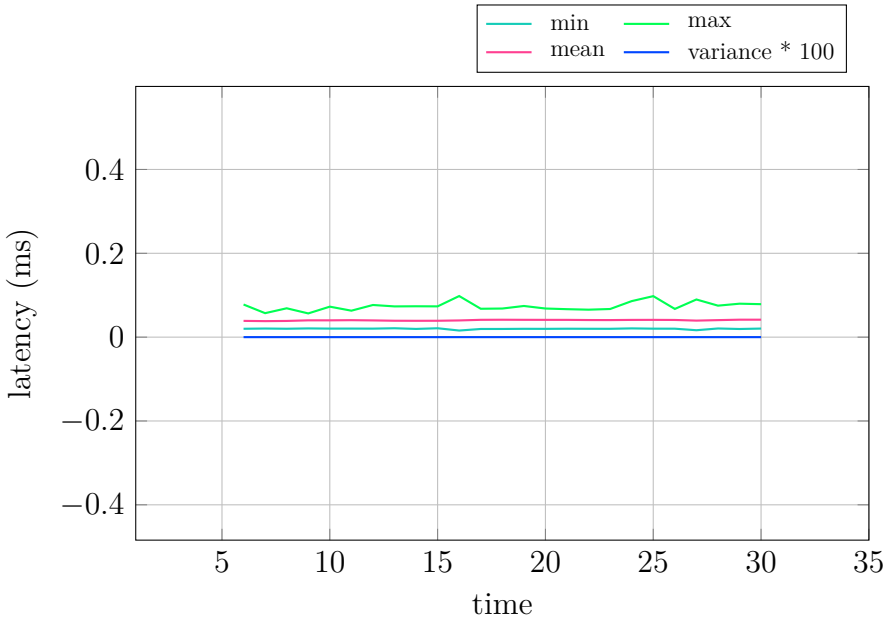
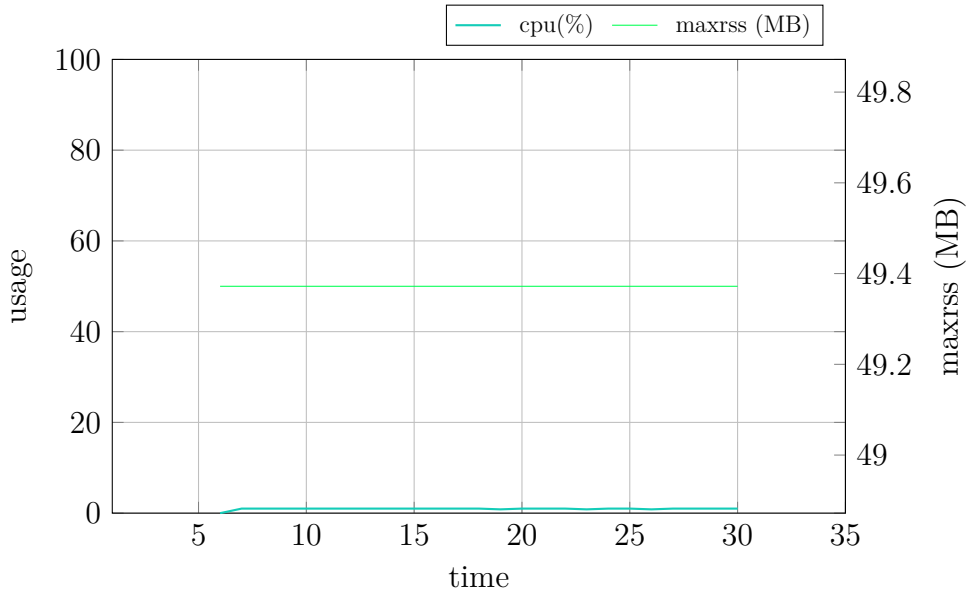
Performance fastrtps

Logfile name	da81f111-3da5-40a8-bc64-718ebe3aa29c.csv
Experiment id	d2cd6282-4325-43b8-8166-88e0f5fa01ec
Communication mean	RCLCPP_SINGLE_THREADED_EXECUTOR



Latencies



Resource usage (man getrusage)

test setup

Performance Test Version	2113db4
Publishing rate	500
Topic name	Array16k
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	4990.4
sent	499.04
lost	0.0
relative_loss	0.0
data_received	81998955.72
latency_min (ms)	0.0199
latency_max (ms)	0.0737
latency_mean (ms)	0.0403
latency_variance (ms)	0.0
pub_loop_res_min (ms)	1.9341
pub_loop_res_max (ms)	1.9418
pub_loop_res_mean (ms)	1.9393
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 (%)	0.9396
max_ram_usage (MB)	49.37

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