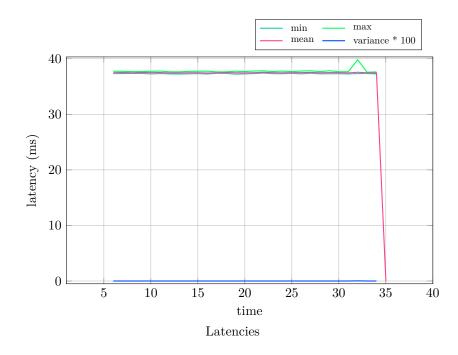
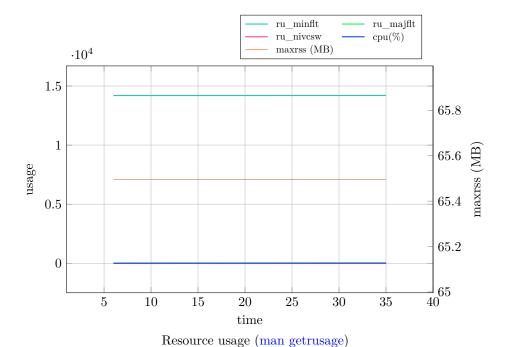
## Performance

Logfile name logs/interhost\_main\_Array2m\_20.csv
Experiment id d4310d8f-0861-4e99-b7da-28b979d4a6d4
Communication mean RCLCPP\_SINGLE\_THREADED\_EXECUTOR





test setup average results environment

Performance Test Version	2fc8cc2
Publishing rate	20
Topic name	Array2m
Number of publishers	1
Number of subscribers	1
Maximum runtime (sec)	35
DDS domain id	0
Single participant	-

Experiment Status         success           T_loop         1.0001           received         18.0667           sent         19.0           lost         0.0           relative_loss         0.0           data_received         39907969.9333           latency_min (ms)         inf           latency_max (ms)         -inf           latency_mean (ms)         36.2433           latency_variance (ms)         0.0           pub_loop_res_min (ms)         46.3957           pub_loop_res_max (ms)         46.7053           pub_loop_res_variance (ms)         0.0001           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           cpu_usage (%)         1.8377		
received 18.0667 sent 19.0 lost 0.0 relative_loss 0.0 data_received 39907969.9333 latency_min (ms) inf latency_max (ms) -inf latency_mean (ms) 36.2433 latency_variance (ms) 0.0 pub_loop_res_min (ms) 46.3957 pub_loop_res_max (ms) 46.9943 pub_loop_res_mean (ms) 46.7053 pub_loop_res_min (ms) 0.0 sub_loop_res_min (ms) 0.0 sub_loop_res_max (ms) 0.0 sub_loop_res_max (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_mean (ms) 0.0 sub_loop_res_mean (ms) 0.0 sub_loop_res_mean (ms) 0.0	Experiment Status	success
sent         19.0           lost         0.0           relative_loss         0.0           data_received         39907969.9333           latency_min (ms)         inf           latency_max (ms)         -inf           latency_wariance (ms)         0.0           pub_loop_res_min (ms)         46.3957           pub_loop_res_max (ms)         46.7053           pub_loop_res_wariance (ms)         0.0001           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	T_loop	1.0001
lost         0.0           relative_loss         0.0           data_received         39907969.9333           latency_min (ms)         inf           latency_max (ms)         -inf           latency_wariance (ms)         0.0           pub_loop_res_min (ms)         46.3957           pub_loop_res_max (ms)         46.7953           pub_loop_res_wariance (ms)         0.0001           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	received	18.0667
relative_loss         0.0           data_received         39907969.9333           latency_min (ms)         inf           latency_max (ms)         -inf           latency_mean (ms)         36.2433           latency_variance (ms)         0.0           pub_loop_res_min (ms)         46.3957           pub_loop_res_max (ms)         46.7053           pub_loop_res_variance (ms)         0.0001           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	sent	19.0
data_received         39907969.9333           latency_min (ms)         inf           latency_max (ms)         -inf           latency_mean (ms)         36.2433           latency_variance (ms)         0.0           pub_loop_res_min (ms)         46.3957           pub_loop_res_max (ms)         46.7053           pub_loop_res_wariance (ms)         0.0001           sub_loop_res_min (ms)         0.0           sub_loop_res_max (ms)         0.0           sub_loop_res_mean (ms)         0.0           sub_loop_res_wariance (ms)         0.0           sub_loop_res_variance (ms)         0.0	lost	0.0
latency_min (ms)         inf           latency_max (ms)         -inf           latency_mean (ms)         36.2433           latency_variance (ms)         0.0           pub_loop_res_min (ms)         46.3957           pub_loop_res_max (ms)         46.9943           pub_loop_res_mean (ms)         46.7053           pub_loop_res_wariance (ms)         0.0001           sub_loop_res_max (ms)         0.0           sub_loop_res_mean (ms)         0.0           sub_loop_res_mean (ms)         0.0           sub_loop_res_variance (ms)         0.0	relative_loss	0.0
latency_max (ms)       -inf         latency_mean (ms)       36.2433         latency_variance (ms)       0.0         pub_loop_res_min (ms)       46.3957         pub_loop_res_max (ms)       46.9943         pub_loop_res_mean (ms)       46.7053         pub_loop_res_variance (ms)       0.0001         sub_loop_res_max (ms)       0.0         sub_loop_res_mean (ms)       0.0         sub_loop_res_mean (ms)       0.0         sub_loop_res_variance (ms)       0.0	data_received	39907969.9333
latency_mean (ms)       36.2433         latency_variance (ms)       0.0         pub_loop_res_min (ms)       46.3957         pub_loop_res_max (ms)       46.9943         pub_loop_res_mean (ms)       46.7053         pub_loop_res_variance (ms)       0.0001         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	latency_min (ms)	inf
latency_variance (ms)     0.0       pub_loop_res_min (ms)     46.3957       pub_loop_res_max (ms)     46.9943       pub_loop_res_mean (ms)     46.7053       pub_loop_res_variance (ms)     0.0001       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	latency_max (ms)	-inf
pub_loop_res_min (ms)       46.3957         pub_loop_res_max (ms)       46.9943         pub_loop_res_mean (ms)       46.7053         pub_loop_res_variance (ms)       0.0001         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_mean (ms)	36.2433
pub_loop_res_max (ms)       46.9943         pub_loop_res_mean (ms)       46.7053         pub_loop_res_variance (ms)       0.0001         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)       46.7053         pub_loop_res_variance (ms)       0.0001         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)	46.3957
pub_loop_res_variance (ms)         0.0001           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)	46.9943
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)	46.7053
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)	0.0001
sub_loop_res_mean (ms)0.0sub_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 (%) 1.8377	sub_loop_res_variance (ms)	0.0
	cpu_usage (%)	1.8377

Ignore seconds from beginning	5
Memory check enabled	0
Msg name	Array2m
QOS Durability	VOLATILE
QOS History depth	16
QOS History kind	KEEP_LAST
QOS Reliability	RELIABLE
QOS Sync. pub/sub	0
RMW Implementation	rmw_cyclonedds_cpp
Roundtrip Mode	MAIN
With security	0
Zero copy transfer	0