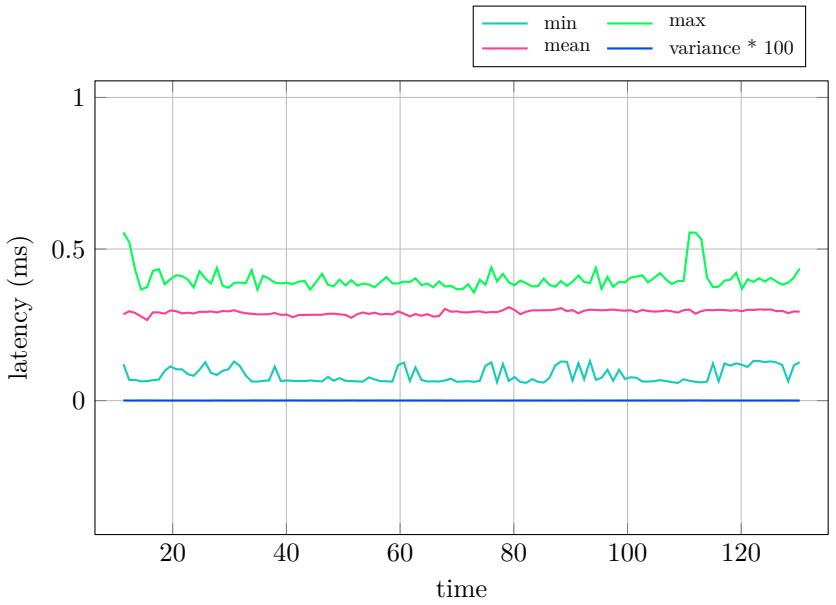
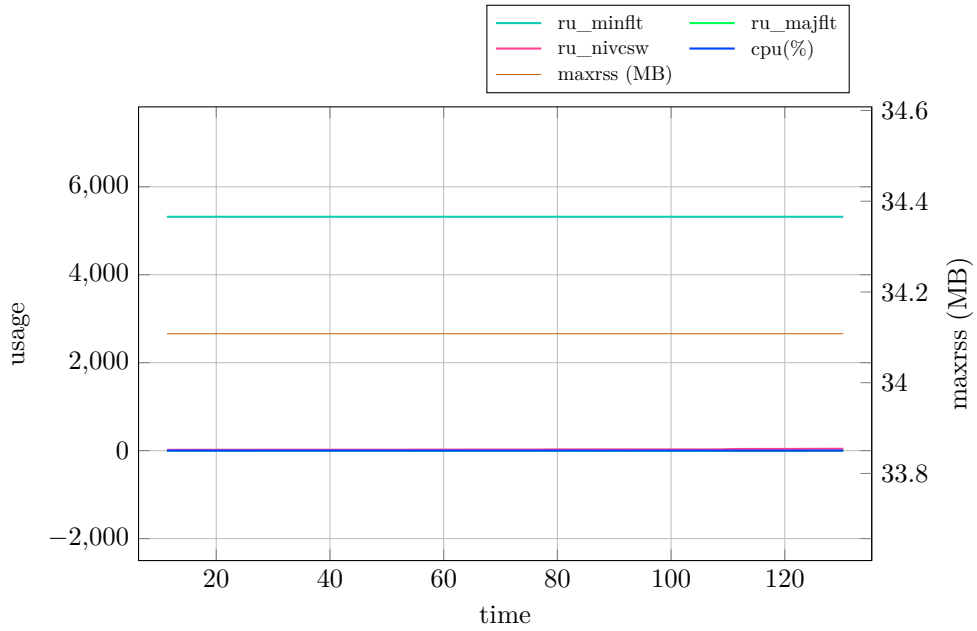
# Performance

| | |
|---|---|
| Logfile name | log_test_topic_01-12-2020_10-05-59 |
| Experiment id | f25e39a0-2b29-49f5-ada1-ec87c9e64bfc |
| Communication mean | ROS2 |




Latencies




Resource usage (man getrusage)

**test setup**

| | |
|---|---|
| Performance Test Version | 80ff298 |
| Publishing rate | 50 |
| Topic name | test_topic |
| Number of publishers | 1 |
| Number of subscribers | 5 |
| Maximum runtime (sec) | 130 |
| DDS domain id | 0 |
| Single participant | - |

**average results**

| | |
|---|---|
| Experiment Status | success |
| T_loop | 1.0253 |
| received | 247.5043 |
| sent | 49.4786 |
| lost | 0.0 |
| relative_loss | 0.0 |
| data_received | 4100002.0427 |
| latency_min (ms) | 0.0841 |
| latency_max (ms) | 0.3999 |
| latency_mean (ms) | 0.2917 |
| latency_variance (ms) | 0.0 |
| pub_loop_res_min (ms) | 19.4379 |
| pub_loop_res_max (ms) | 19.8728 |
| pub_loop_res_mean (ms) | 19.5351 |
| 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 (%) | 0.7115 |

**environment**

| | |
|---|---|
| Ignore seconds from beginning | 10 |
| Memory check enabled | 0 |
| Msg name | Array16k |
| QOS Durability | VOLATILE |
| QOS History depth | 1 |
| QOS History kind | KEEP_LAST |
| QOS Reliability | BEST_EFFORT |
| QOS Sync. pub/sub | 0 |
| RMW Implementation | rmw_fastrtps_cpp |
| Roundtrip Mode | NONE |
| With security | 0 |