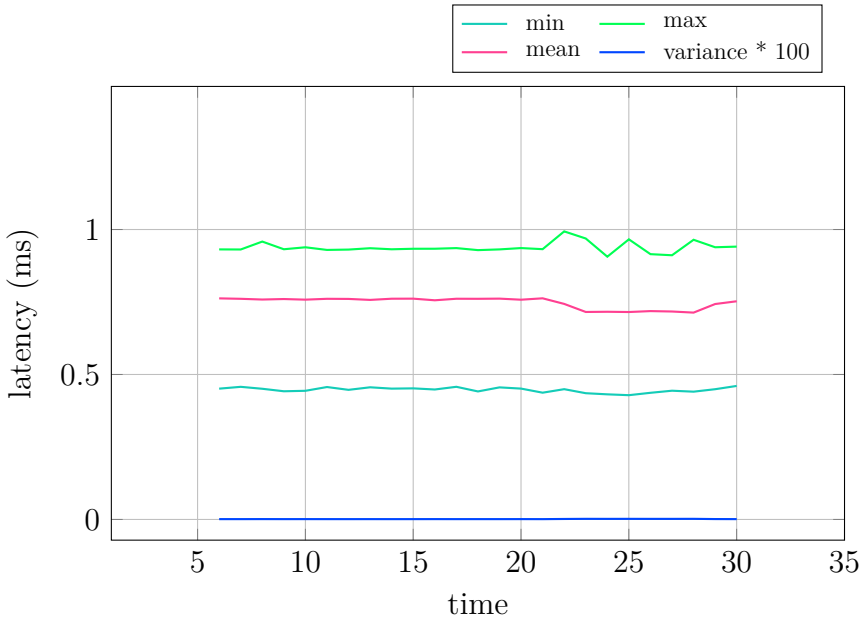
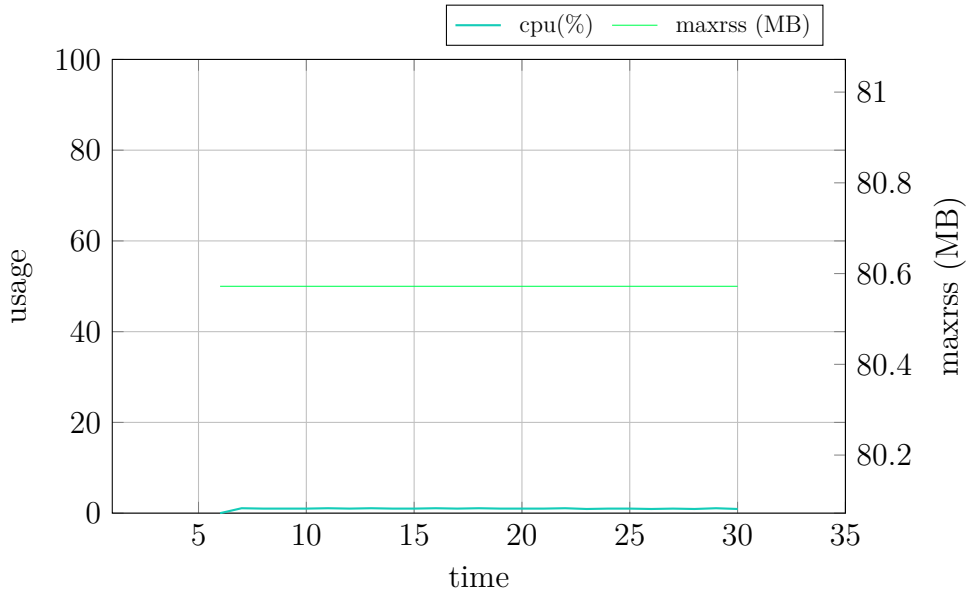
Performance fastrtps

Logfile name	0be3c38a-fb82-4a06-bf7d-5f1af5419f1e.csv
Experiment id	be08ab36-cdb8-4715-a375-040988c649c3
Communication mean	RCLCPP_SINGLE_THREADED_EXECUTOR



Latencies



Resource usage (man getrusage)

test setup

Performance Test Version	2113db4
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	1.0001
received	190.0
sent	19.0
lost	0.0
relative_loss	0.0
data_received	210178413.12
latency_min (ms)	0.447
latency_max (ms)	0.9383
latency_mean (ms)	0.7479
latency_variance (ms)	0.0
pub_loop_res_min (ms)	49.7848
pub_loop_res_max (ms)	49.8144
pub_loop_res_mean (ms)	49.7996
pub_loop_res_variance (ms)	0.0
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 (%)	0.9695
max_ram_usage (MB)	80.57

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