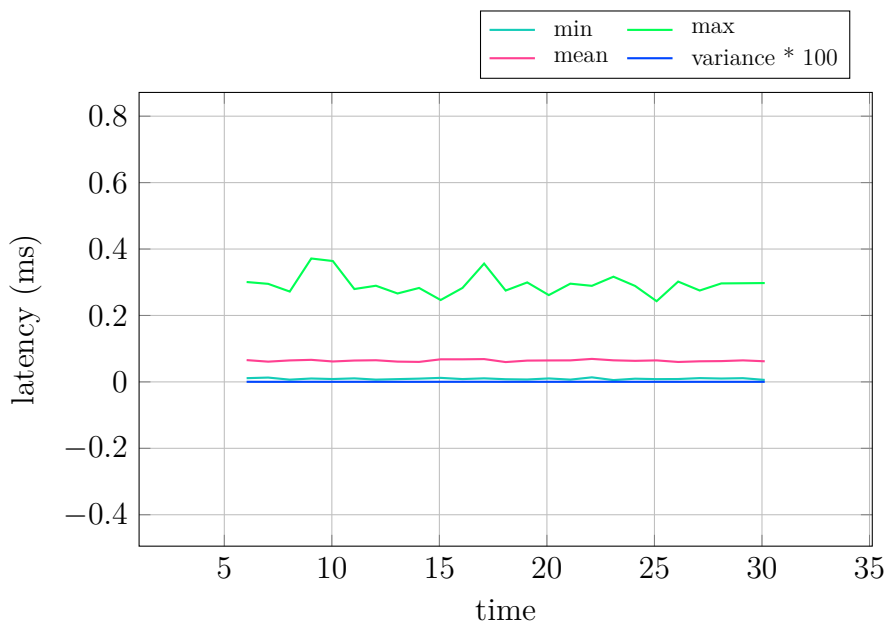
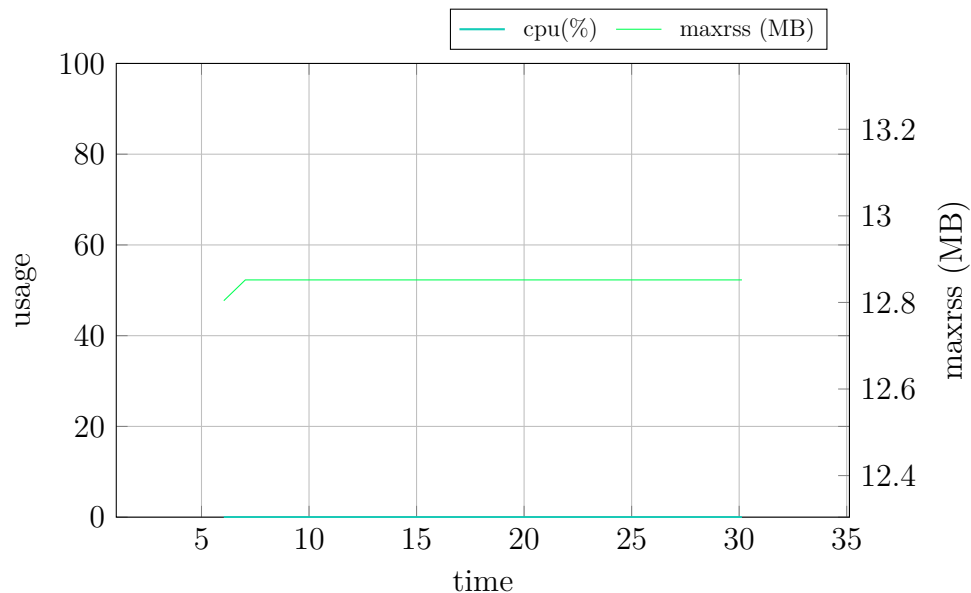


Performance cyclonedds

Logfile name	27acdc3a-7235-4f90-9f1d-f0d9d3ce2aac.csv
Experiment id	e65765d2-97db-4d25-9df1-02822915ffdb
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

500
Array16k

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

1.0042

1498.48

499.52

0.0

0.0

24601143.08

0.0093

0.2938

0.064

0.0

-14.3592

1.944

-5.8291

0.0204

0.0

0.0

0.0

0.0

0.0

12.85

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

Array16k

VOLATILE

100

KEEP_LAST

RELIABLE

0

rmw_cyclonedds_cpp

NONE

0

0

Performance Test Version	500	Experiment Status	success	Ignore seconds from beginning	5
Publishing rate	500	T_loop	1.0042	Memory check enabled	0
Topic name	Array16k	received	1498.48	Msg name	Array16k
Number of publishers	1	sent	499.52	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	24601143.08	QOS Reliability	RELIABLE
Single participant	-	latency_min (ms)	0.0093	QOS Sync. pub/sub	0
		latency_max (ms)	0.2938	RMW Implementation	rmw_cyclonedds_cpp
		latency_mean (ms)	0.064	Roundtrip Mode	NONE
		latency_variance (ms)	0.0	With security	0
		pub_loop_res_min (ms)	-14.3592	Zero copy transfer	0
		pub_loop_res_max (ms)	1.944		
		pub_loop_res_mean (ms)	-5.8291		
		pub_loop_res_variance (ms)	0.0204		
		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 (%)	0.0		
		max_ram_usage (MB)	12.85		