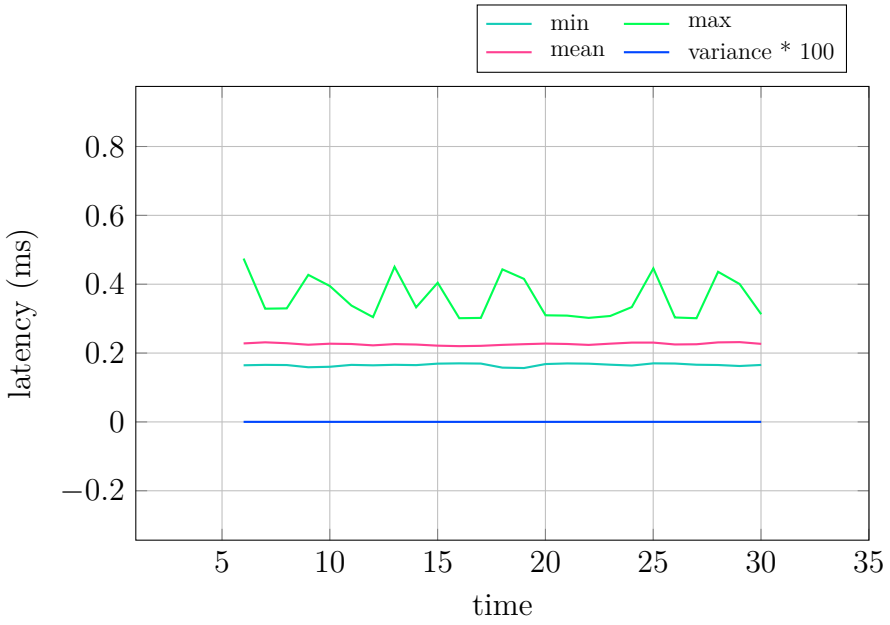
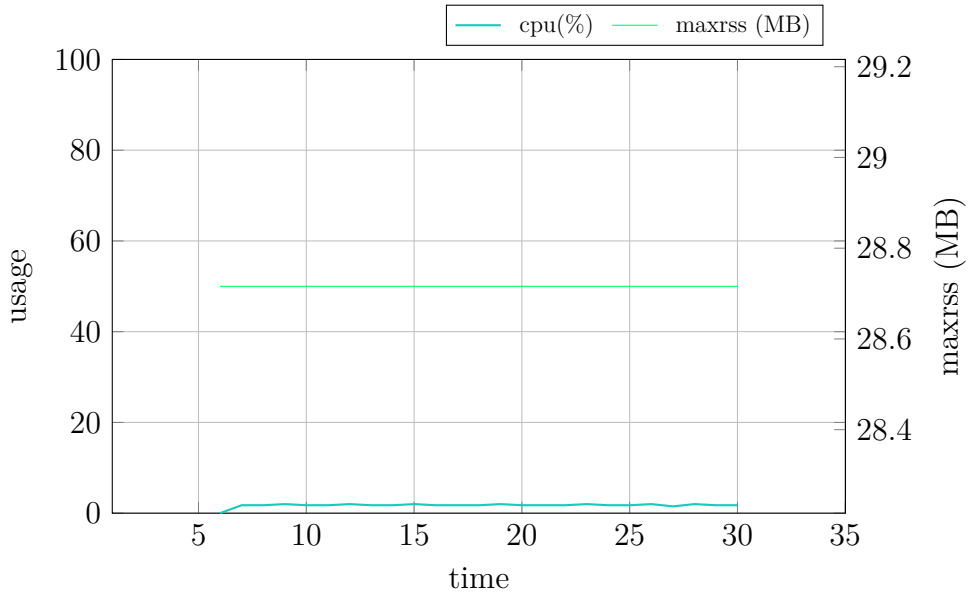
Performance fastrtps

Logfile name	4e176f88-fdf5-462c-941c-add488492ccb.csv
Experiment id	e06d0c1b-d18e-4ada-a010-890bf4bd064e
Communication mean	RCLCPP_SINGLE_THREADED_EXECUTOR



Latencies



Resource usage (man getrusage)

test setup

Performance Test Version	2113db4
Publishing rate	100
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	1.0001
received	297.12
sent	99.04
lost	0.0
relative_loss	0.0
data_received	4920220.08
latency_min (ms)	0.1654
latency_max (ms)	0.3604
latency_mean (ms)	0.2263
latency_variance (ms)	0.0
pub_loop_res_min (ms)	9.7858
pub_loop_res_max (ms)	9.8652
pub_loop_res_mean (ms)	9.8422
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 (%)	1.739
max_ram_usage (MB)	28.72

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