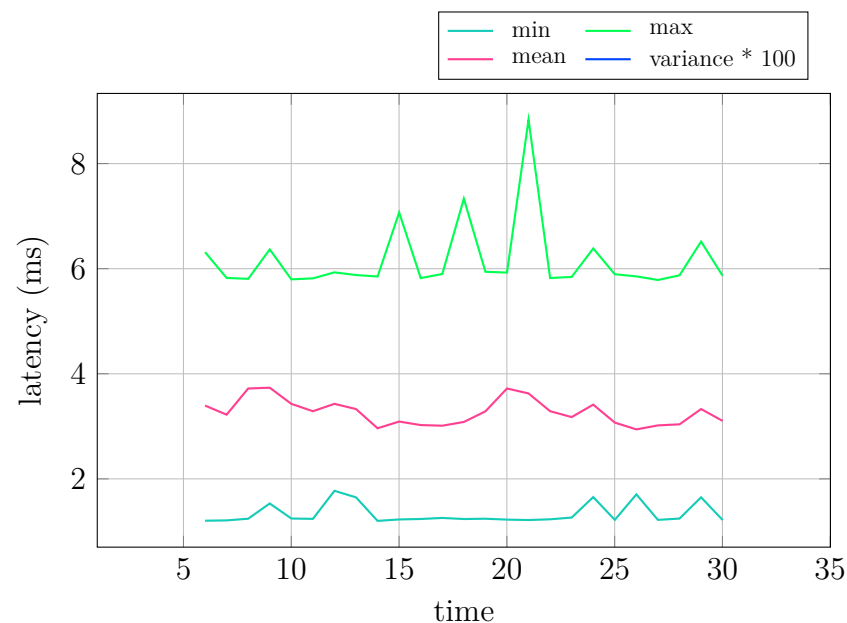
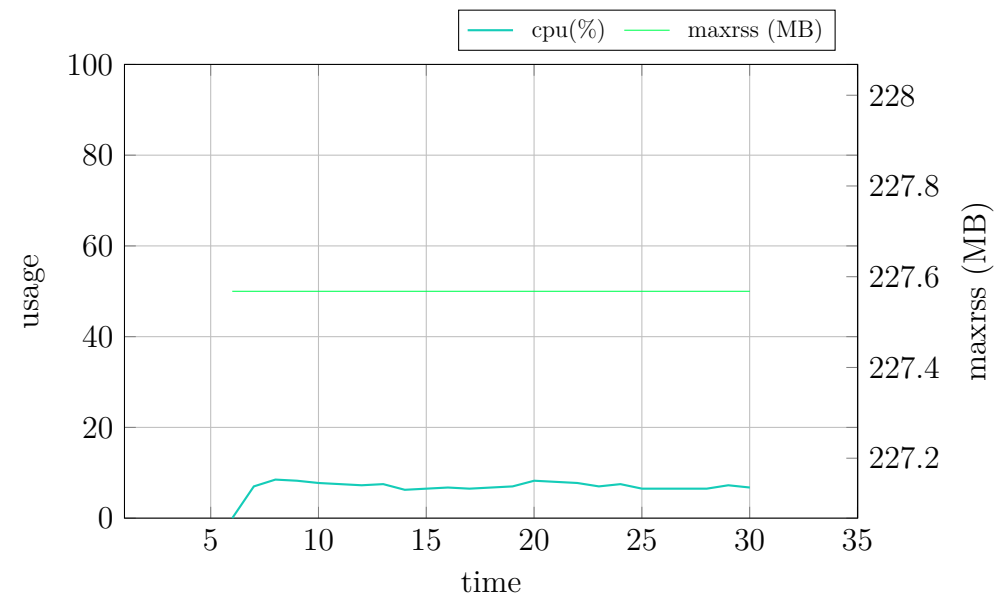


# Performance cyclonedds

|                    |  |
|--------------------|--|
| Logfile name       | 5216543c-0b73-4fa7-b6f9-f241a745d99e.csv |
| Experiment id      | d48fbfc5-725b-4775-a9b1-7424f316139b     |
| Communication mean | RCLCPP_SINGLE_THREADED_EXECUTOR          |



Latencies



Resource usage ([man getrusage](#))

## test setup

|                          |           |
|--------------------------|-----------|
| Performance Test Version | 2113db4   |
| Publishing rate          | 20        |
| Topic name               | Struct32k |
| Number of publishers     | 0         |
| Number of subscribers    | 10        |
| Maximum runtime (sec)    | 30        |
| DDS domain id            | 0         |
| Single participant       | -         |

## average results

|                            |             |
|----------------------------|-------------|
| Experiment Status          | success     |
| T_loop                     | 1.0001      |
| received                   | 190.0       |
| sent                       | 0.0         |
| lost                       | 0.0         |
| relative_loss              | nan         |
| data_received              | 13540970.44 |
| latency_min (ms)           | 1.3337      |
| latency_max (ms)           | 6.1699      |
| latency_mean (ms)          | 3.2691      |
| latency_variance (ms)      | 0.0014      |
| pub_loop_res_min (ms)      | inf         |
| pub_loop_res_max (ms)      | -inf        |
| pub_loop_res_mean (ms)     | 0.0         |
| 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 (%)              | 6.8776      |
| max_ram_usage (MB)         | 227.57      |

## environment

|                               |                    |
|-------------------------------|--------------------|
| Ignore seconds from beginning | 5                  |
| Memory check enabled          | 0                  |
| Msg name                      | Struct32k          |
| 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                  |