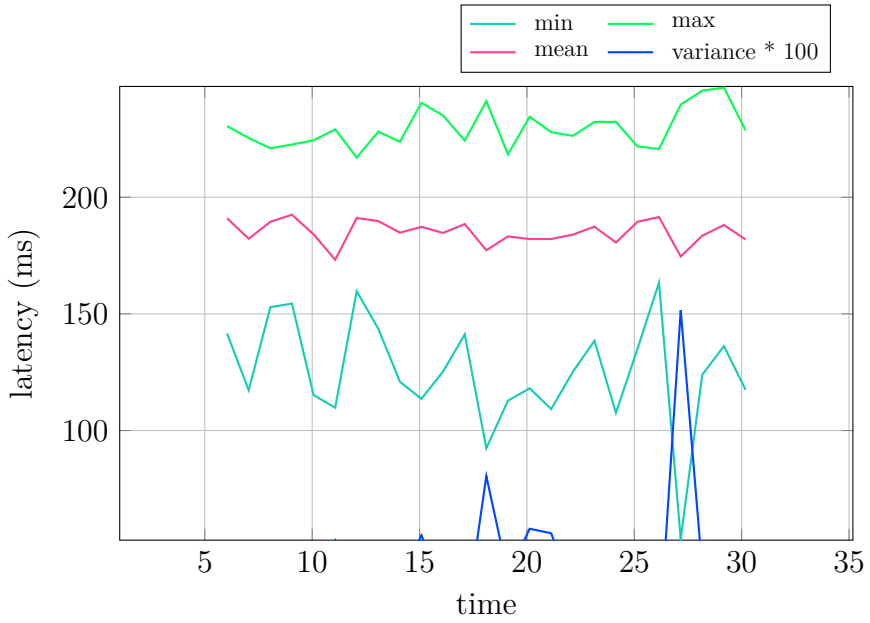
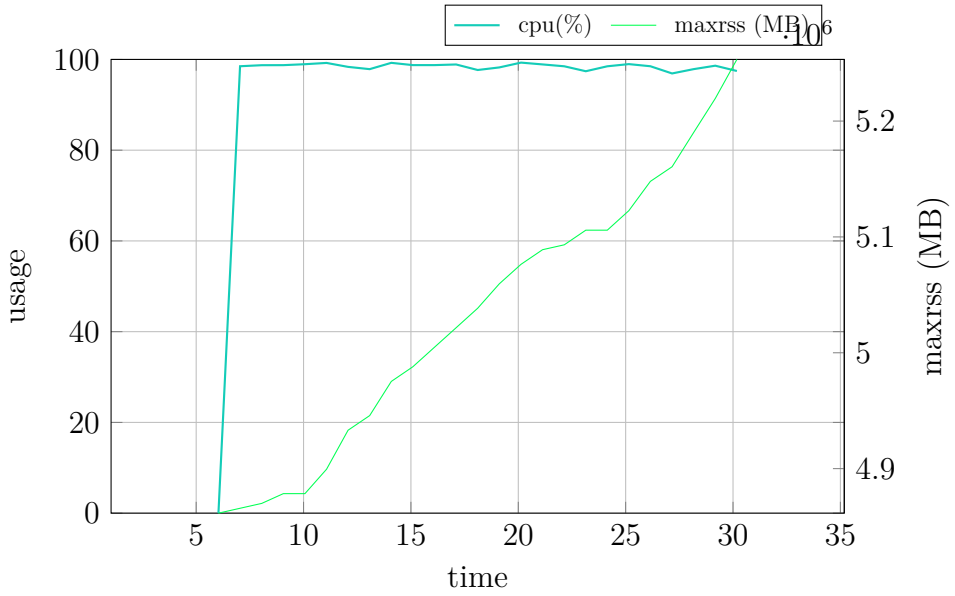
Performance fastrtps

Logfile name	7ccfc8c1-4c90-464f-b0ac-854624ba909a.csv
Experiment id	bd3e0535-5166-4b10-b342-e733c9bb74a5
Communication mean	RCLCPP_SINGLE_THREADED_EXECUTOR



Latencies



Resource usage (man getrusage)

test setup

Performance Test Version	2fc8cc2-dirty
Publishing rate	500
Topic name	PointCloud4m
Number of publishers	1
Number of subscribers	10
Maximum runtime (sec)	30
DDS domain id	0
Single participant	-

average results

Experiment Status	success
T_loop	1.0056
received	4710.96
sent	498.8
lost	275.2
relative_loss	0.552
data_received	19795278803.92
latency_min (ms)	125.1532
latency_max (ms)	229.528
latency_mean (ms)	184.98
latency_variance (ms)	0.3847
pub_loop_res_min (ms)	-68.9288
pub_loop_res_max (ms)	1.0668
pub_loop_res_mean (ms)	-17.7999
pub_loop_res_variance (ms)	0.3519
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 (%)	94.5125
max_ram_usage (MB)	5253201.92

environment

Ignore seconds from beginning	5
Memory check enabled	0
Msg name	PointCloud4m
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