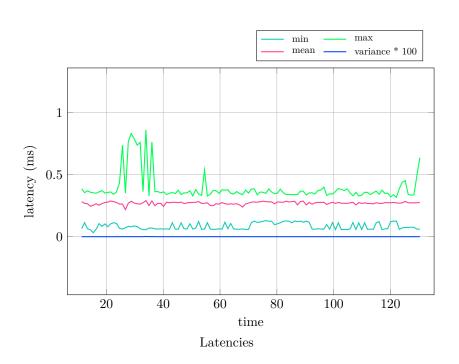
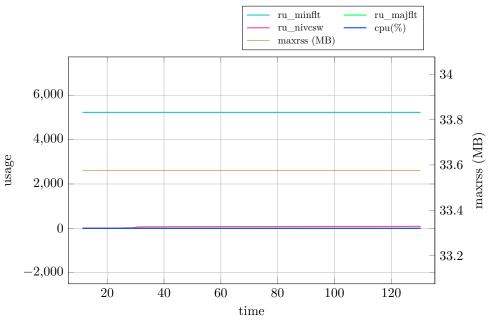
## Performance

 Logfile name
 log\_test\_topic\_29-11-2020\_11-58-45

 Experiment id
 dbec75a3-4b74-48a4-8ecc-6d138e7ab158

 Communication mean
 ROS2





Resource usage (man getrusage)

#### test setup

# Performance Test Version 80ff298 Publishing rate 50 Topic name test\_topic Number of publishers 1 Number of subscribers 55 Maximum runtime (sec) 130 DDS domain id 0 Single participant -

### average results

T_loop         1.0261           received         247.5385           sent         49.5299           lost         0.0           relative_loss         0.0           data_received         20000.812           latency_min (ms)         0.084           latency_max (ms)         0.3922           latency_mean (ms)         0.2711           latency_variance (ms)         0.0           pub_loop_res_min (ms)         19.4374           pub_loop_res_max (ms)         19.5342           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	Experiment Status	success
sent         49.5299           lost         0.0           relative_loss         0.0           data_received         20000.812           latency_min (ms)         0.084           latency_max (ms)         0.3922           latency_mean (ms)         0.2711           latency_variance (ms)         0.0           pub_loop_res_min (ms)         19.4374           pub_loop_res_mean (ms)         19.8766           pub_loop_res_mean (ms)         19.5342           pub_loop_res_variance (ms)         0.0           sub_loop_res_min (ms)         0.0           sub_loop_res_mean (ms)         0.0           sub_loop_res_mean (ms)         0.0           sub_loop_res_variance (ms)         0.0           sub_loop_res_variance (ms)         0.0	T_loop	1.0261
lost         0.0           relative_loss         0.0           data_received         20000.812           latency_min (ms)         0.084           latency_max (ms)         0.3922           latency_mean (ms)         0.2711           latency_variance (ms)         0.0           pub_loop_res_min (ms)         19.4374           pub_loop_res_mean (ms)         19.8766           pub_loop_res_mean (ms)         19.5342           pub_loop_res_variance (ms)         0.0           sub_loop_res_min (ms)         0.0           sub_loop_res_mean (ms)         0.0           sub_loop_res_variance (ms)         0.0           sub_loop_res_variance (ms)         0.0           sub_loop_res_variance (ms)         0.0	received	247.5385
relative_loss         0.0           data_received         20000.812           latency_min (ms)         0.084           latency_max (ms)         0.3922           latency_mean (ms)         0.2711           latency_variance (ms)         0.0           pub_loop_res_min (ms)         19.4374           pub_loop_res_mean (ms)         19.5342           pub_loop_res_variance (ms)         0.0           sub_loop_res_min (ms)         0.0           sub_loop_res_mean (ms)         0.0           sub_loop_res_mean (ms)         0.0           sub_loop_res_variance (ms)         0.0           sub_loop_res_variance (ms)         0.0	sent	49.5299
data_received         20000.812           latency_min (ms)         0.084           latency_max (ms)         0.3922           latency_mean (ms)         0.2711           latency_variance (ms)         0.0           pub_loop_res_min (ms)         19.4374           pub_loop_res_max (ms)         19.8766           pub_loop_res_mean (ms)         19.5342           pub_loop_res_wariance (ms)         0.0           sub_loop_res_max (ms)         0.0           sub_loop_res_max (ms)         0.0           sub_loop_res_mean (ms)         0.0           sub_loop_res_variance (ms)         0.0           sub_loop_res_variance (ms)         0.0	lost	0.0
latency_min (ms)     0.084       latency_max (ms)     0.3922       latency_mean (ms)     0.2711       latency_variance (ms)     0.0       pub_loop_res_min (ms)     19.4374       pub_loop_res_max (ms)     19.8766       pub_loop_res_mean (ms)     19.5342       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       sub_loop_res_variance (ms)     0.0	relative_loss	0.0
latency_max (ms)     0.3922       latency_mean (ms)     0.2711       latency_variance (ms)     0.0       pub_loop_res_min (ms)     19.4374       pub_loop_res_max (ms)     19.8766       pub_loop_res_mean (ms)     19.5342       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       sub_loop_res_variance (ms)     0.0	data_received	20000.812
latency_mean (ms)     0.2711       latency_variance (ms)     0.0       pub_loop_res_min (ms)     19.4374       pub_loop_res_max (ms)     19.8766       pub_loop_res_mean (ms)     19.5342       pub_loop_res_variance (ms)     0.0       sub_loop_res_min (ms)     0.0       sub_loop_res_mean (ms)     0.0       sub_loop_res_mean (ms)     0.0       sub_loop_res_variance (ms)     0.0       sub_loop_res_variance (ms)     0.0	latency_min (ms)	0.084
latency_variance (ms)     0.0       pub_loop_res_min (ms)     19.4374       pub_loop_res_max (ms)     19.8766       pub_loop_res_mean (ms)     19.5342       pub_loop_res_variance (ms)     0.0       sub_loop_res_min (ms)     0.0       sub_loop_res_mean (ms)     0.0       sub_loop_res_wariance (ms)     0.0       sub_loop_res_variance (ms)     0.0	latency_max (ms)	0.3922
pub_loop_res_min (ms)       19.4374         pub_loop_res_max (ms)       19.8766         pub_loop_res_mean (ms)       19.5342         pub_loop_res_variance (ms)       0.0         sub_loop_res_min (ms)       0.0         sub_loop_res_max (ms)       0.0         sub_loop_res_wariance (ms)       0.0         sub_loop_res_variance (ms)       0.0	latency_mean (ms)	0.2711
pub_loop_res_max (ms)       19.8766         pub_loop_res_mean (ms)       19.5342         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	latency_variance (ms)	0.0
pub_loop_res_mean (ms)       19.5342         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	pub_loop_res_min (ms)	19.4374
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	pub_loop_res_max (ms)	19.8766
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	pub_loop_res_mean (ms)	19.5342
sub_loop_res_max (ms)         0.0           sub_loop_res_mean (ms)         0.0           sub_loop_res_variance (ms)         0.0	pub_loop_res_variance (ms)	0.0
sub_loop_res_mean (ms)       0.0         sub_loop_res_variance (ms)       0.0	sub_loop_res_min (ms)	0.0
sub_loop_res_variance (ms) 0.0	sub_loop_res_max (ms)	0.0
	sub_loop_res_mean (ms)	0.0
cpu usage (%) 0.6876	sub_loop_res_variance (ms)	0.0
1 = 0 ( )	cpu_usage (%)	0.6876

### environment

Ignore seconds from beginning	10
Memory check enabled	0
Msg name	Range
QOS Durability	VOLATILE
QOS History depth	1000
QOS History kind	KEEP_ALL
QOS Reliability	BEST_EFFORT
QOS Sync. pub/sub	0
RMW Implementation	rmw_fastrtps_cpp
Roundtrip Mode	NONE
With security	0