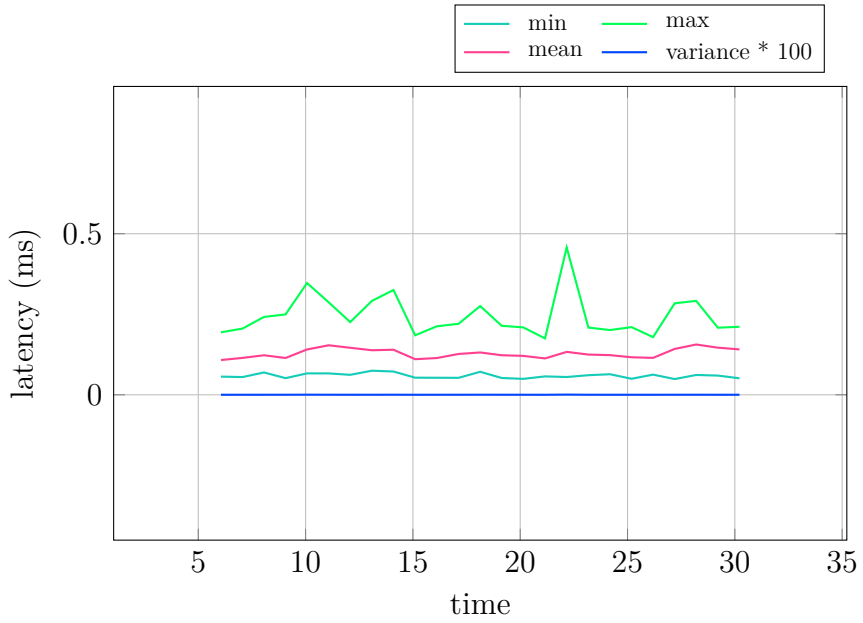
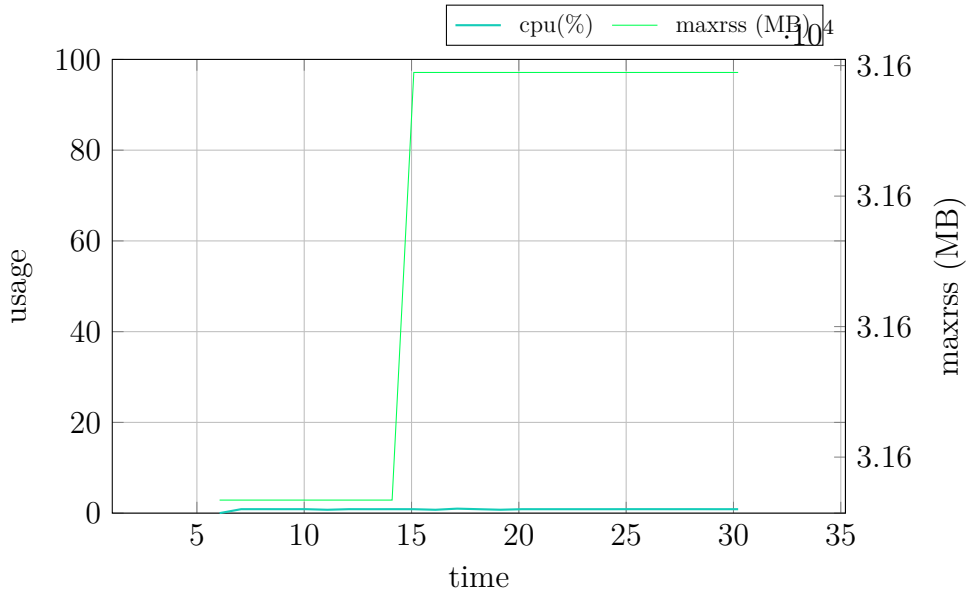
Performance fastrtps

Logfile name	5589b1f5-f303-430e-8356-474c3ac8afcd.csv
Experiment id	c75f32d6-7344-4b71-88b6-9bbfb148bd3e
Communication mean	RCLCPP_SINGLE_THREADED_EXECUTOR



Latencies



Resource usage (man getrusage)

test setup

Performance Test Version	2fc8cc2-dirty
Publishing rate	20
Topic name	Array16k
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	1.0065
received	57.48
sent	19.16
lost	0.0
relative_loss	0.0
data_received	985275.68
latency_min (ms)	0.0591
latency_max (ms)	0.2444
latency_mean (ms)	0.1286
latency_variance (ms)	0.0
pub_loop_res_min (ms)	39.804
pub_loop_res_max (ms)	48.9148
pub_loop_res_mean (ms)	42.7364
pub_loop_res_variance (ms)	0.0105
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 (%)	0.8245
max_ram_usage (MB)	31604.74

environment

Ignore seconds from beginning	5
Memory check enabled	0
Msg name	Array16k
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