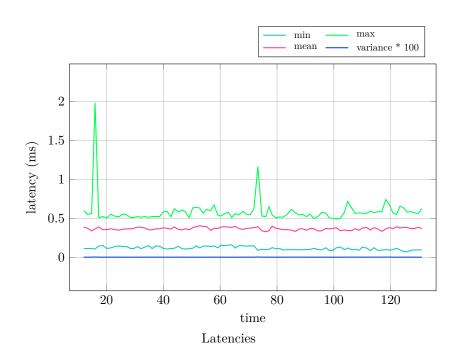
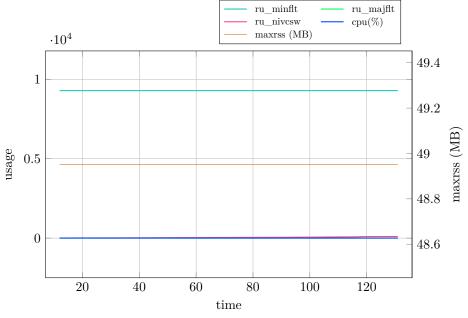
Performance

 Logfile name
 log_test_topic_28-11-2020_20-56-17

 Experiment id
 25855dee-6e3b-40c4-82d7-72cbe712432d

 Communication mean
 ROS2





Resource usage (man getrusage)

test setup

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

average results

| T_loop 1.3064 received 95.1196 sent 9.5109 lost 0.0 relative_loss 0.0 data_received 847056.4891 latency_min (ms) 0.5866 latency_mean (ms) 0.3673 latency_wariance (ms) 0.0 pub_loop_res_min (ms) 99.4542 pub_loop_res_max (ms) 99.9041 pub_loop_res_wariance (ms) 0.0 sub_loop_res_max (ms) 0.0 sub_loop_res_max (ms) 0.0 sub_loop_res_max (ms) 0.0 sub_loop_res_wariance (ms) 0.0 sub_loop_res_variance (ms) 0.0 cpu_usage (%) 2.1676 | Experiment Status | success |
|--|----------------------------|-------------|
| sent 9.5109 lost 0.0 relative_loss 0.0 data_received 847056.4891 latency_min (ms) 0.1164 latency_max (ms) 0.5866 latency_wariance (ms) 0.0 pub_loop_res_min (ms) 99.452 pub_loop_res_max (ms) 99.9041 pub_loop_res_mean (ms) 99.6041 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 sub_loop_res_variance (ms) 0.0 | T loop | 1.3064 |
| lost 0.0 relative_loss 0.0 data_received 847056.4891 latency_min (ms) 0.1164 latency_max (ms) 0.5866 latency_weariance (ms) 0.0 pub_loop_res_min (ms) 99.4542 pub_loop_res_max (ms) 99.9041 pub_loop_res_mean (ms) 99.6041 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 sub_loop_res_variance (ms) 0.0 | received | 95.1196 |
| relative_loss | sent | 9.5109 |
| data_received 847056.4891 latency_min (ms) 0.1164 latency_max (ms) 0.5866 latency_mean (ms) 0.3673 latency_variance (ms) 0.0 pub_loop_res_min (ms) 99.4542 pub_loop_res_max (ms) 99.9041 pub_loop_res_mean (ms) 99.6041 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 | lost | 0.0 |
| latency_min (ms) 0.1164 latency_max (ms) 0.5866 latency_mean (ms) 0.3673 latency_variance (ms) 0.0 pub_loop_res_min (ms) 99.4542 pub_loop_res_max (ms) 99.9041 pub_loop_res_mean (ms) 99.6041 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 sub_loop_res_variance (ms) 0.0 | relative_loss | 0.0 |
| latency_max (ms) 0.5866 latency_mean (ms) 0.3673 latency_variance (ms) 0.0 pub_loop_res_min (ms) 99.4542 pub_loop_res_max (ms) 99.9041 pub_loop_res_mean (ms) 99.6041 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 | data_received | 847056.4891 |
| latency_mean (ms) 0.3673 latency_variance (ms) 0.0 pub_loop_res_min (ms) 99.4542 pub_loop_res_max (ms) 99.9041 pub_loop_res_mean (ms) 99.6041 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 | latency_min (ms) | 0.1164 |
| latency_variance (ms) 0.0 pub_loop_res_min (ms) 99.4542 pub_loop_res_max (ms) 99.9041 pub_loop_res_mean (ms) 99.6041 pub_loop_res_variance (ms) 0.0 sub_loop_res_min (ms) 0.0 sub_loop_res_max (ms) 0.0 sub_loop_res_wariance (ms) 0.0 sub_loop_res_variance (ms) 0.0 | latency_max (ms) | 0.5866 |
| pub_loop_res_min (ms) 99.4542 pub_loop_res_max (ms) 99.9041 pub_loop_res_mean (ms) 99.6041 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 | latency_mean (ms) | 0.3673 |
| pub_loop_res_max (ms) 99.9041 pub_loop_res_mean (ms) 99.6041 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 | latency_variance (ms) | 0.0 |
| pub_loop_res_mean (ms) 99.6041 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 | pub_loop_res_min (ms) | 99.4542 |
| 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 | pub_loop_res_max (ms) | 99.9041 |
| 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 | pub_loop_res_mean (ms) | 99.6041 |
| sub_loop_res_max (ms) 0.0 sub_loop_res_mean (ms) 0.0 sub_loop_res_variance (ms) 0.0 | pub_loop_res_variance (ms) | 0.0 |
| sub_loop_res_mean (ms)0.0sub_loop_res_variance (ms)0.0 | sub_loop_res_min (ms) | 0.0 |
| sub_loop_res_variance (ms) 0.0 | sub_loop_res_max (ms) | 0.0 |
| | sub_loop_res_mean (ms) | 0.0 |
| cpu_usage (%) 2.1676 | sub_loop_res_variance (ms) | 0.0 |
| | cpu_usage (%) | 2.1676 |

environment

| Ignore seconds from beginning | 10 |
|-------------------------------|------------------|
| Memory check enabled | 0 |
| Msg name | Struct4k |
| QOS Durability | VOLATILE |
| QOS History depth | 1000 |
| QOS History kind | KEEP_ALL |
| QOS Reliability | BEST_EFFORT |
| QOS Sync. pub/sub | C |
| RMW Implementation | rmw_fastrtps_cpp |
| Roundtrip Mode | NONE |
| With security | C |
| | |