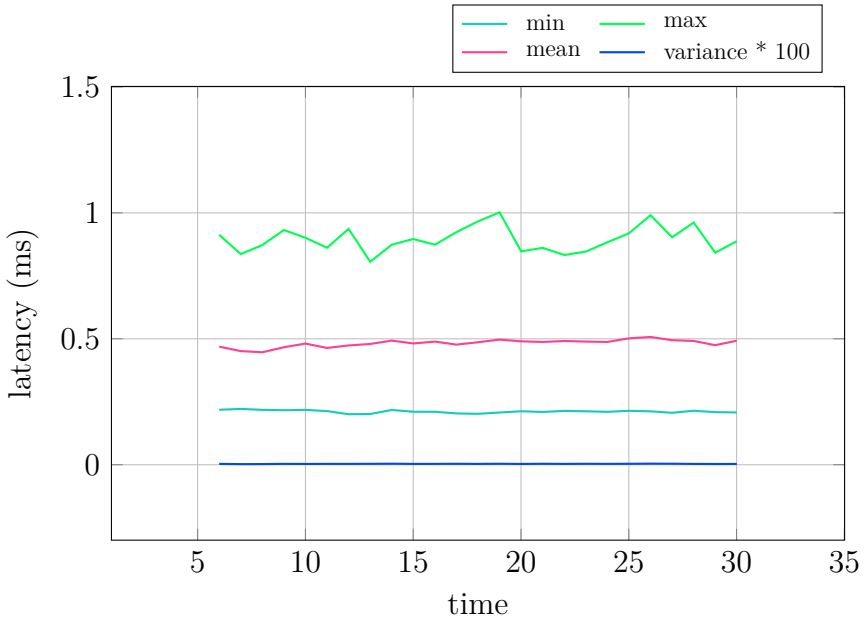
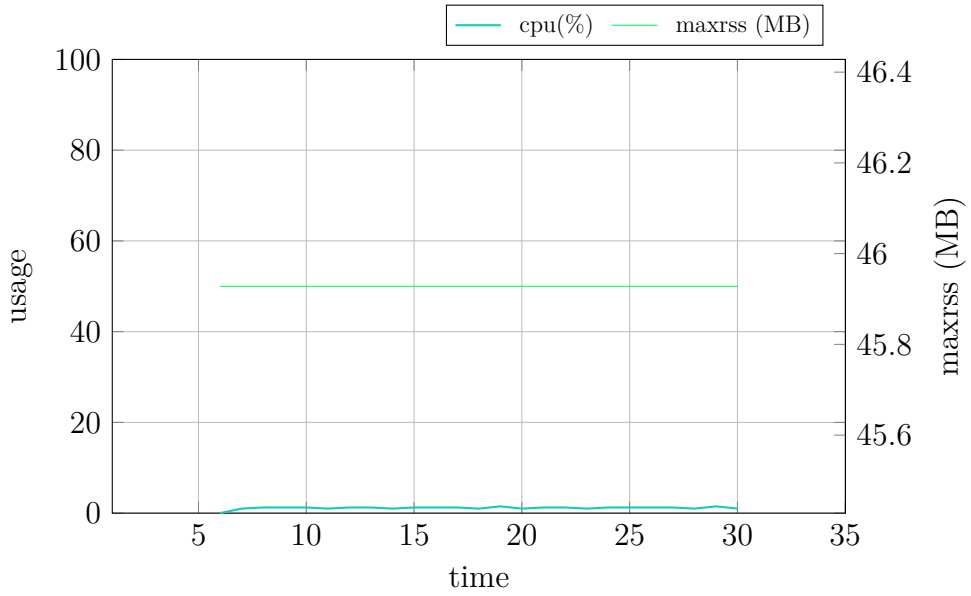
Performance fastrtps

Logfile name	151793e1-d501-487e-a0fd-1d11ae2938a5.csv
Experiment id	0825741f-3e42-4b25-a6dd-fa980544fafd
Communication mean	RCLCPP_SINGLE_THREADED_EXECUTOR



Latencies



Resource usage (man getrusage)

test setup

Performance Test Version	2113db4
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	1.0001
received	190.0
sent	19.0
lost	0.0
relative_loss	0.0
data_received	3278654.4
latency_min (ms)	0.2112
latency_max (ms)	0.8947
latency_mean (ms)	0.4825
latency_variance (ms)	0.0
pub_loop_res_min (ms)	49.7936
pub_loop_res_max (ms)	49.84
pub_loop_res_mean (ms)	49.8212
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 (%)	1.1395
max_ram_usage (MB)	45.93

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