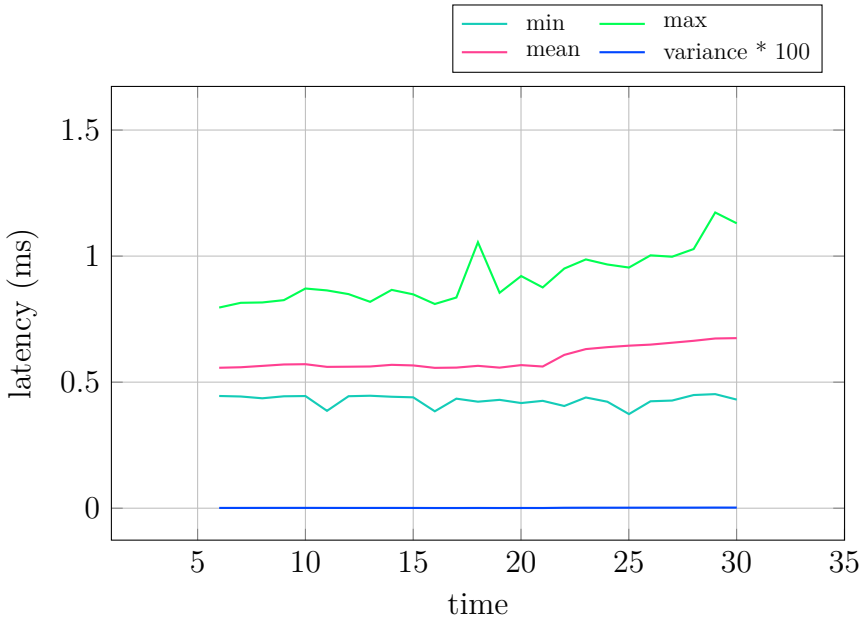
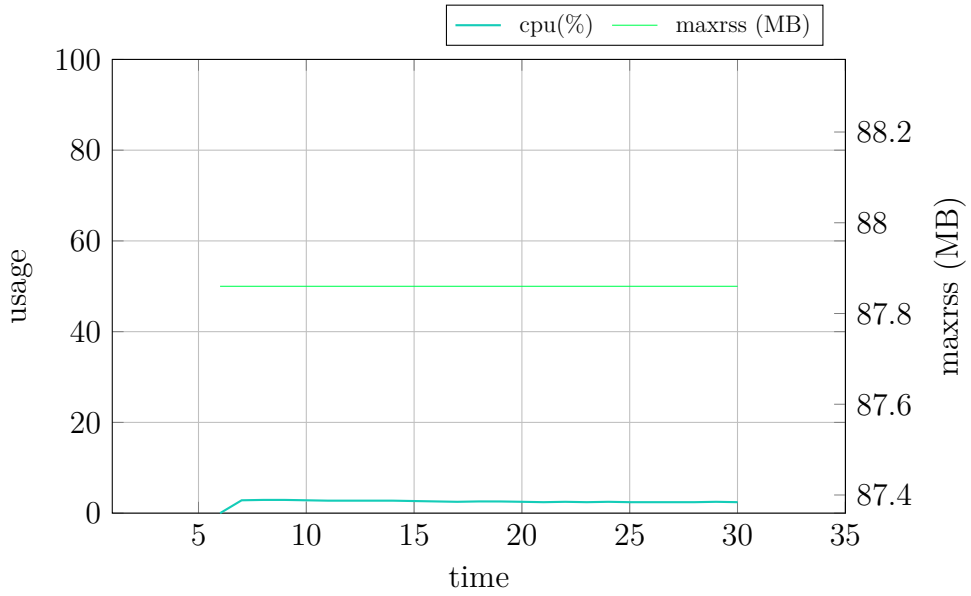
Performance fastrtps

Logfile name	e4ee1c08-c47c-4404-805d-39b688474ce2.csv
Experiment id	9516dcaf-c7ca-4503-9e00-84418c0c186e
Communication mean	RCLCPP_SINGLE_THREADED_EXECUTOR



Latencies



Resource usage (man getrusage)

test setup

Performance Test Version	2113db4
Publishing rate	100
Topic name	Struct32k
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	67735642.6
latency_min (ms)	0.4284
latency_max (ms)	0.9165
latency_mean (ms)	0.5939
latency_variance (ms)	0.0
pub_loop_res_min (ms)	9.7127
pub_loop_res_max (ms)	9.7622
pub_loop_res_mean (ms)	9.7388
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 (%)	2.4923
max_ram_usage (MB)	87.86

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