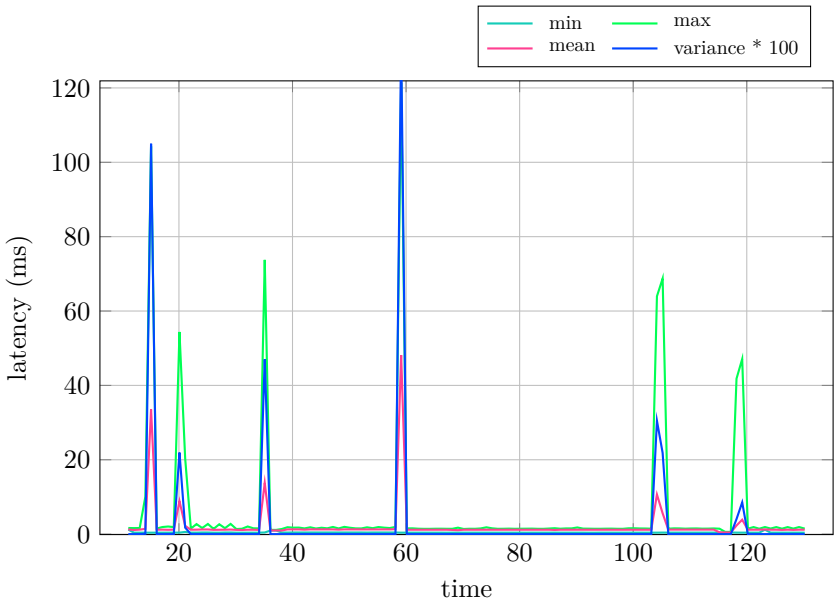
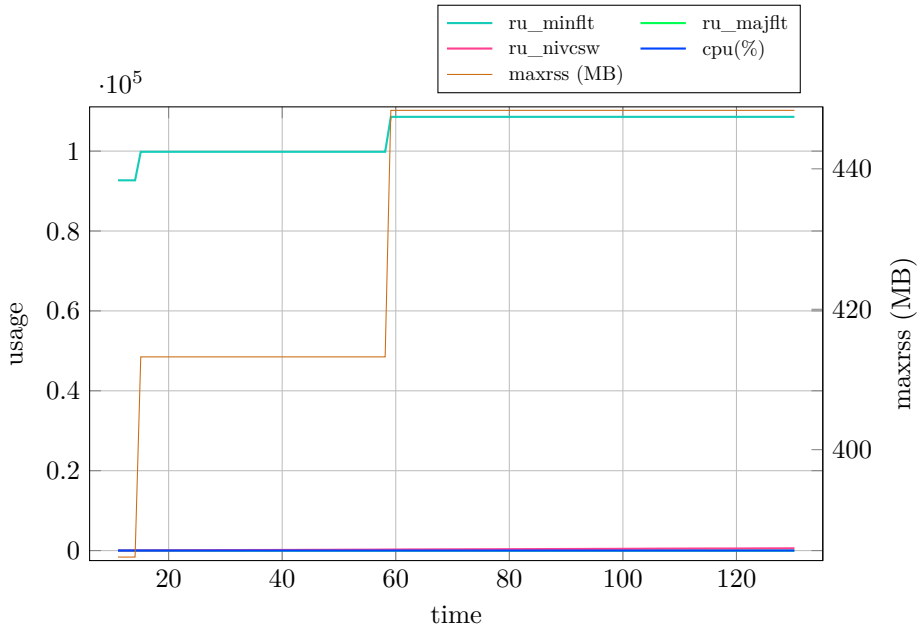
# Performance

| | |
|---|---|
| Logfile name | log_test_topic_30-11-2020_05-14-04 |
| Experiment id | aff8d3ea-a495-4227-ba8e-9c0ab3dc154c |
| 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 | 1.0008 |
| received | 999.5833 |
| sent | 999.5833 |
| lost | 0.0 |
| relative_loss | 0.0 |
| data_received | 2097613050.175 |
| latency_min (ms) | 0.4291 |
| latency_max (ms) | 6.5125 |
| latency_mean (ms) | 2.1669 |
| latency_variance (ms) | 0.0312 |
| pub_loop_res_min (ms) | -0.3485 |
| pub_loop_res_max (ms) | 0.7774 |
| pub_loop_res_mean (ms) | 0.487 |
| pub_loop_res_variance (ms) | 0.0002 |
| 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 (%) | 10.396 |

**environment**

| | |
|---|---|
| Ignore seconds from beginning | 10 |
| Memory check enabled | 0 |
| Msg name | PointCloud2m |
| QOS Durability | VOLATILE |
| QOS History depth | 1000 |
| QOS History kind | KEEP_ALL |
| QOS Reliability | BEST_EFFORT |
| QOS Sync. pub/sub | 0 |
| RMW Implementation | rmw_fastrtps_cpp |
| Roundtrip Mode | NONE |
| With security | 0 |