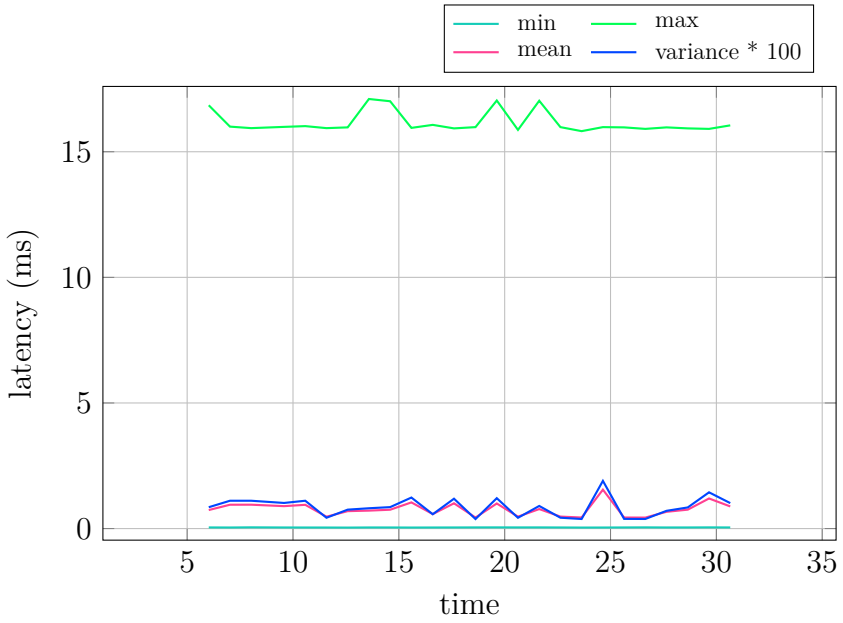
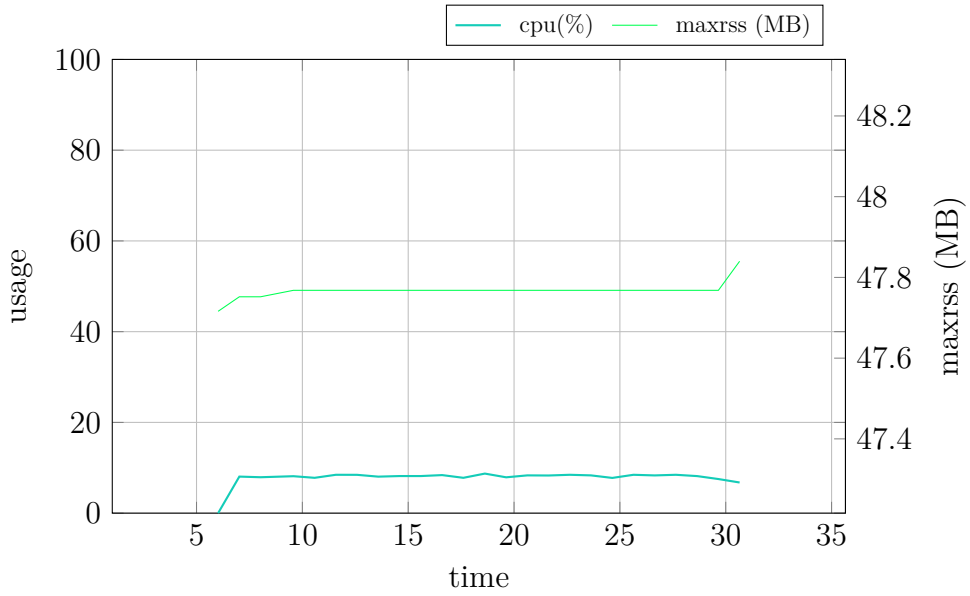
# Performance fastrtps

| | |
|---|---|
| Logfile name | dd949b03-823a-4075-bea7-2013119eb644.csv |
| Experiment id | 23e6cd4c-463f-49bd-87b4-46850599f442 |
| Communication mean | RCLCPP_SINGLE_THREADED_EXECUTOR |




Latencies




Resource usage (man getrusage)

**test setup**

| | |
|---|---|
| Performance Test Version | |
| Publishing rate | 500 |
| Topic name | Array16k |
| Number of publishers | 0 |
| Number of subscribers | 10 |
| Maximum runtime (sec) | 30 |
| DDS domain id | 0 |
| Single participant | - |

**average results**

| | |
|---|---|
| Experiment Status | success |
| T_loop | 1.0039 |
| received | 4951.2 |
| sent | 0.0 |
| lost | 0.0 |
| data_received | 81282317.2 |
| latency_min (ms) | 0.0442 |
| latency_max (ms) | 16.1684 |
| latency_mean (ms) | 0.7706 |
| latency_variance (ms) | 0.0086 |
| pub_loop_res_min (ms) | inf |
| pub_loop_res_max (ms) | -inf |
| pub_loop_res_mean (ms) | 0.0 |
| 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 (%) | 7.793 |
| max_ram_usage (MB) | 47.84 |

**environment**

| | |
|---|---|
| Ignore seconds from beginning | 5 |
| Memory check enabled | 0 |
| Msg name | Array16k |
| 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 |