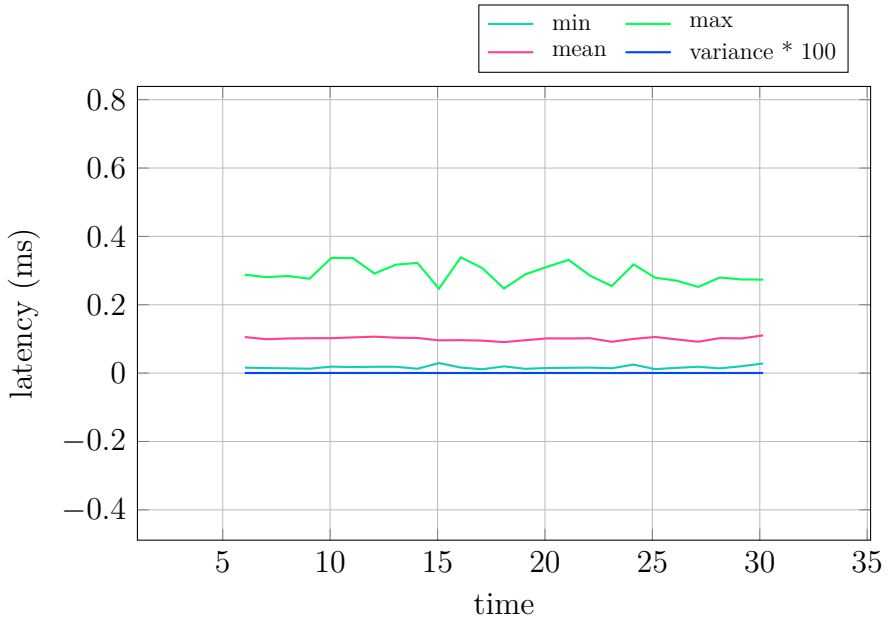
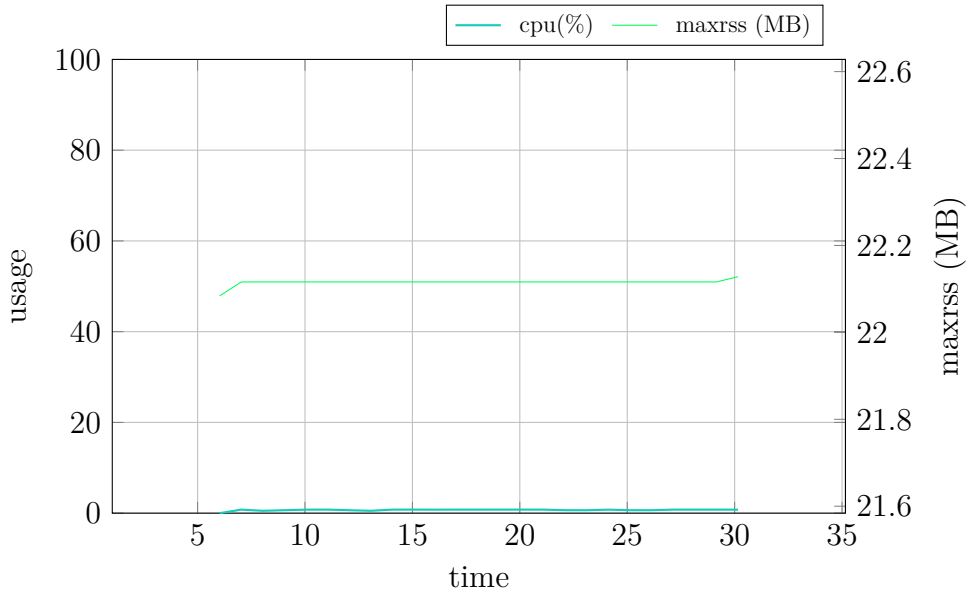
Performance fastrtps

Logfile name	509bbc6a-1672-40d5-91fb-8fc035a6adb5.csv
Experiment id	a65df5d5-80af-4ce1-b556-b2f9625c964f
Communication mean	RCLCPP_SINGLE_THREADED_EXECUTOR



Latencies



Resource usage (man getrusage)

test setup

Performance Test Version	
Publishing rate	500
Topic name	Struct16
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	1.0058
received	1499.04
sent	499.68
lost	0.0
relative_loss	0.0
data_received	48027.72
latency_min (ms)	0.0171
latency_max (ms)	0.2918
latency_mean (ms)	0.1004
latency_variance (ms)	0.0
pub_loop_res_min (ms)	-14.4576
pub_loop_res_max (ms)	1.9597
pub_loop_res_mean (ms)	-5.8278
pub_loop_res_variance (ms)	0.0205
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 (%)	0.6941
max_ram_usage (MB)	22.13

environment

Ignore seconds from beginning	5
Memory check enabled	0
Msg name	Struct16
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