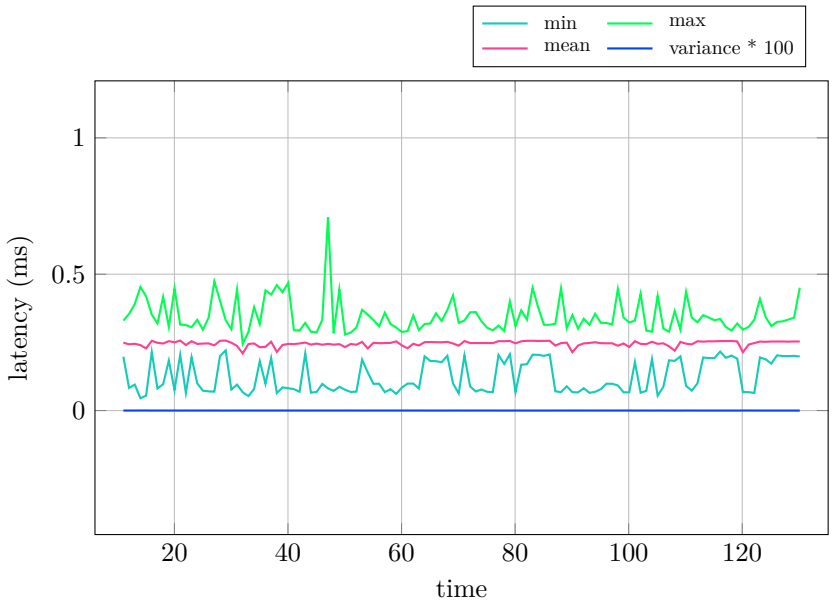
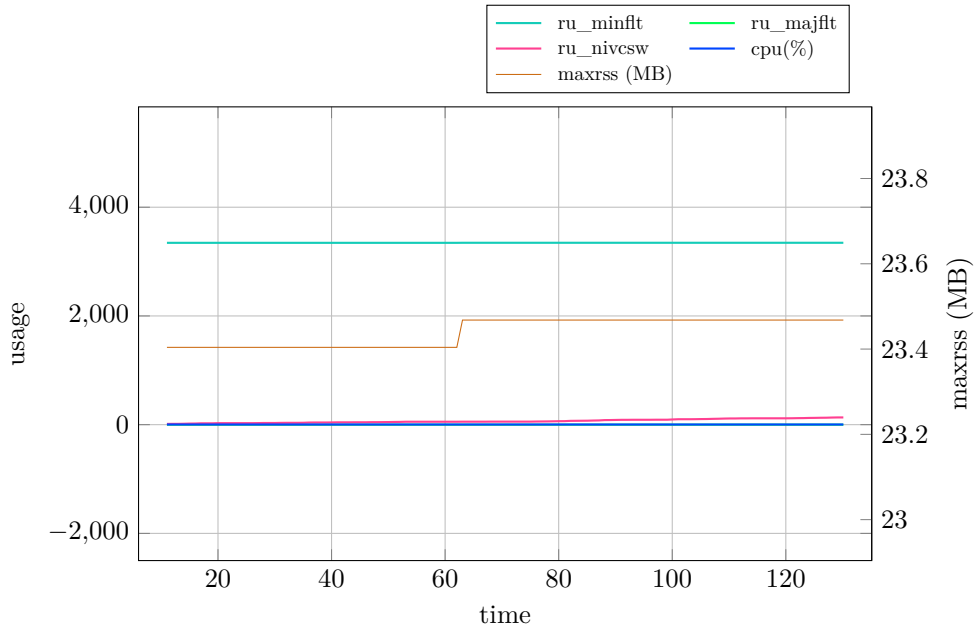
# Performance

| | |
|---|---|
| Logfile name | log_test_topic_30-11-2020_03-24-31 |
| Experiment id | ca52b78e-ff13-46f1-b586-f0b210b60ef0 |
| Communication mean | ROS2 |




Latencies




Resource usage (man getrusage)

**test setup**

| | |
|---|---|
| Performance Test Version | 80ff298 |
| Publishing rate | 1000 |
| Topic name | test_topic |
| Number of publishers | 1 |
| Number of subscribers | 1 |
| Maximum runtime (sec) | 130 |
| DDS domain id | 0 |
| Single participant | - |

**average results**

| | |
|---|---|
| Experiment Status | success |
| T_loop | 1.0007 |
| received | 999.475 |
| sent | 999.475 |
| lost | 0.0 |
| relative_loss | 0.0 |
| data_received | 32783952.1917 |
| latency_min (ms) | 0.1225 |
| latency_max (ms) | 0.3469 |
| latency_mean (ms) | 0.2458 |
| latency_variance (ms) | 0.0 |
| pub_loop_res_min (ms) | 0.7408 |
| pub_loop_res_max (ms) | 0.9185 |
| pub_loop_res_mean (ms) | 0.8316 |
| 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 (%) | 3.1531 |

**environment**

| | |
|---|---|
| Ignore seconds from beginning | 10 |
| Memory check enabled | 0 |
| Msg name | Array32k |
| QOS Durability | VOLATILE |
| QOS History depth | 1000 |
| QOS History kind | KEEP_ALL |
| QOS Reliability | BEST_EFFORT |
| QOS Sync. pub/sub | 0 |
| RMW Implementation | rmw_ecal_dynamic_cpp |
| Roundtrip Mode | NONE |
| With security | 0 |