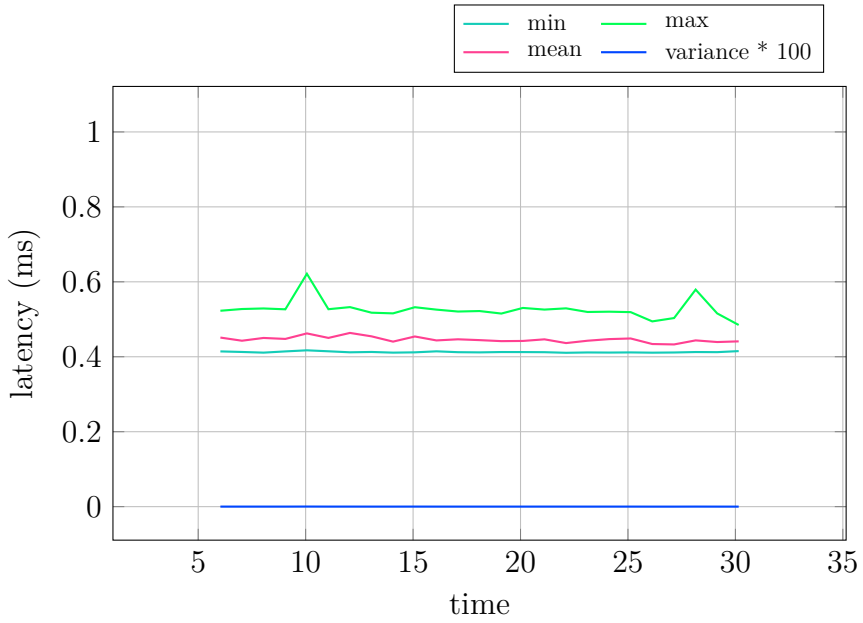
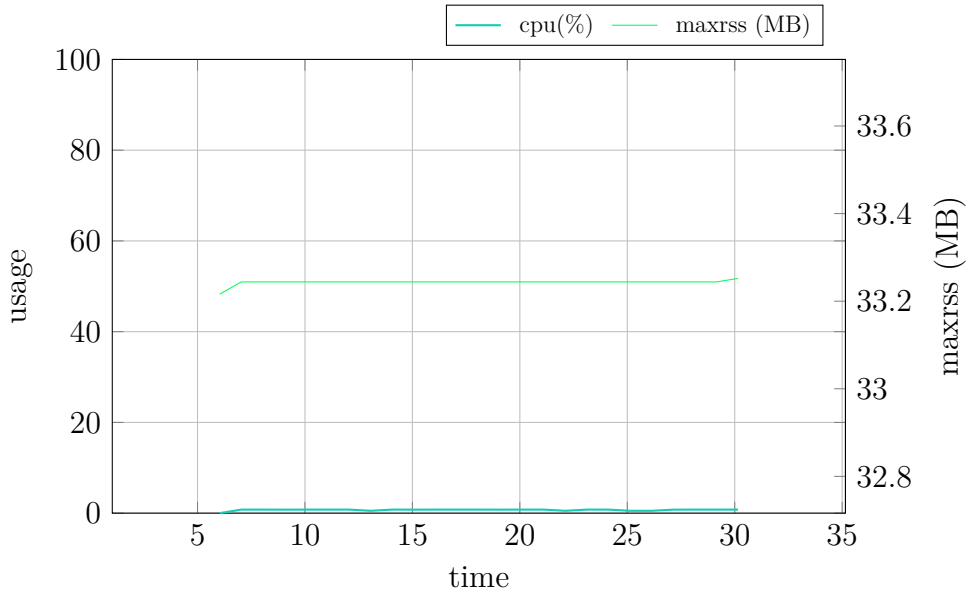
# Performance fastrtps

| | |
|---|---|
| Logfile name | ef48f9d6-235e-4100-b796-de7e35607119.csv |
| Experiment id | 194bab13-68c0-4952-9cd7-ae1b2d3b0e3b |
| Communication mean | RCLCPP_SINGLE_THREADED_EXECUTOR |




Latencies




Resource usage (man getrusage)

**test setup**

| | |
|---|---|
| Performance Test Version | |
| Publishing rate | 20 |
| Topic name | Struct32k |
| Number of publishers | 1 |
| Number of subscribers | 1 |
| Maximum runtime (sec) | 30 |
| DDS domain id | 0 |
| Single participant | - |

**average results**

| | |
|---|---|
| Experiment Status | success |
| T_loop | 1.005 |
| received | 19.08 |
| sent | 19.08 |
| lost | 0.0 |
| relative_loss | 0.0 |
| data_received | 1353203.64 |
| latency_min (ms) | 0.4126 |
| latency_max (ms) | 0.5263 |
| latency_mean (ms) | 0.4459 |
| latency_variance (ms) | 0.0 |
| pub_loop_res_min (ms) | 34.2644 |
| pub_loop_res_max (ms) | 48.1128 |
| pub_loop_res_mean (ms) | 41.2176 |
| pub_loop_res_variance (ms) | 0.02 |
| 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 (%) | 0.7048 |
| max_ram_usage (MB) | 33.25 |

**environment**

| | |
|---|---|
| Ignore seconds from beginning | 5 |
| Memory check enabled | 0 |
| Msg name | Struct32k |
| QOS Durability | VOLATILE |
| QOS History depth | 100 |
| QOS History kind | KEEP_LAST |
| QOS Reliability | RELIABLE |
| QOS Sync. pub/sub | 0 |
| RMW Implementation | rmw_fastrtps_cpp |
| Roundtrip Mode | NONE |
| With security | 0 |
| Zero copy transfer | 0 |