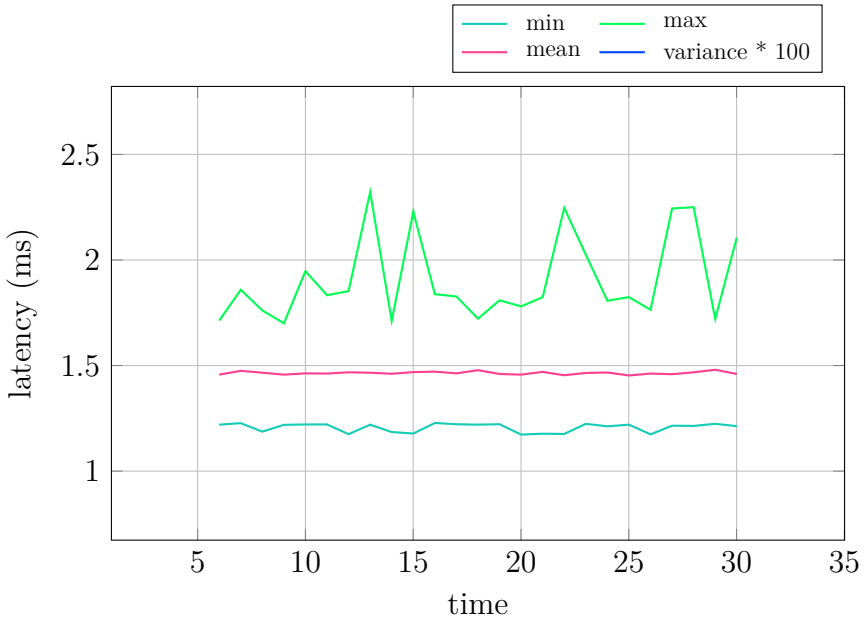
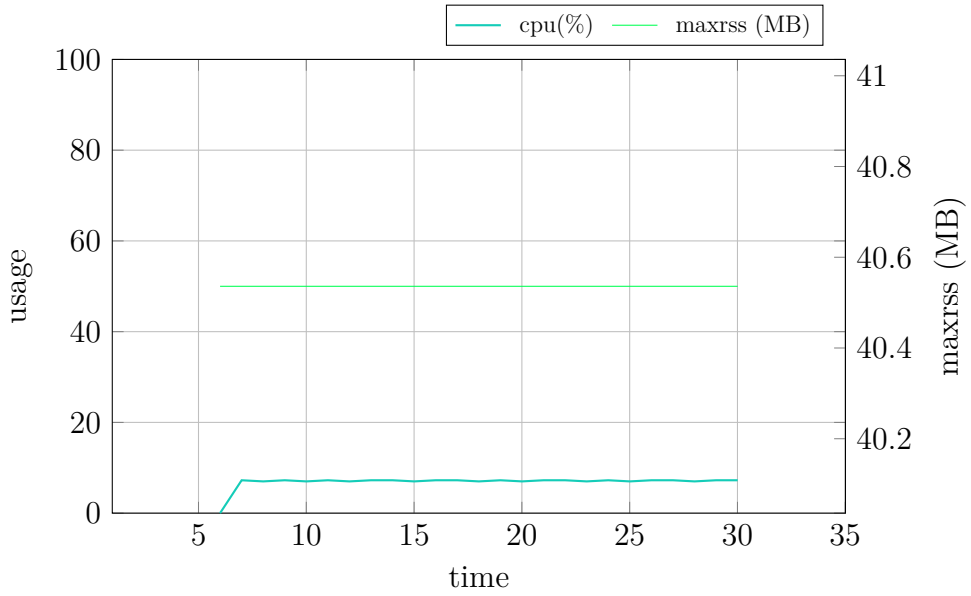
Performance fastrtps

Logfile name	c3ce0b75-7681-402a-9a49-5c5ebc840e05.csv
Experiment id	8eb6b592-00e7-452b-b7ac-7c8f7ca52693
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	3
Maximum runtime (sec)	30
DDS domain id	0
Single participant	-

average results

Experiment Status	success
T_loop	1.0001
received	297.12
sent	99.04
lost	0.0
relative_loss	0.0
data_received	20319449.36
latency_min (ms)	1.2067
latency_max (ms)	1.9087
latency_mean (ms)	1.4644
latency_variance (ms)	0.0
pub_loop_res_min (ms)	8.8767
pub_loop_res_max (ms)	9.2471
pub_loop_res_mean (ms)	9.0725
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 (%)	6.8676
max_ram_usage (MB)	40.54

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