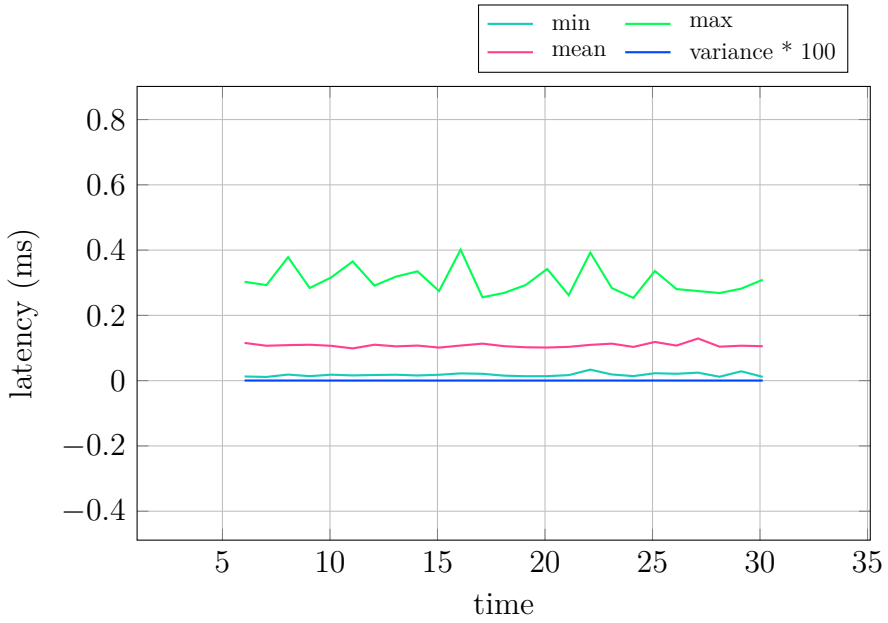
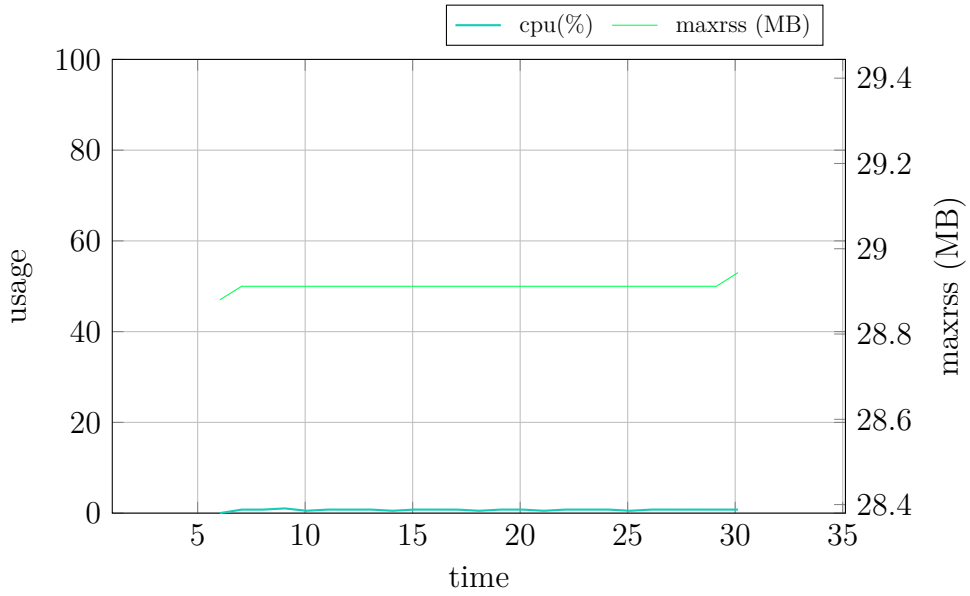
Performance fastrtps

Logfile name	fead3435-eeb9-4ae5-ab04-dd54f160d098.csv
Experiment id	0accdcb9-5ac2-4eb8-a47c-bb23c4b89186
Communication mean	RCLCPP_SINGLE_THREADED_EXECUTOR



Latencies



Resource usage (man getrusage)

test setup

Performance Test Version	
Publishing rate	500
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	1.0041
received	1498.2
sent	499.36
lost	0.0
relative_loss	0.0
data_received	24600547.84
latency_min (ms)	0.0181
latency_max (ms)	0.3066
latency_mean (ms)	0.1082
latency_variance (ms)	0.0
pub_loop_res_min (ms)	-14.3764
pub_loop_res_max (ms)	1.9559
pub_loop_res_mean (ms)	-5.833
pub_loop_res_variance (ms)	0.0205
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 (%)	0.7053
max_ram_usage (MB)	28.94

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