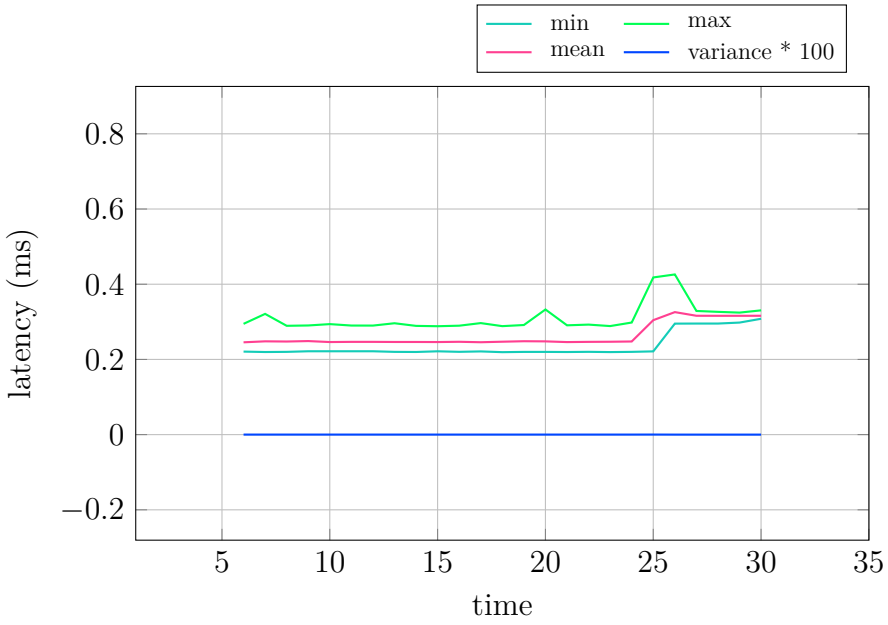
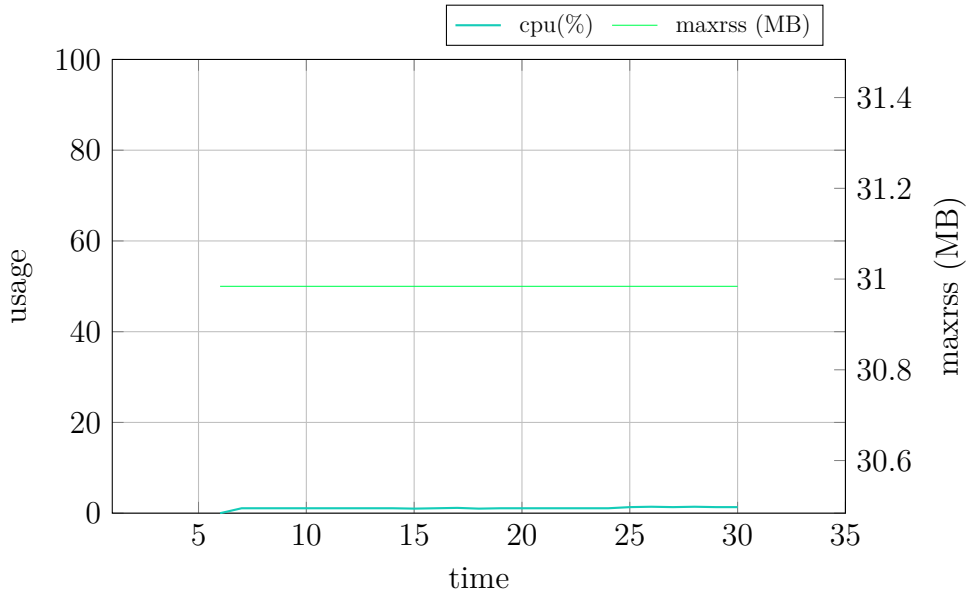
Performance fastrtps

Logfile name	b362483b-53b2-46c4-96d0-ed4d3cf61afa.csv
Experiment id	2654734e-3cdb-435a-9542-9132c09d75f9
Communication mean	RCLCPP_SINGLE_THREADED_EXECUTOR



Latencies



Resource usage (man getrusage)

test setup

Performance Test Version	2113db4
Publishing rate	500
Topic name	Struct32k
Number of publishers	1
Number of subscribers	1
Maximum runtime (sec)	30
DDS domain id	0
Single participant	-

average results

Experiment Status	success
T_loop	1.0001
received	499.04
sent	499.04
lost	0.0
relative_loss	0.0
data_received	33863840.0
latency_min (ms)	0.2361
latency_max (ms)	0.3107
latency_mean (ms)	0.2635
latency_variance (ms)	0.0
pub_loop_res_min (ms)	1.7846
pub_loop_res_max (ms)	1.8252
pub_loop_res_mean (ms)	1.8074
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 (%)	1.1028
max_ram_usage (MB)	30.98

environment

Ignore seconds from beginning	5
Memory check enabled	0
Msg name	Struct32k
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