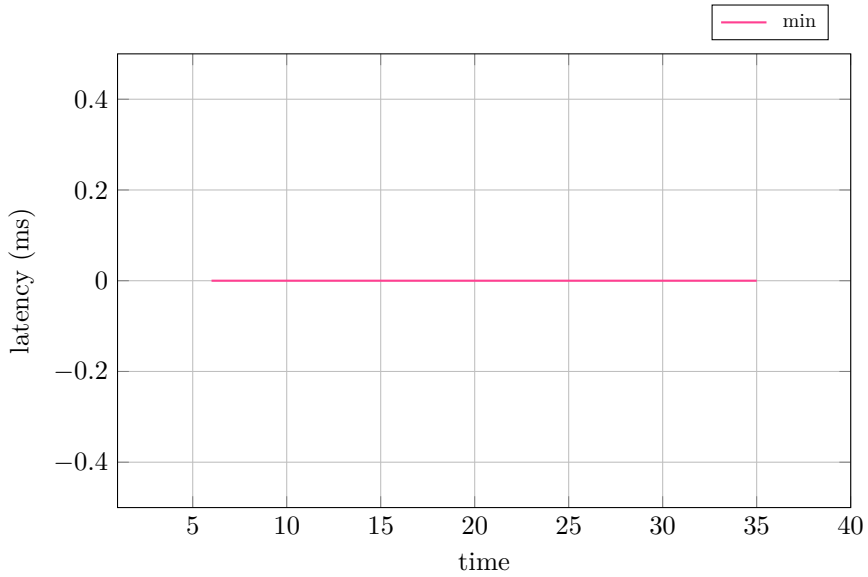
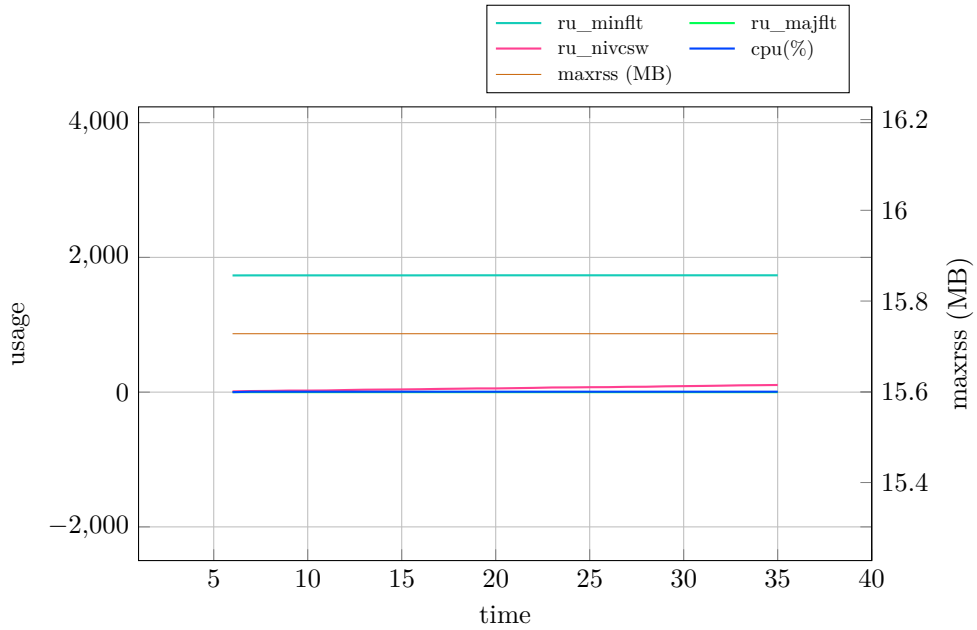
# Performance

| | |
|---|---|
| Logfile name | logs/interhost_relay_Array16k_100.csv |
| Experiment id | bcb39a51-1ab5-48b0-bc70-b4f95a1f3a8b |
| Communication mean | RCLCPP_SINGLE_THREADED_EXECUTOR |




Latencies




Resource usage (man getrusage)

**test setup**

| | |
|---|---|
| Performance Test Version | df0e7a3 |
| Publishing rate | 100 |
| Topic name | Array16k |
| Number of publishers | 1 |
| Number of subscribers | 1 |
| Maximum runtime (sec) | 35 |
| DDS domain id | 0 |
| Single participant | - |

**average results**

| | |
|---|---|
| Experiment Status | success |
| T_loop | 1.0001 |
| received | 0.0 |
| sent | 0.0 |
| lost | 0.0 |
| relative_loss | nan |
| data_received | 0.0 |
| latency_min (ms) | inf |
| latency_max (ms) | -inf |
| latency_mean (ms) | 0.0 |
| latency_variance (ms) | nan |
| pub_loop_res_min (ms) | 5701300000.0 |
| pub_loop_res_max (ms) | 5993333333.3333 |
| pub_loop_res_mean (ms) | 5847200000.0 |
| pub_loop_res_variance (ms) | 7109300000000.0 |
| 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 (%) | 6.1139 |

**environment**

| | |
|---|---|
| Ignore seconds from beginning | 5 |
| Memory check enabled | 0 |
| Msg name | Array16k |
| QOS Durability | VOLATILE |
| QOS History depth | 16 |
| QOS History kind | KEEP_LAST |
| QOS Reliability | RELIABLE |
| QOS Sync. pub/sub | 0 |
| RMW Implementation | rmw_cyclonedds_cpp |
| Roundtrip Mode | RELAY |
| With security | 0 |
| Zero copy transfer | 0 |