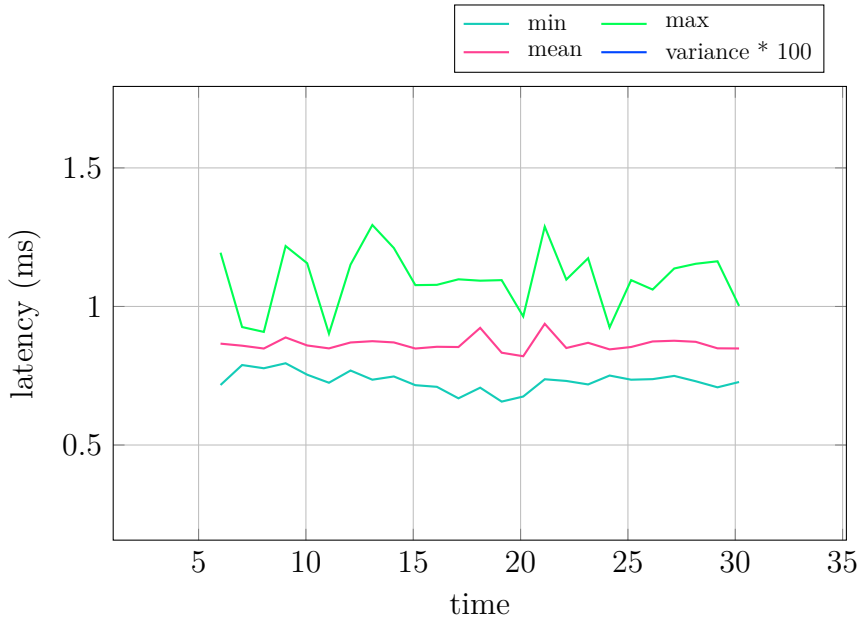
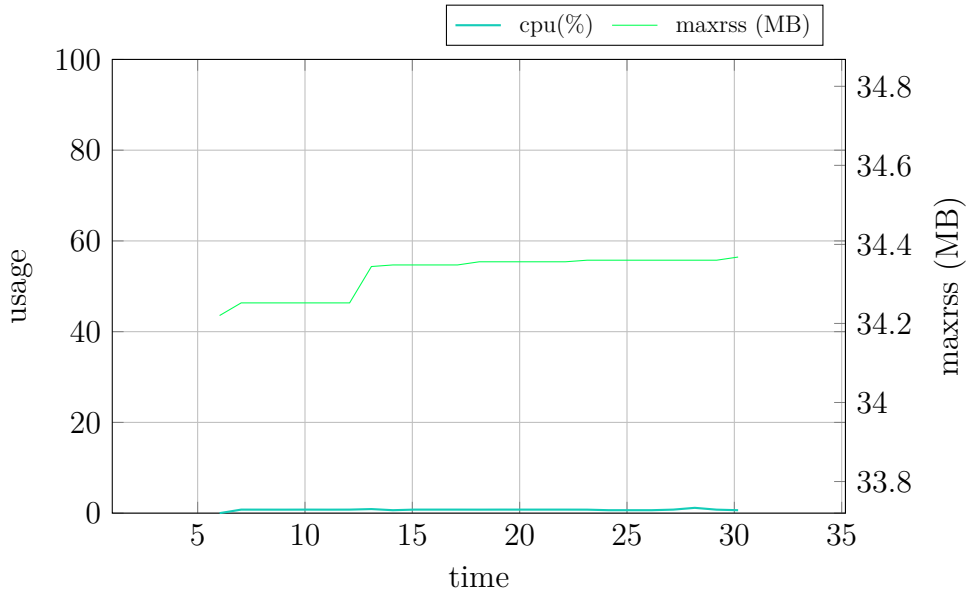
Performance fastrtps

Logfile name	e8b20d0b-7869-4bbb-8a25-269f0e0a14e4.csv
Experiment id	d5062197-d794-4e32-a045-f1903fc1fc26
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	3
Maximum runtime (sec)	30
DDS domain id	0
Single participant	-

average results

Experiment Status	success
T_loop	1.0061
received	57.36
sent	19.12
lost	0.0
relative_loss	0.0
data_received	63048081.68
latency_min (ms)	0.7307
latency_max (ms)	1.0984
latency_mean (ms)	0.8636
latency_variance (ms)	0.0
pub_loop_res_min (ms)	34.1616
pub_loop_res_max (ms)	48.3188
pub_loop_res_mean (ms)	41.1744
pub_loop_res_variance (ms)	0.0201
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 (%)	0.74
max_ram_usage (MB)	34.37

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