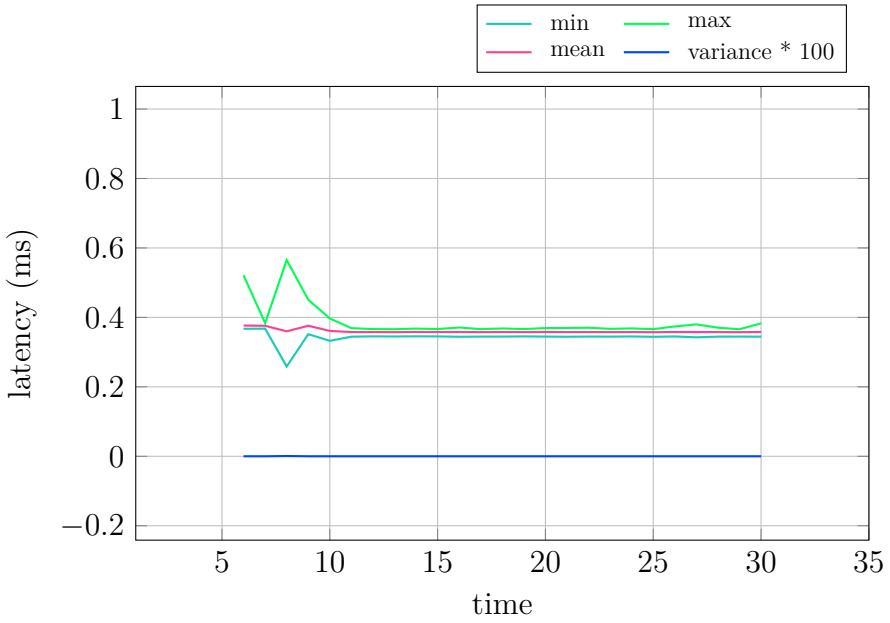
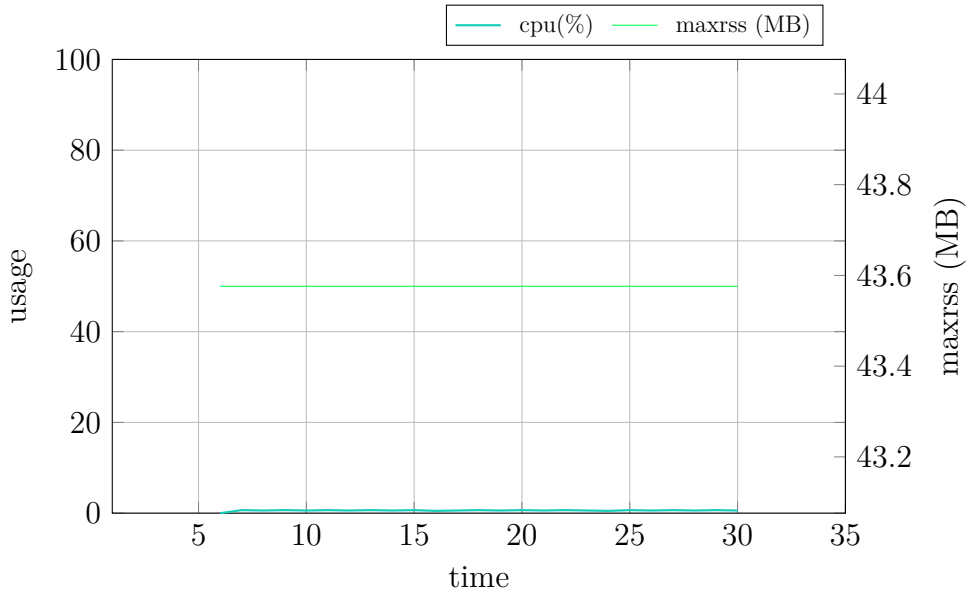
Performance fastrtps

Logfile name	7ee0f682-cbac-4458-a793-2cda439cd42f.csv
Experiment id	6d0dea90-8174-4898-b977-3f0aa40c1d6e
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	20323975.84
latency_min (ms)	0.3428
latency_max (ms)	0.3883
latency_mean (ms)	0.3602
latency_variance (ms)	0.0
pub_loop_res_min (ms)	9.7335
pub_loop_res_max (ms)	9.767
pub_loop_res_mean (ms)	9.7415
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 (%)	0.5896
max_ram_usage (MB)	43.58

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