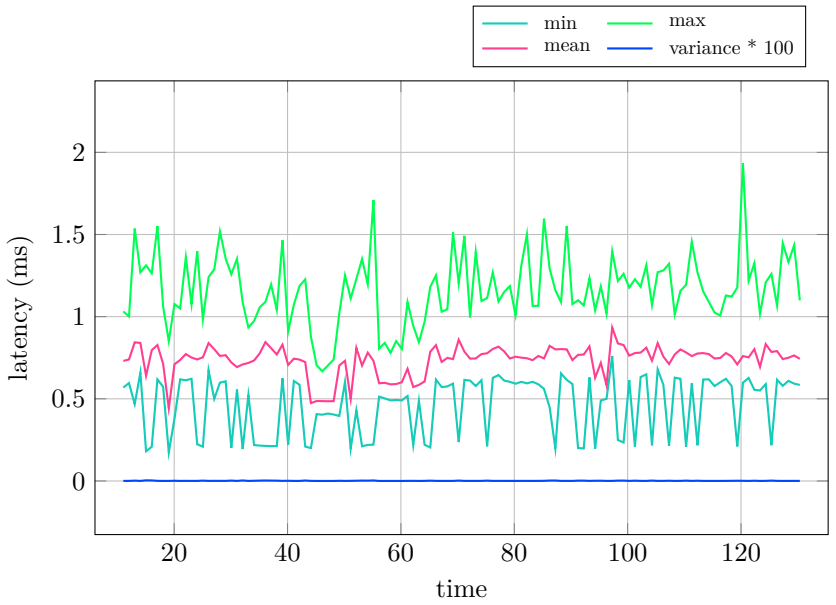
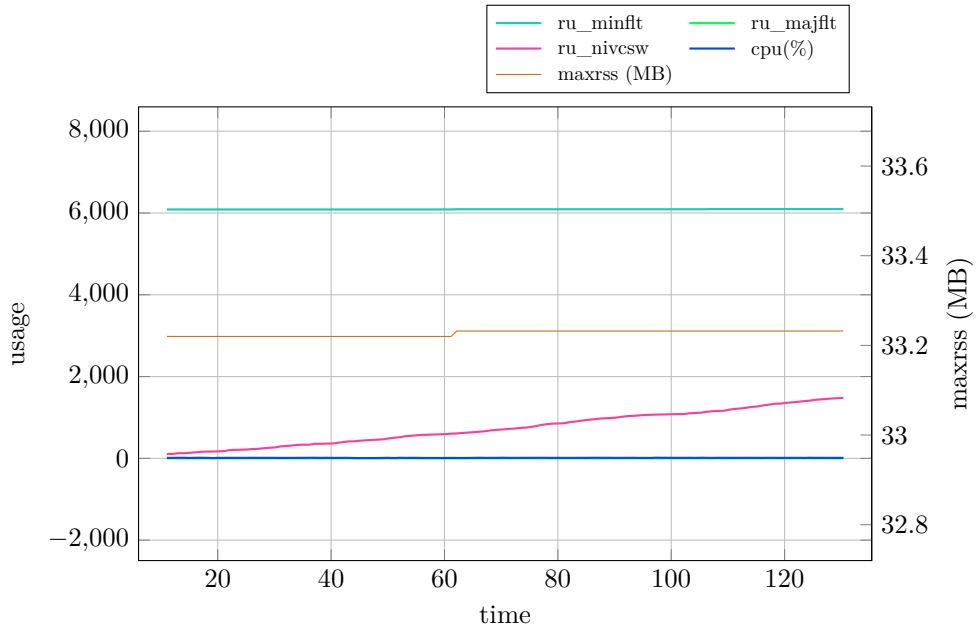
# Performance

| | |
|---|---|
| Logfile name | log_test_topic_27-11-2020_13-49-15 |
| Experiment id | 3517aaeb-4a4e-4fd1-ba16-f373cebf0e15 |
| 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 | 3 |
| Maximum runtime (sec) | 130 |
| DDS domain id | 0 |
| Single participant | - |

**average results**

| | |
|---|---|
| Experiment Status | success |
| T_loop | 1.0026 |
| received | 2998.65 |
| sent | 999.5583 |
| lost | 0.0 |
| relative_loss | 0.0 |
| data_received | 1574259890.0667 |
| latency_min (ms) | 0.4613 |
| latency_max (ms) | 1.165 |
| latency_mean (ms) | 0.7358 |
| latency_variance (ms) | 0.0 |
| pub_loop_res_min (ms) | 0.5048 |
| pub_loop_res_max (ms) | 0.7793 |
| pub_loop_res_mean (ms) | 0.663 |
| 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 (%) | 12.0078 |

**environment**

| | |
|---|---|
| Ignore seconds from beginning | 10 |
| Memory check enabled | 0 |
| Msg name | PointCloud512k |
| 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 |