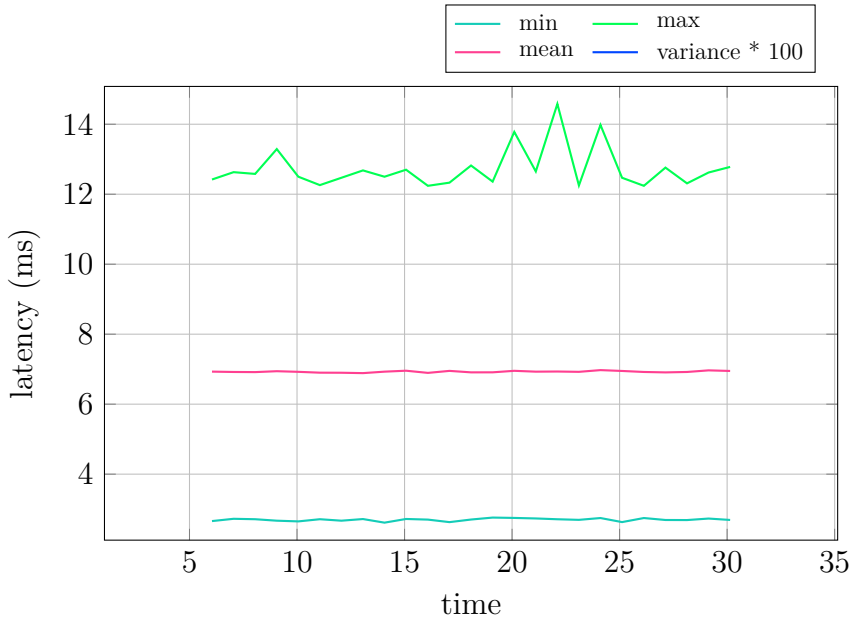
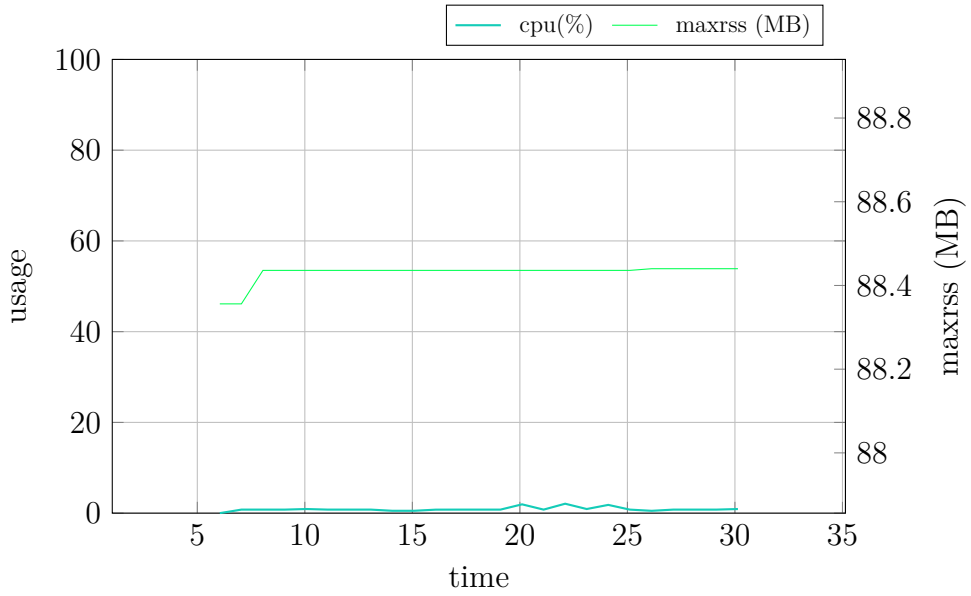
Performance fastrtps

Logfile name	7965f1e7-2dfd-4a0d-996b-d99e3f1e2a2c.csv
Experiment id	0eb6f4ee-2693-4ceb-b41e-826a0b8ad14f
Communication mean	RCLCPP_SINGLE_THREADED_EXECUTOR



Latencies



Resource usage (man getrusage)

test setup

Performance Test Version	
Publishing rate	500
Topic name	PointCloud1m
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	1.0043
received	4993.6
sent	499.36
lost	0.0
relative_loss	0.0
data_received	5255233511.8
latency_min (ms)	2.698
latency_max (ms)	12.728
latency_mean (ms)	6.9276
latency_variance (ms)	0.0057
pub_loop_res_min (ms)	-12.2516
pub_loop_res_max (ms)	1.6684
pub_loop_res_mean (ms)	-4.9994
pub_loop_res_variance (ms)	0.0146
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 (%)	0.8717
max_ram_usage (MB)	88.44

environment

Ignore seconds from beginning	5
Memory check enabled	0
Msg name	PointCloud1m
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