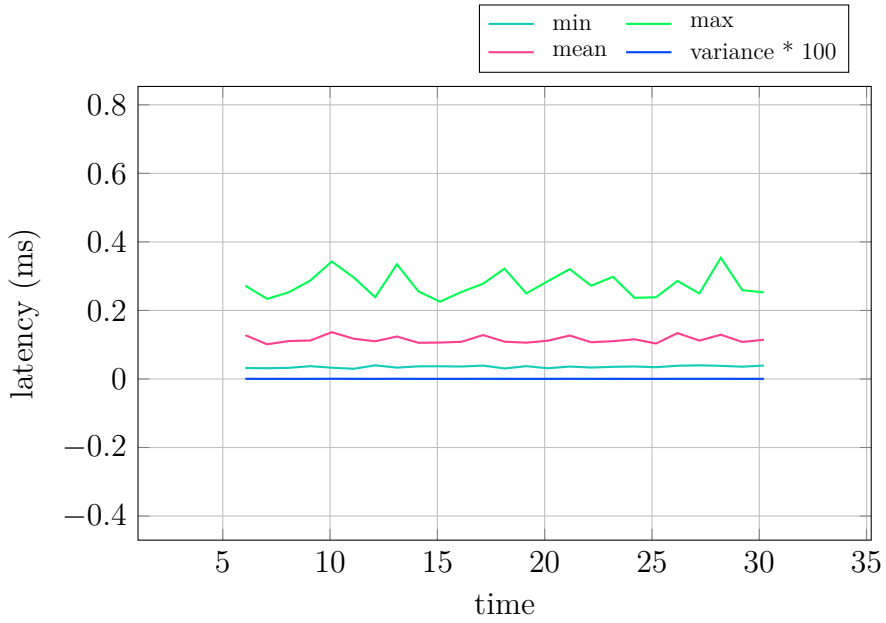
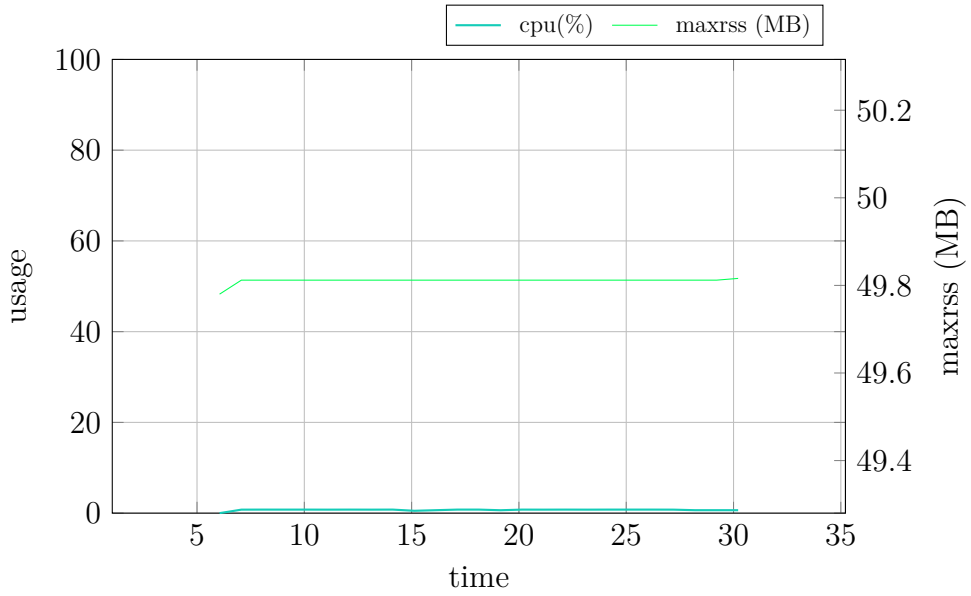
Performance fastrtps

Logfile name	128e49eb-827f-4c85-955d-e2a89d7023af.csv
Experiment id	d61559a8-6994-4eca-9a64-9384f582211b
Communication mean	RCLCPP_SINGLE_THREADED_EXECUTOR



Latencies



Resource usage (man getrusage)

test setup

Performance Test Version	
Publishing rate	20
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	1.0068
received	191.2
sent	19.12
lost	0.0
relative_loss	0.0
data_received	3277104.24
latency_min (ms)	0.0354
latency_max (ms)	0.2758
latency_mean (ms)	0.115
latency_variance (ms)	0.0
pub_loop_res_min (ms)	34.488
pub_loop_res_max (ms)	48.3488
pub_loop_res_mean (ms)	41.4824
pub_loop_res_variance (ms)	0.0204
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 (%)	0.7087
max_ram_usage (MB)	49.82

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