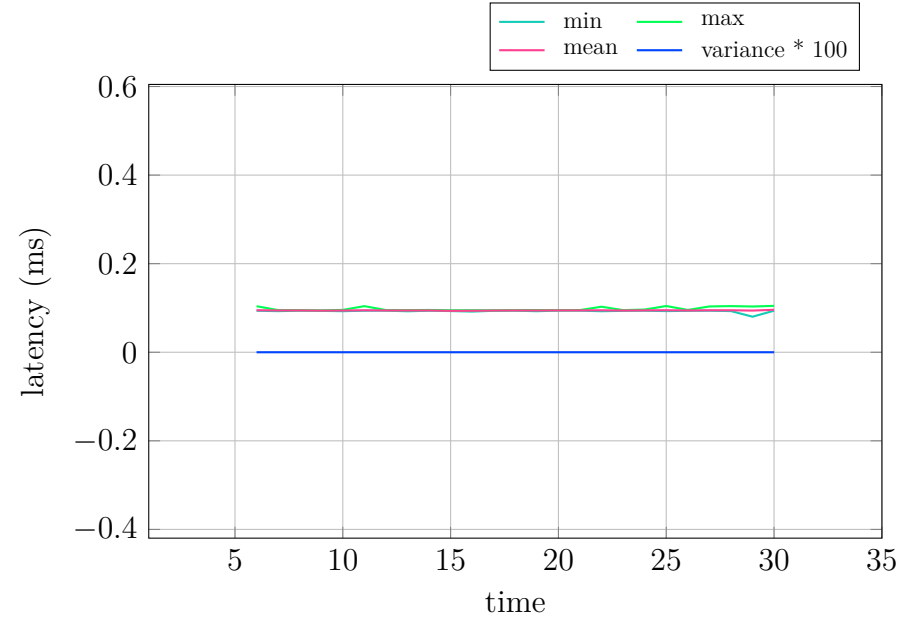
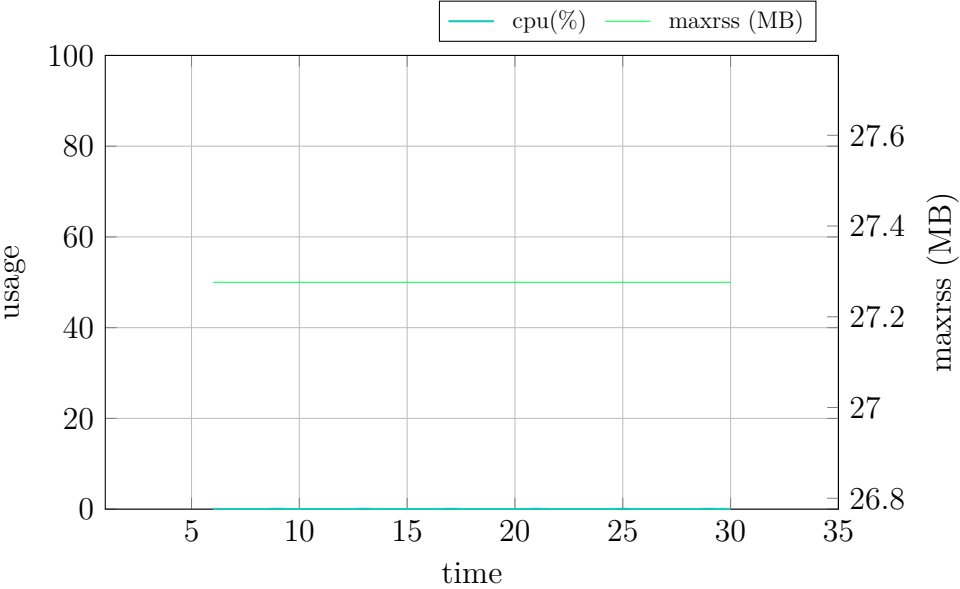


# Performance fastrtps

|                    |  |
|--------------------|--|
| Logfile name       | 8a3b82db-d2e1-4b39-a059-b976c93f684e.csv |
| Experiment id      | 223423f8-0909-4a5e-bef1-eb7fe81c6fb4     |
| Communication mean | RCLCPP_SINGLE_THREADED_EXECUTOR          |



Latencies



Resource usage ([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               | Array16k | received                   | 19.0      | Msg name                      | Array16k         |
| Number of publishers     | 1        | sent                       | 19.0      | QOS Durability                | VOLATILE         |
| Number of subscribers    | 1        | 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              | 327955.32 | QOS Reliability               | RELIABLE         |
| Single participant       | -        | latency_min (ms)           | 0.0929    | QOS Sync. pub/sub             | 0                |
|                          |          | latency_max (ms)           | 0.0979    | RMW Implementation            | rmw_fastrtps_cpp |
|                          |          | latency_mean (ms)          | 0.0944    | Roundtrip Mode                | NONE             |
|                          |          | latency_variance (ms)      | 0.0       | With security                 | 0                |
|                          |          | pub_loop_res_min (ms)      | 49.8996   | Zero copy transfer            | 0                |
|                          |          | pub_loop_res_max (ms)      | 49.92     |                               |                  |
|                          |          | pub_loop_res_mean (ms)     | 49.9      |                               |                  |
|                          |          | 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 (%)              | 0.0197    |                               |                  |
|                          |          | max_ram_usage (MB)         | 27.28     |                               |                  |