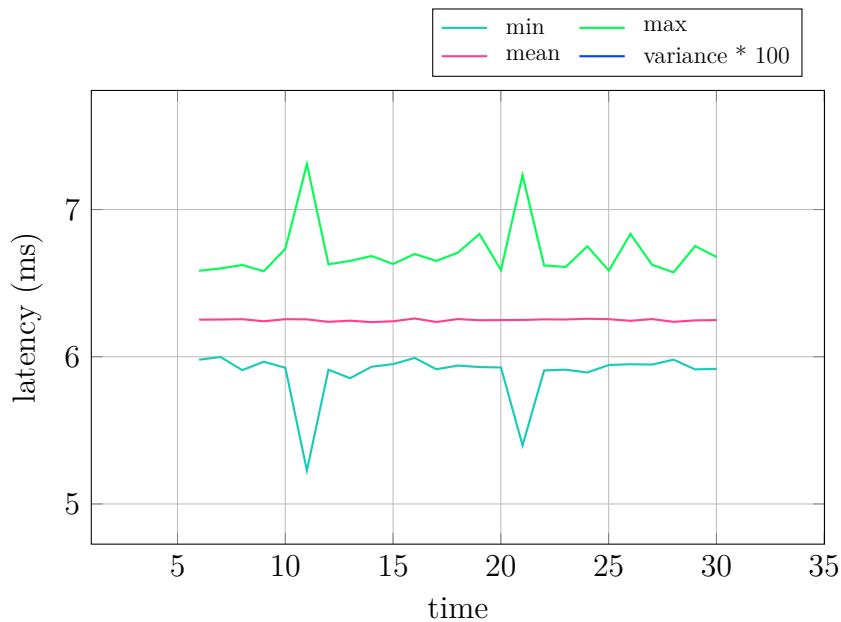
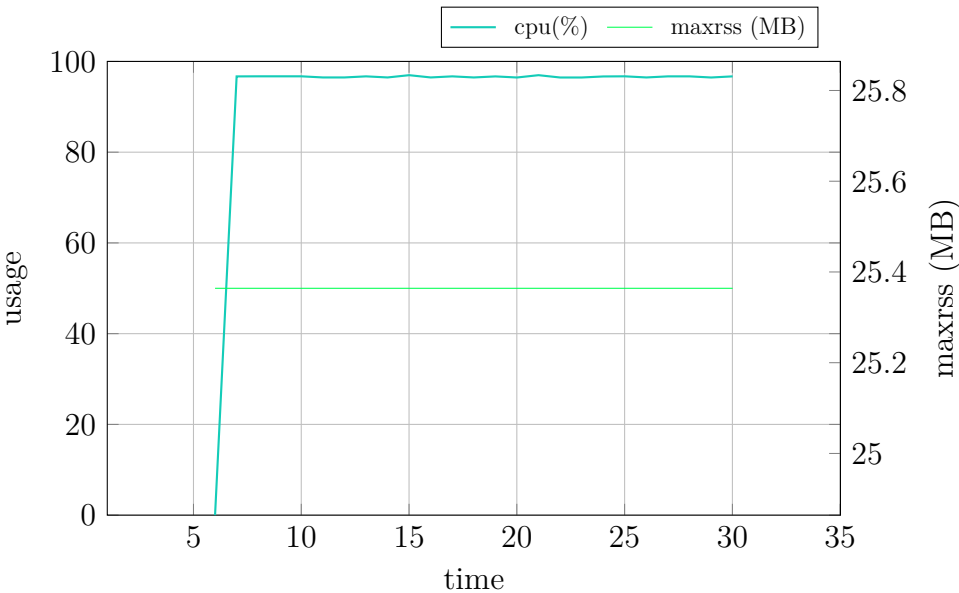


# Performance cyclonedds

|                    |  |
|--------------------|--|
| Logfile name       | 0254479a-254c-492e-a49e-098e5e2a0803.csv |
| Experiment id      | f8be56eb-bfd7-488a-b614-71adfe889e4e     |
| Communication mean | RCLCPP_SINGLE_THREADED_EXECUTOR          |



Latencies



Resource usage ([man getrusage](#))

test setup

|                          |              |
|--------------------------|--------------|
| Performance Test Version | 2113db4      |
| Publishing rate          | 500          |
| Topic name               | PointCloud1m |
| 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                     | 1.0001        |
| received                   | 952.44        |
| sent                       | 317.44        |
| lost                       | 0.0           |
| relative_loss              | 0.0           |
| data_received              | 1003828692.56 |
| latency_min (ms)           | 5.8848        |
| latency_max (ms)           | 6.7104        |
| latency_mean (ms)          | 6.2488        |
| latency_variance (ms)      | 0.0           |
| pub_loop_res_min (ms)      | -6550.12      |
| pub_loop_res_max (ms)      | -6188.0       |
| pub_loop_res_mean (ms)     | -6368.8       |
| pub_loop_res_variance (ms) | 10.9968       |
| 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 (%)              | 92.7648       |
| max_ram_usage (MB)         | 25.36         |

environment

|                               |                    |
|-------------------------------|--------------------|
| Ignore seconds from beginning | 5                  |
| Memory check enabled          | 0                  |
| Msg name                      | PointCloud1m       |
| 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                  |