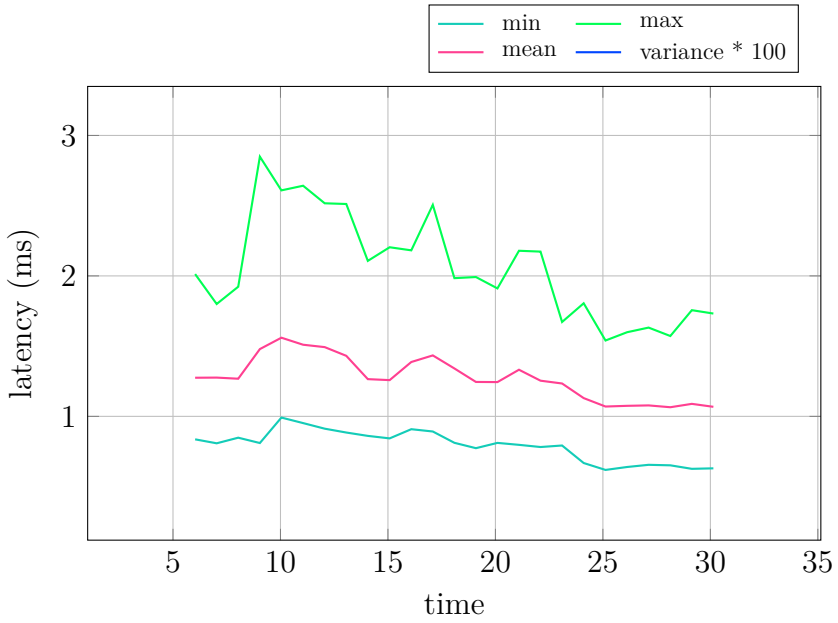
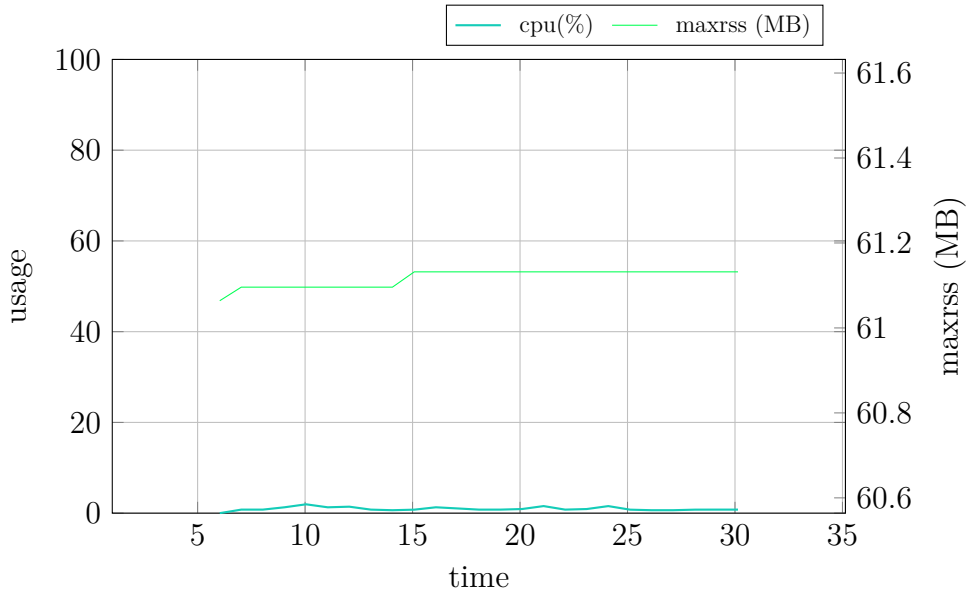
Performance fastrtps

Logfile name	d87e5bcf-c5a4-46fc-8887-293c7fa4bd38.csv
Experiment id	a82269b3-f38c-4b13-b7ce-3fb0e5287649
Communication mean	RCLCPP_SINGLE_THREADED_EXECUTOR



Latencies



Resource usage (man getrusage)

test setup

Performance Test Version	
Publishing rate	20
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	191.2
sent	19.12
lost	0.0
relative_loss	0.0
data_received	210538316.6
latency_min (ms)	0.7922
latency_max (ms)	2.0564
latency_mean (ms)	1.2744
latency_variance (ms)	0.0001
pub_loop_res_min (ms)	34.0308
pub_loop_res_max (ms)	48.1676
pub_loop_res_mean (ms)	41.3132
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 (%)	0.9489
max_ram_usage (MB)	61.13

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