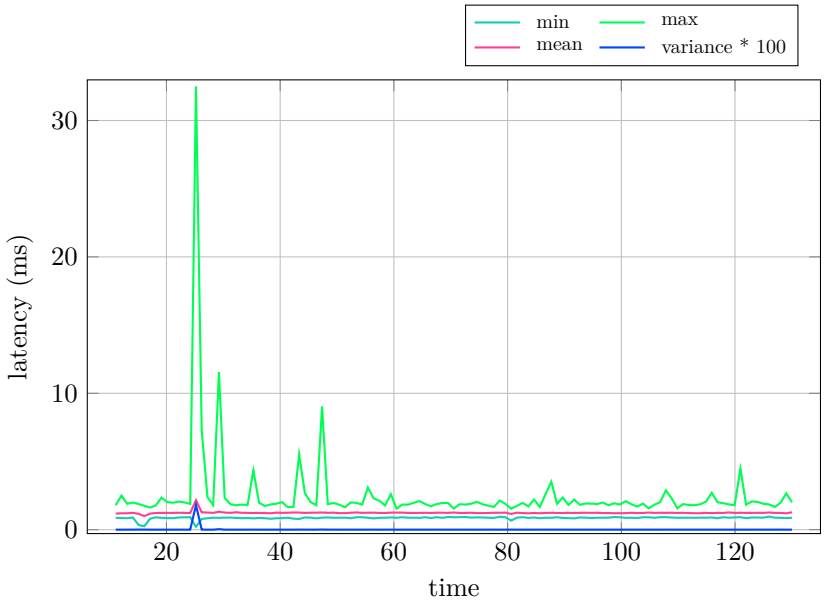
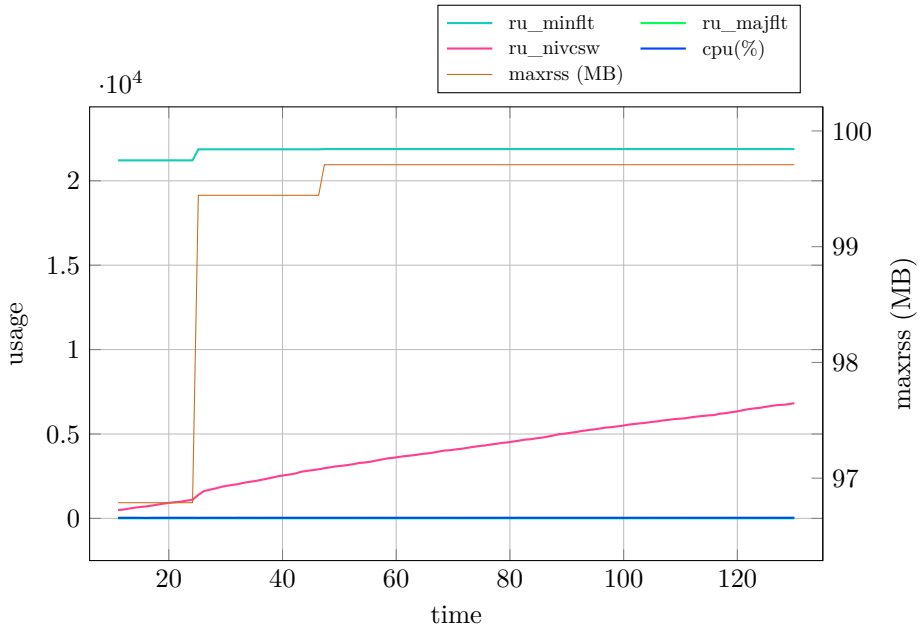
# Performance

| | |
|---|---|
| Logfile name | log_test_topic_29-11-2020_22-59-38 |
| Experiment id | af488480-700c-4d45-97d6-b40ece0fb59e |
| Communication mean | ROS2 |




Latencies




Resource usage (man getrusage)

**test setup**

| | |
|---|---|
| Performance Test Version | 80ff298 |
| Publishing rate | 500 |
| Topic name | test_topic |
| Number of publishers | 1 |
| Number of subscribers | 10 |
| Maximum runtime (sec) | 130 |
| DDS domain id | 0 |
| Single participant | - |

**average results**

| | |
|---|---|
| Experiment Status | success |
| T_loop | 1.0077 |
| received | 4995.084 |
| sent | 499.521 |
| lost | 0.0 |
| relative_loss | 0.0 |
| data_received | 338641849.1513 |
| latency_min (ms) | 0.86 |
| latency_max (ms) | 2.4816 |
| latency_mean (ms) | 1.2374 |
| latency_variance (ms) | 0.0002 |
| pub_loop_res_min (ms) | 1.0185 |
| pub_loop_res_max (ms) | 1.5758 |
| pub_loop_res_mean (ms) | 1.504 |
| pub_loop_res_variance (ms) | 0.0001 |
| 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 (%) | 34.3897 |

**environment**

| | |
|---|---|
| Ignore seconds from beginning | 10 |
| Memory check enabled | 0 |
| Msg name | Struct32k |
| 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 |