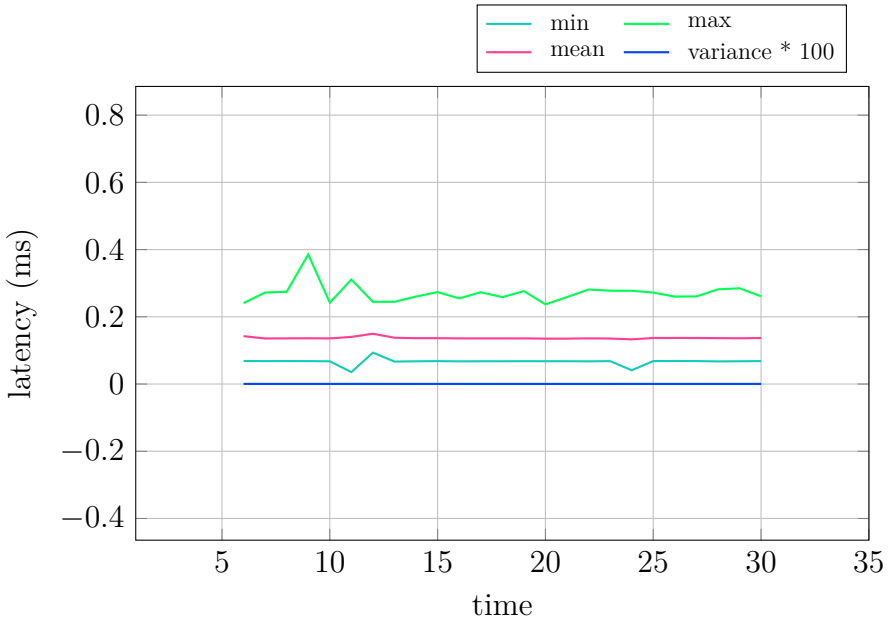
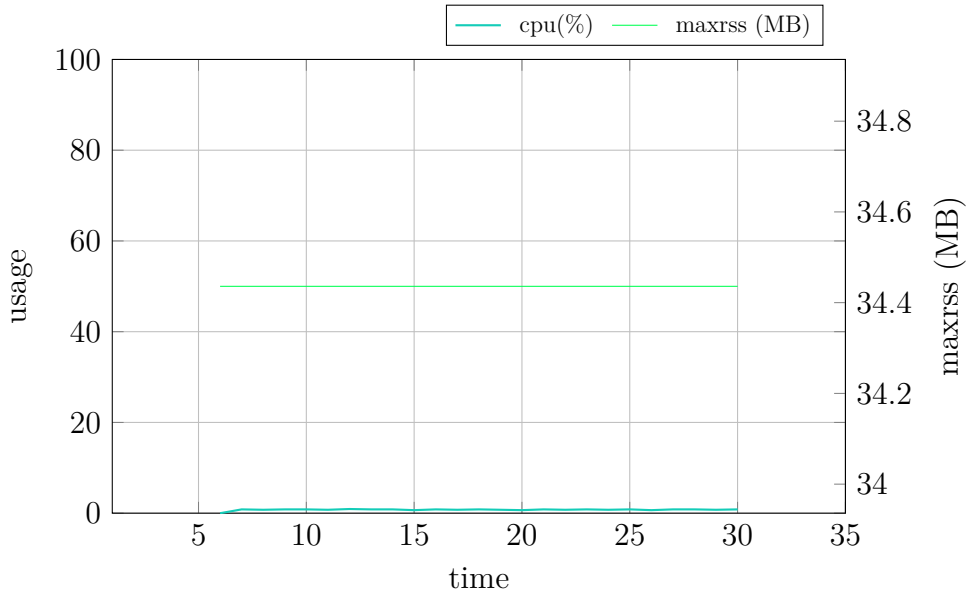
Performance fastrtps

Logfile name	6f8bc7a5-7c0e-4f46-b1a0-ba03aa6c2f44.csv
Experiment id	cefa2e6e-cffe-4830-aa5d-1b37a7c4bd73
Communication mean	RCLCPP_SINGLE_THREADED_EXECUTOR



Latencies



Resource usage (man getrusage)

test setup

Performance Test Version	2113db4
Publishing rate	100
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	1.0001
received	990.4
sent	99.04
lost	0.0
relative_loss	0.0
data_received	32002.8
latency_min (ms)	0.0665
latency_max (ms)	0.2706
latency_mean (ms)	0.137
latency_variance (ms)	0.0
pub_loop_res_min (ms)	9.9016
pub_loop_res_max (ms)	9.9285
pub_loop_res_mean (ms)	9.904
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 (%)	0.7596
max_ram_usage (MB)	34.44

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