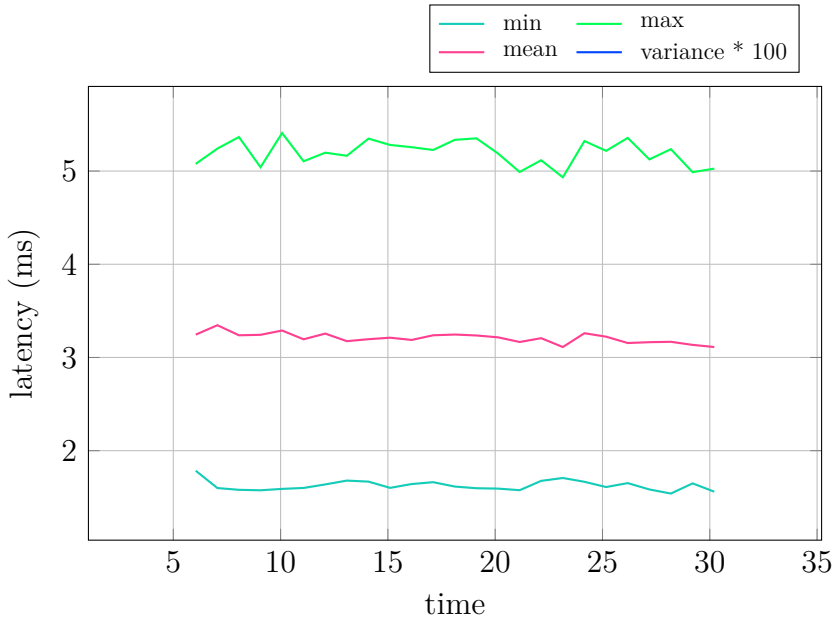
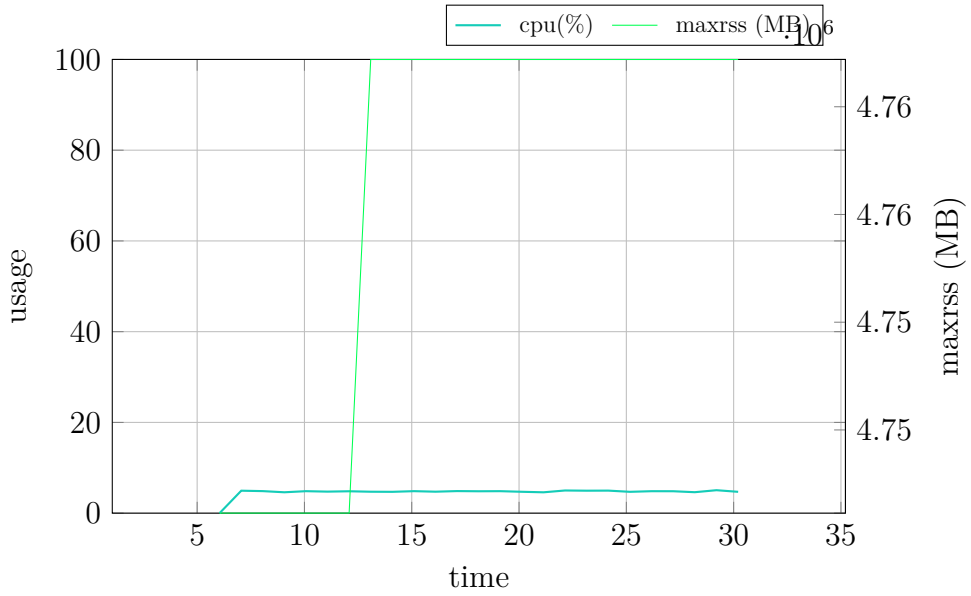
Performance fastrtps

Logfile name	9b881f0a-42c4-4b6a-ad6a-98e07bf3a829.csv
Experiment id	d4ef6fa9-c318-46f1-9a07-5f8321bd147a
Communication mean	RCLCPP_SINGLE_THREADED_EXECUTOR



Latencies



Resource usage (man getrusage)

test setup

Performance Test Version	2fc8cc2-dirty
Publishing rate	20
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	1.0068
received	191.6
sent	19.16
lost	0.0
relative_loss	0.0
data_received	840167217.76
latency_min (ms)	1.6258
latency_max (ms)	5.1956
latency_mean (ms)	3.2088
latency_variance (ms)	0.001
pub_loop_res_min (ms)	39.2108
pub_loop_res_max (ms)	48.6344
pub_loop_res_mean (ms)	42.8408
pub_loop_res_variance (ms)	0.0111
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 (%)	4.6131
max_ram_usage (MB)	4756439.04

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