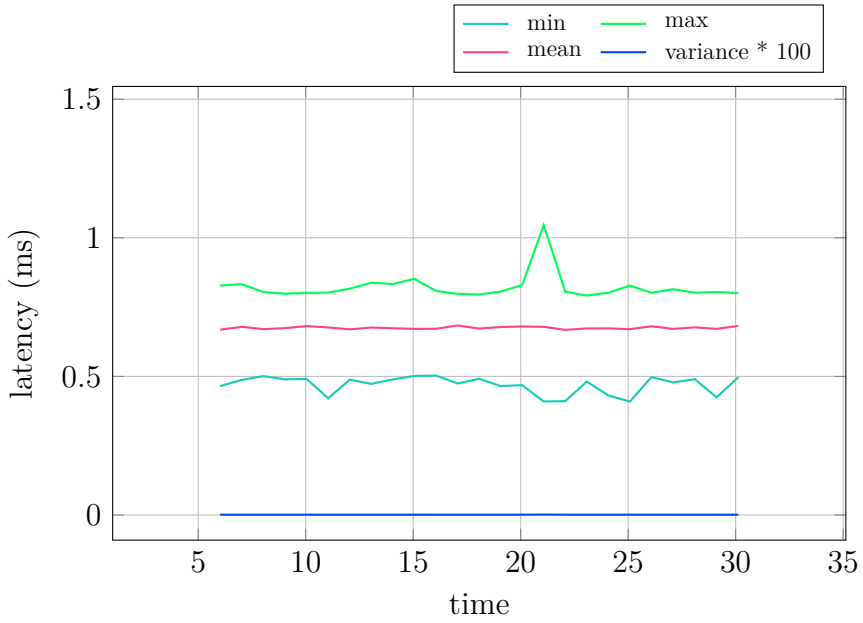
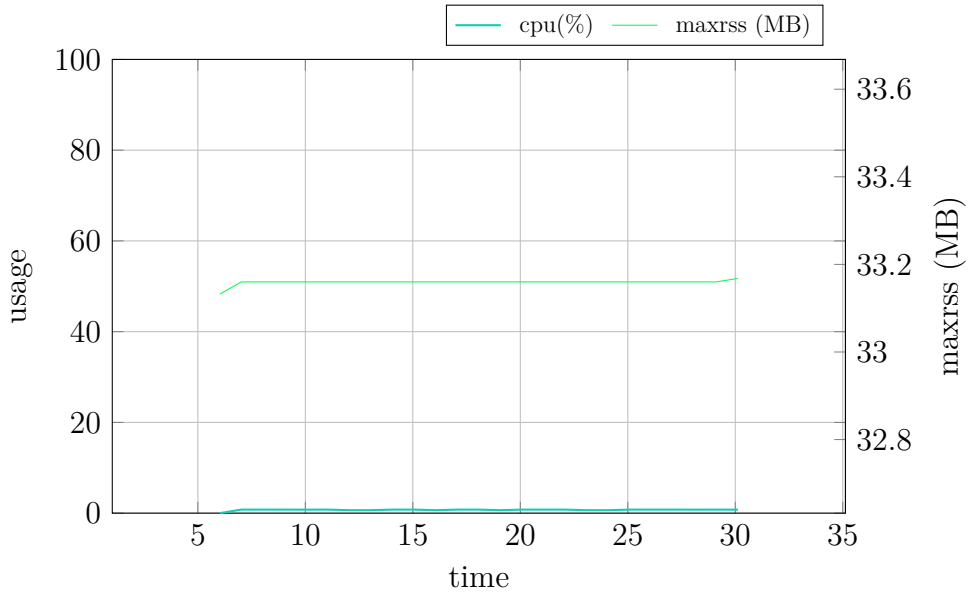
Performance fastrtps

Logfile name	73613a92-ed92-48d0-8a8e-2a956e91af0a.csv
Experiment id	6212f209-9870-4401-9f0c-7ee9dfbd3781
Communication mean	RCLCPP_SINGLE_THREADED_EXECUTOR



Latencies



Resource usage (man getrusage)

test setup

Performance Test Version	
Publishing rate	100
Topic name	Struct32k
Number of publishers	1
Number of subscribers	1
Maximum runtime (sec)	30
DDS domain id	0
Single participant	-

average results

Experiment Status	success
T_loop	1.0044
received	99.32
sent	99.32
lost	0.0
relative_loss	0.0
data_received	6772260.92
latency_min (ms)	0.4695
latency_max (ms)	0.8216
latency_mean (ms)	0.6749
latency_variance (ms)	0.0
pub_loop_res_min (ms)	-5.6816
pub_loop_res_max (ms)	9.517
pub_loop_res_mean (ms)	2.0028
pub_loop_res_variance (ms)	0.0195
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 (%)	0.7155
max_ram_usage (MB)	33.17

environment

Ignore seconds from beginning	5
Memory check enabled	0
Msg name	Struct32k
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