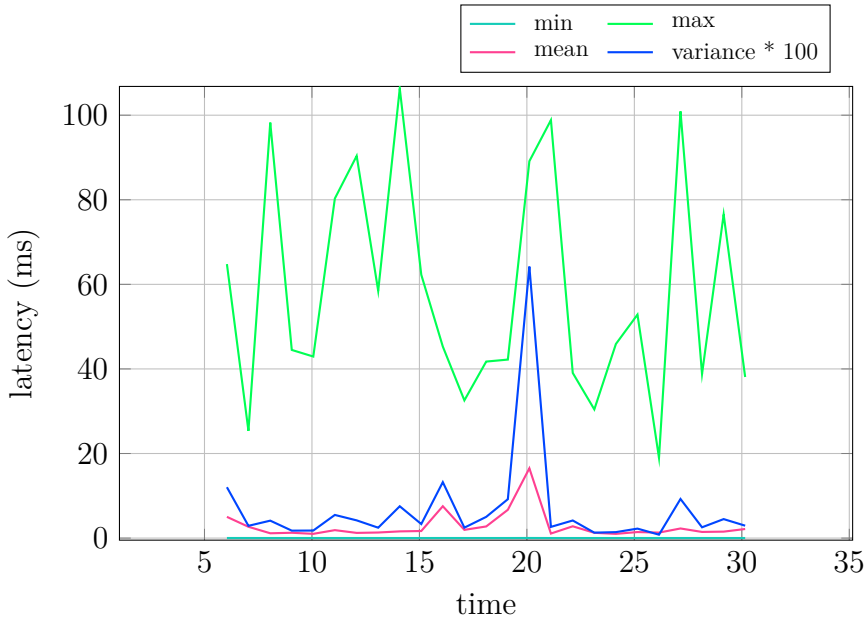
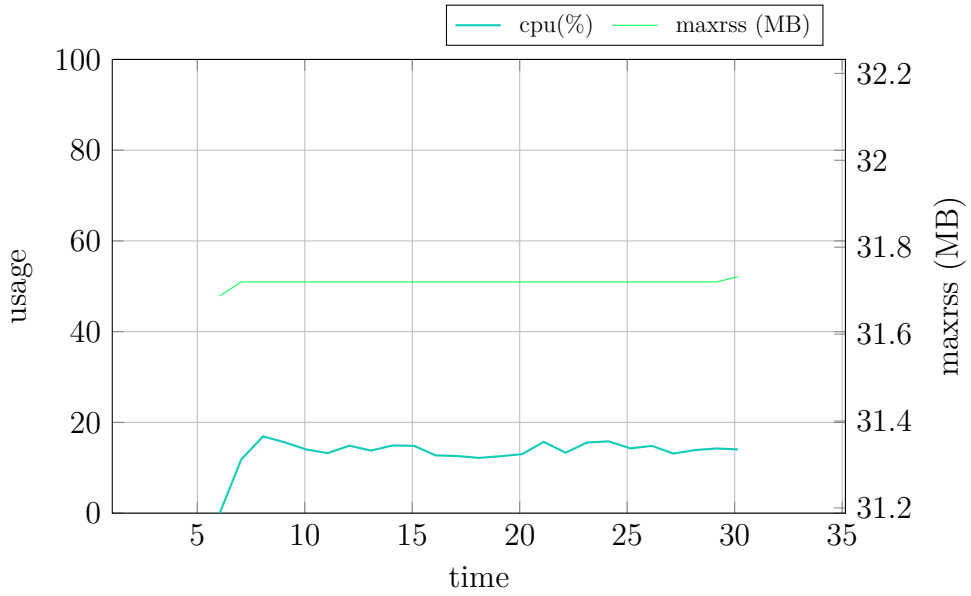
Performance fastrtps

Logfile name	49cacaa2-3260-4f50-bff2-0202f77b153f.csv
Experiment id	2ffea187-e166-4fc5-b6d0-eceaca31ff63
Communication mean	RCLCPP_SINGLE_THREADED_EXECUTOR



Latencies



Resource usage (man getrusage)

test setup

Performance Test Version	
Publishing rate	0
Topic name	Struct16
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	1.005
received	46899.76
sent	138499.8
lost	1332881.92
relative_loss	9.7408
data_received	1500943.68
latency_min (ms)	0.0145
latency_max (ms)	58.5936
latency_mean (ms)	2.8172
latency_variance (ms)	0.0686
pub_loop_res_min (ms)	-18139.36
pub_loop_res_max (ms)	9223000000000.0
pub_loop_res_mean (ms)	4612000000000.0
pub_loop_res_variance (ms)	2.127e+22
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 (%)	13.5204
max_ram_usage (MB)	31.73

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