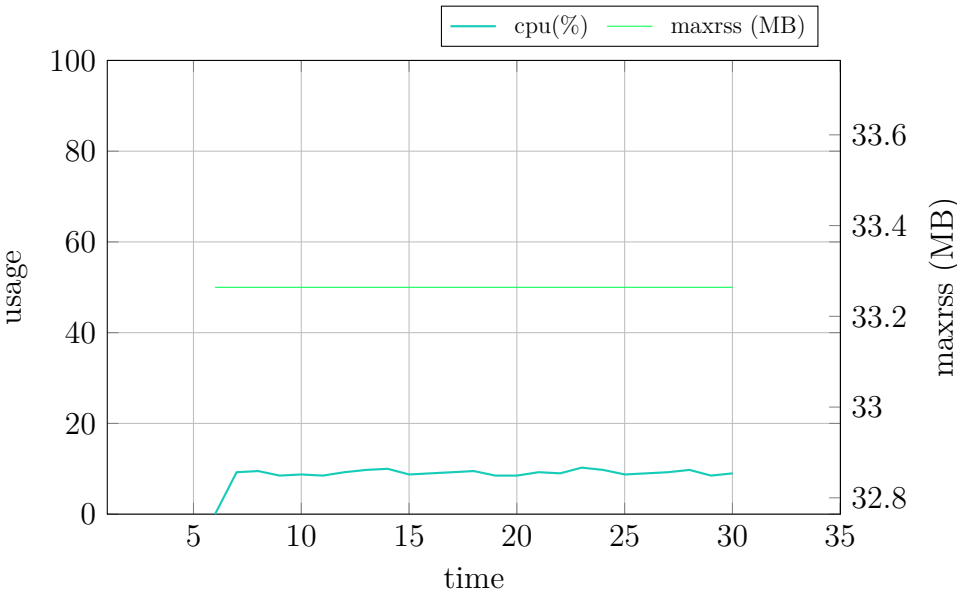


# Performance cyclonedds

|                    |  |
|--------------------|--|
| Logfile name       | 941dc9d8-07b8-4e00-903f-01f7d97b2fdb.csv |
| Experiment id      | 9968dc65-1fb5-43a0-975a-22e19decd309     |
| Communication mean | RCLCPP_SINGLE_THREADED_EXECUTOR          |



Latencies



Resource usage ([man getrusage](#))

## test setup

|                          |         |
|--------------------------|---------|
| Performance Test Version | 2113db4 |
| Publishing rate          | 20      |
| Topic name               | Array2m |
| 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                     | 1.0002       |
| received                   | 57.0         |
| sent                       | 19.0         |
| lost                       | 0.0          |
| relative_loss              | 0.0          |
| data_received              | 125778259.92 |
| latency_min (ms)           | 6.2697       |
| latency_max (ms)           | 8.0502       |
| latency_mean (ms)          | 7.173        |
| latency_variance (ms)      | 0.0003       |
| pub_loop_res_min (ms)      | 47.6396      |
| pub_loop_res_max (ms)      | 48.2128      |
| pub_loop_res_mean (ms)     | 47.968       |
| 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 (%)              | 8.7764       |
| max_ram_usage (MB)         | 33.26        |

## environment

|                               |                    |
|-------------------------------|--------------------|
| Ignore seconds from beginning | 5                  |
| Memory check enabled          | 0                  |
| Msg name                      | Array2m            |
| 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                  |