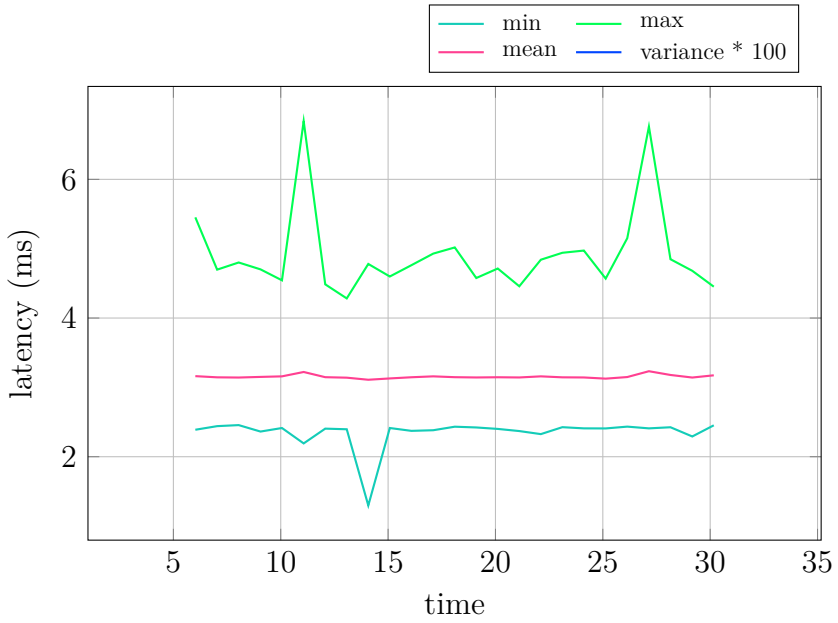
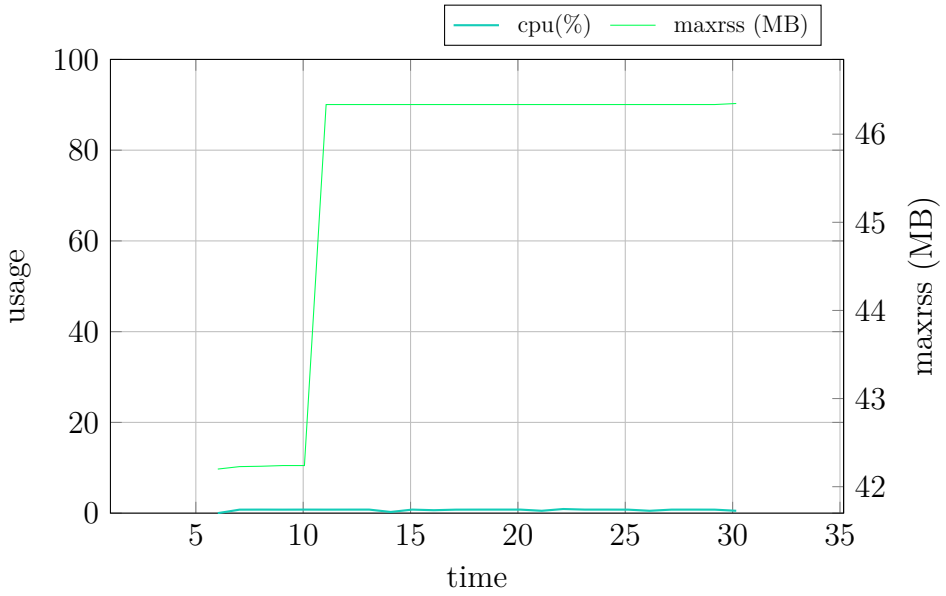
Performance fastrtps

Logfile name	061148d4-9d18-4b21-bf3c-9a20f117f3fa.csv
Experiment id	14b1a716-119e-4ecf-b3d3-5de901fa4062
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	3
Maximum runtime (sec)	30
DDS domain id	0
Single participant	-

average results

Experiment Status	success
T_loop	1.0059
received	1498.32
sent	499.44
lost	0.0
relative_loss	0.0
data_received	1576503842.64
latency_min (ms)	2.3492
latency_max (ms)	4.9144
latency_mean (ms)	3.1536
latency_variance (ms)	0.0001
pub_loop_res_min (ms)	-12.9044
pub_loop_res_max (ms)	1.6639
pub_loop_res_mean (ms)	-5.0004
pub_loop_res_variance (ms)	0.0147
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 (%)	0.6936
max_ram_usage (MB)	46.35

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