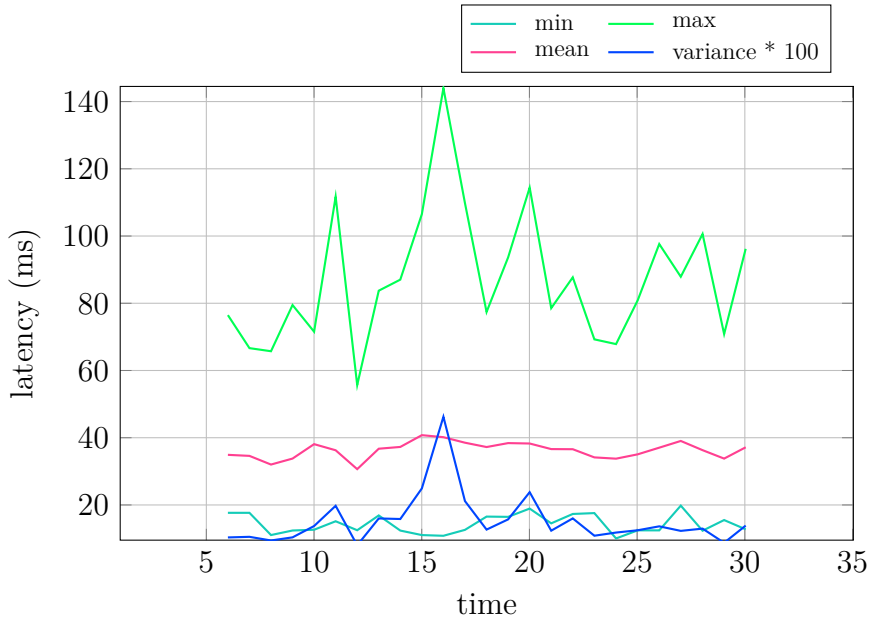
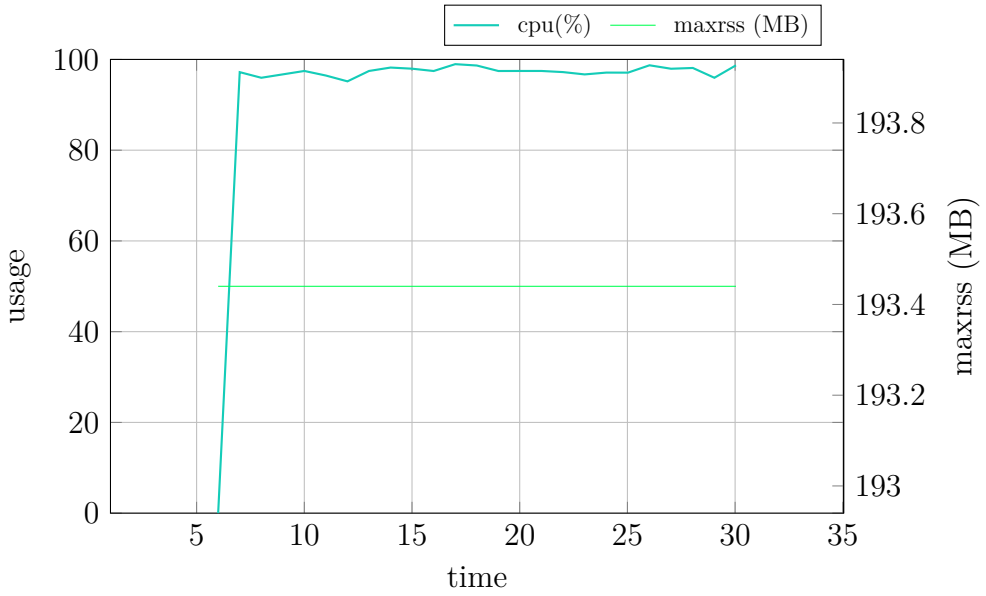
Performance fastrtps

Logfile name	2debab68-f68a-4dc6-83a8-8122c53d4c43.csv
Experiment id	365d17d8-25e3-40b4-a1d1-bb376de8eb13
Communication mean	RCLCPP_SINGLE_THREADED_EXECUTOR



Latencies



Resource usage (man getrusage)

test setup

Performance Test Version	2113db4
Publishing rate	500
Topic name	Array2m
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	1.0009
received	563.48
sent	56.36
lost	0.0
relative_loss	0.0
data_received	1200839101.36
latency_min (ms)	14.3768
latency_max (ms)	87.2444
latency_mean (ms)	36.2872
latency_variance (ms)	0.1534
pub_loop_res_min (ms)	-16905.72
pub_loop_res_max (ms)	-16035.2
pub_loop_res_mean (ms)	-16469.92
pub_loop_res_variance (ms)	65.6692
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 (%)	93.5024
max_ram_usage (MB)	193.44

environment

Ignore seconds from beginning	5
Memory check enabled	0
Msg name	Array2m
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