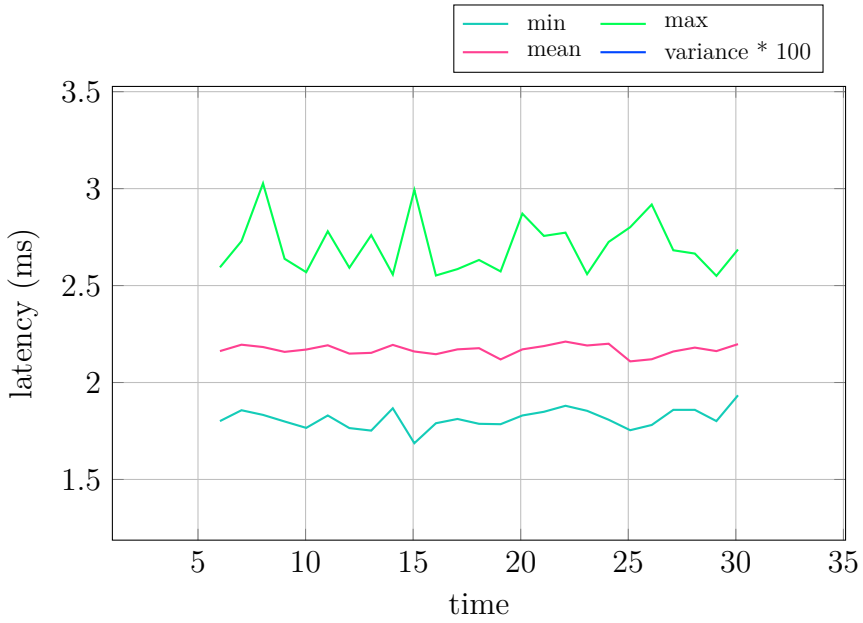
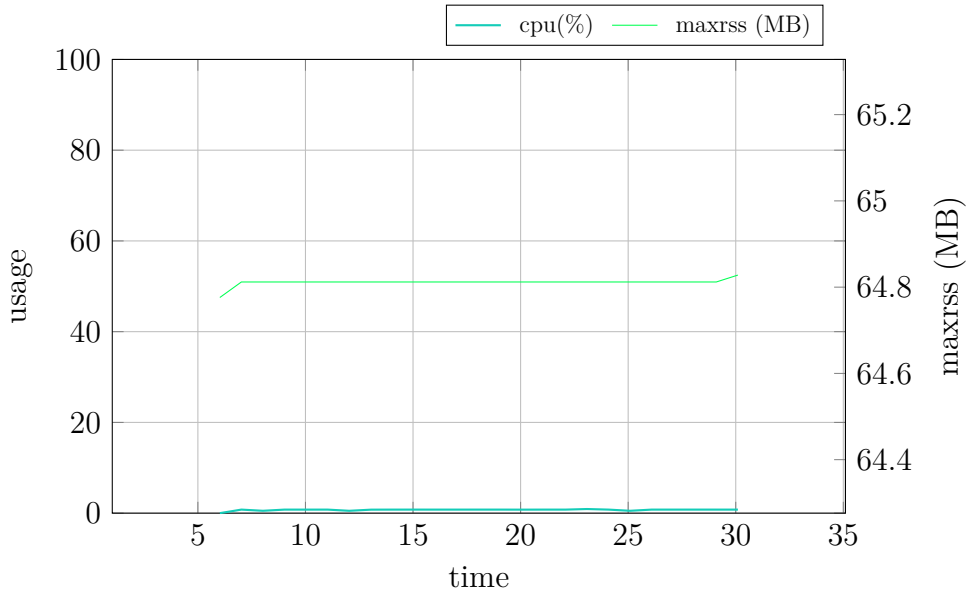
Performance fastrtps

Logfile name	10658dd7-4513-4f19-a948-469cd11f19fc.csv
Experiment id	e43521f1-aa67-4b3e-b4ac-2b31016dee9c
Communication mean	RCLCPP_SINGLE_THREADED_EXECUTOR



Latencies



Resource usage (man getrusage)

test setup

Performance Test Version	
Publishing rate	20
Topic name	PointCloud4m
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	1.0033
received	57.12
sent	19.04
lost	0.0
relative_loss	0.0
data_received	251461778.24
latency_min (ms)	1.8136
latency_max (ms)	2.7027
latency_mean (ms)	2.1688
latency_variance (ms)	0.0001
pub_loop_res_min (ms)	34.254
pub_loop_res_max (ms)	48.6556
pub_loop_res_mean (ms)	41.4468
pub_loop_res_variance (ms)	0.0206
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 (%)	0.7215
max_ram_usage (MB)	64.83

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