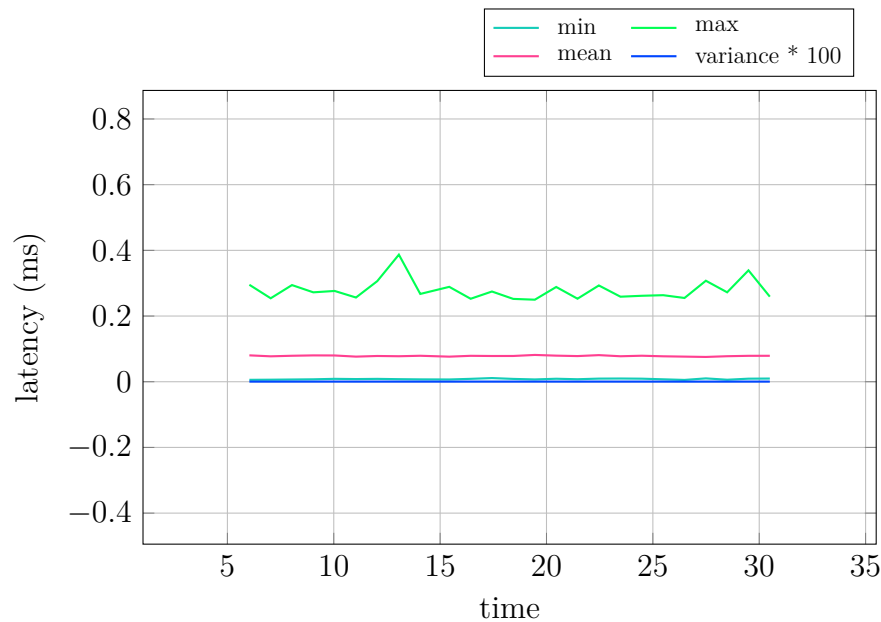
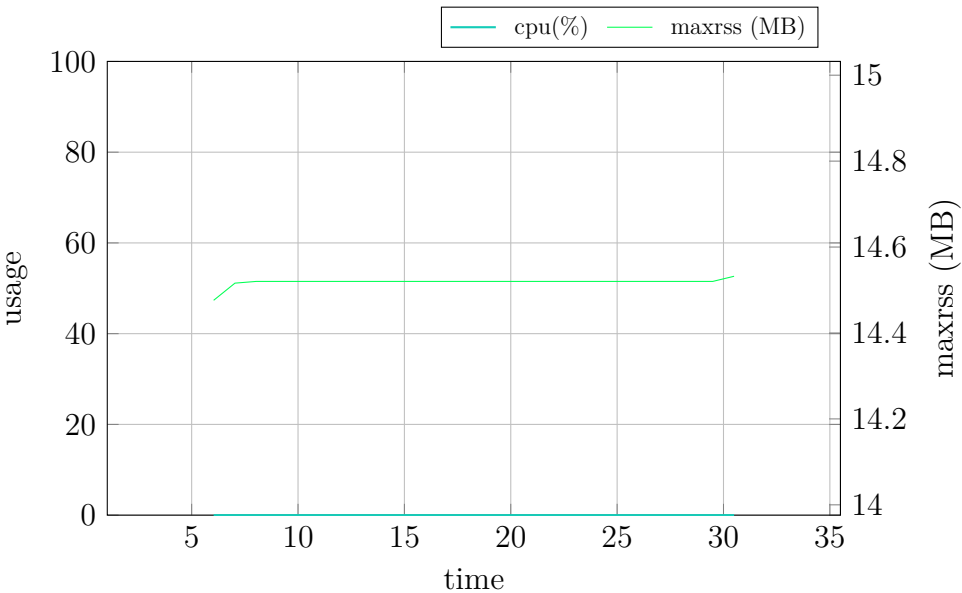


# Performance cyclonedds

Logfile name	8ad04c9d-9b71-406d-83f1-d4dab104fa95.csv
Experiment id	b25744e5-26fa-49c0-a7f9-a78e41390d34
Communication mean	RCLCPP_SINGLE_THREADED_EXECUTOR



Latencies



Resource usage ([man getusage](#))

## test setup

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

100  
Array16k  
1  
10  
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  
1.0046  
993.2  
99.32  
0.0  
0.0  
16400787.32  
0.0081  
0.2791  
0.0785  
0.0  
-5.6539  
9.8338  
2.1872  
0.0204  
0.0  
0.0  
0.0  
0.0  
0.0  
0.0  
14.53

## 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