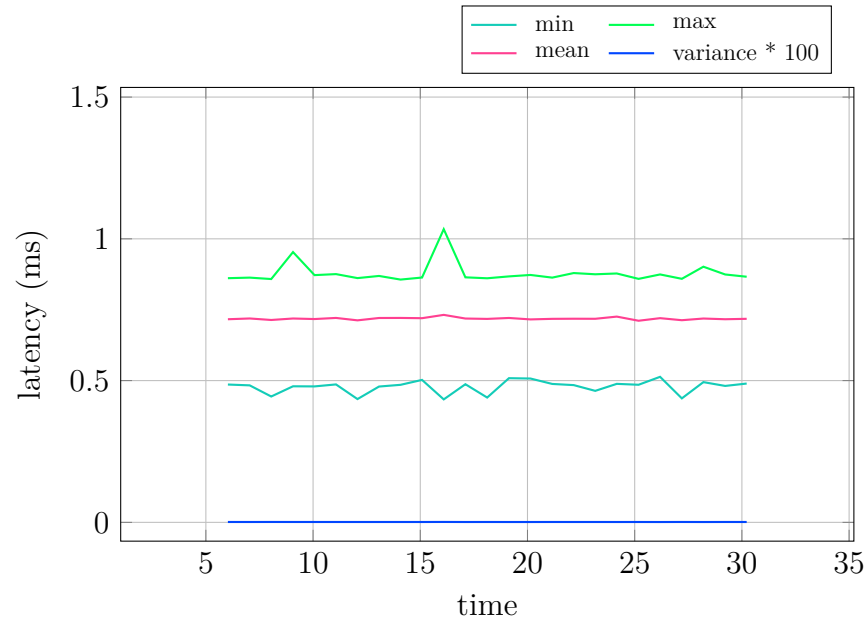
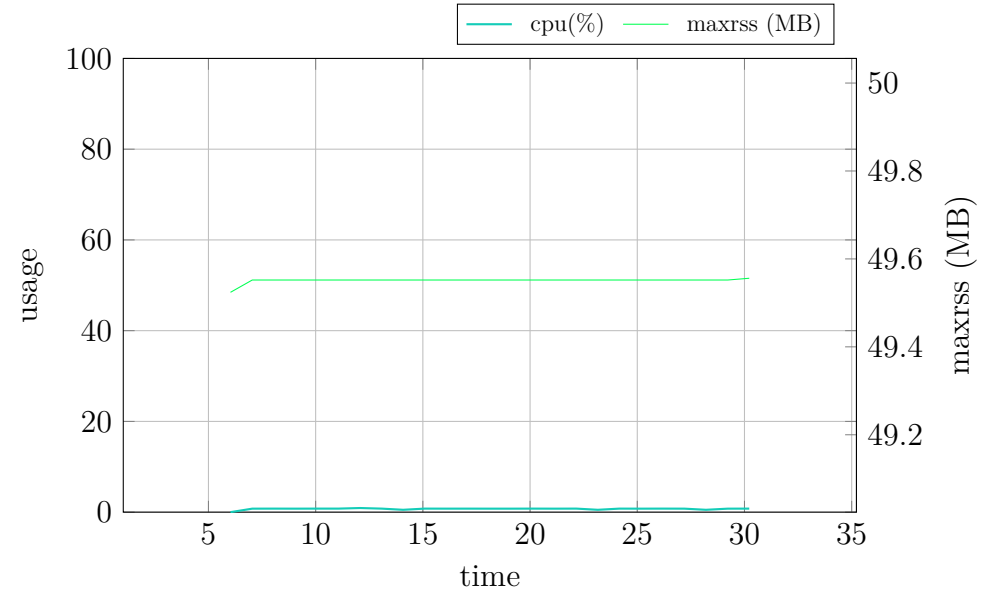


Performance fastrtps

Logfile name	16c392f9-478f-4c52-915e-4b1a769d2bad.csv
Experiment id	504836e4-8d8f-47cc-aeaa-03de823cb9b4
Communication mean	RCLCPP_SINGLE_THREADED_EXECUTOR



Latencies



Resource usage ([man getrusage](#))

test setup

Performance Test Version
Publishing rate
Topic name
Number of publishers
Number of subscribers
Maximum runtime (sec)
DDS domain id
Single participant

100
Struct32k

1

3

30

0

-

average results

Experiment Status

T_loop

received

sent

lost

relative_loss

data_received

latency_min (ms)

latency_max (ms)

latency_mean (ms)

latency_variance (ms)

pub_loop_res_min (ms)

pub_loop_res_max (ms)

pub_loop_res_mean (ms)

pub_loop_res_variance (ms)

sub_loop_res_min (ms)

sub_loop_res_max (ms)

sub_loop_res_mean (ms)

sub_loop_res_variance (ms)

cpu_usage (%)

max_ram_usage (MB)

success

1.0078

298.2

99.36

0.0

0.0

20313387.96

0.4785

0.8785

0.7185

0.0

-6.207

9.5906

2.0703

0.0196

0.0

0.0

0.0

0.0

0.7181

49.56

environment

Ignore seconds from beginning

Memory check enabled

Msg name

QOS Durability

QOS History depth

QOS History kind

QOS Reliability

QOS Sync. pub/sub

RMW Implementation

Roundtrip Mode

With security

Zero copy transfer

5

0

Struct32k

VOLATILE

100

KEEP_LAST

RELIABLE

0

rmw_fastrtps_cpp

NONE

0

0

Performance Test Version	100	Experiment Status	success	Ignore seconds from beginning	5
Publishing rate	100	T_loop	1.0078	Memory check enabled	0
Topic name	Struct32k	received	298.2	Msg name	Struct32k
Number of publishers	1	sent	99.36	QOS Durability	VOLATILE
Number of subscribers	3	lost	0.0	QOS History depth	100
Maximum runtime (sec)	30	relative_loss	0.0	QOS History kind	KEEP_LAST
DDS domain id	0	data_received	20313387.96	QOS Reliability	RELIABLE
Single participant	-	latency_min (ms)	0.4785	QOS Sync. pub/sub	0
		latency_max (ms)	0.8785	RMW Implementation	rmw_fastrtps_cpp
		latency_mean (ms)	0.7185	Roundtrip Mode	NONE
		latency_variance (ms)	0.0	With security	0
		pub_loop_res_min (ms)	-6.207	Zero copy transfer	0
		pub_loop_res_max (ms)	9.5906		
		pub_loop_res_mean (ms)	2.0703		
		pub_loop_res_variance (ms)	0.0196		
		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 (%)	0.7181		
		max_ram_usage (MB)	49.56		