Cross-run-ID Comparison Report

(differences in bold)

MHZ_PER_CPU:
haMSb: 3394
YL2EQ: 3000

HELICS_VERSION:
haMSb: 2.5.0 (2020
YL2EQ: 2.5.1

GENERATOR:
haMSb: Visual Studio 15 2017
YL2EQ: Visual Studio 16 2019

SYSTEM:
haMSb: Windows
YL2EQ: Windows

SYSTEM_VERSION:
haMSb: 10.0.18363
YL2EQ: 10.0.17763

PLATFORM:
haMSb: x64
YL2EQ: x64

CXX_COMPILER:
haMSb: MSVC
YL2EQ: MSVC

CXX_COMPILER_VERSION:
haMSb: 19.16.27026.1
YL2EQ: 19.26.28806.0

BUILD_FLAGS_STRING:
haMSb: /DWIN32 /D_WINDOWS /GR /EHsc /O2 /Ob2 /DNDEBUG /machine:x64 /EHsc;/std:c++14
YL2EQ: /DWIN32 /D_WINDOWS /GR /EHsc /O2 /Ob2 /DNDEBUG /machine:x64 /EHsc;/std:c++14

HOST_NAME:
haMSb: SIRIUS
YL2EQ: LEAVITT

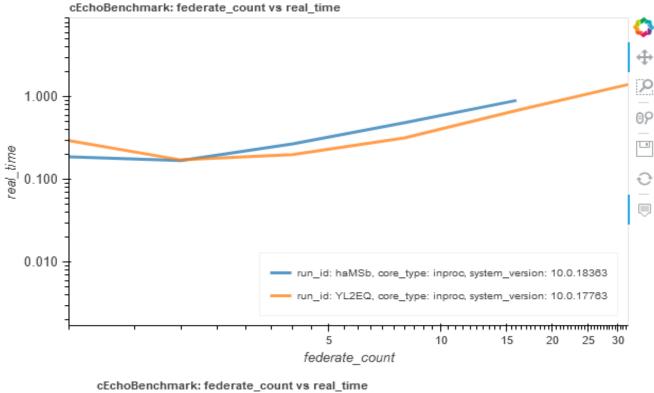HOST_PROCESSOR:
haMSb: AMD64
YL2EQ: AMD64

NUM_CPUS:
haMSb: 32
YL2EQ: 36

DATE:
haMSb: 04/28/20 21:21:37
YL2EQ: 06/04/20 09:07:39

LIBRARY_BUILD_TYPE:
haMSb: release
YL2EQ: release

cEchoBenchmark: federate_count vs real_time

real_time

1.000

0.100

0.010

run_id: haMSb, core_type: inproc, system_version: 10.0.18363
run_id: YL2EQ, core_type: inproc, system_version: 10.0.17763

5   10   15   20   25   30

federate_count

cEchoBenchmark: federate_count vs real_time

real_time

10.000

1.000

0.100

run_id: haMSb, core_type: ipc, system_version: 10.0.18363
run_id: YL2EQ, core_type: ipc, system_version: 10.0.17763

5   10   15

federate_count

cEchoBenchmark: federate_count vs real_time

run_id: haMSb, core_type: singleCore, system_version: 10.0.18363
run_id: YL2EQ, core_type: singleCore, system_version: 10.0.17763

cEchoBenchmark: federate_count vs real_time

run_id: haMSb, core_type: tcp, system_version: 10.0.18363
run_id: YL2EQ, core_type: tcp, system_version: 10.0.17763

cEchoBenchmark: federate_count vs real_time

cEchoBenchmark: federate_count vs real_time

cEchoBenchmark: federate_count vs real_time

run_id: haMSb, core_type: zmq, system_version: 10.0.18363
run_id: YL2EQ, core_type: zmq, system_version: 10.0.17763

cEchoBenchmark: federate_count vs real_time

run_id: haMSb, core_type: zmqss, system_version: 10.0.18363
run_id: YL2EQ, core_type: zmqss, system_version: 10.0.17763

echoBenchmark: federate_count vs real_time

run_id: haMSb, core_type: inproc, system_version: 10.0.18363
run_id: YL2EQ, core_type: inproc, system_version: 10.0.17763

real_time

federate_count

echoBenchmark: federate_count vs real_time

run_id: haMSb, core_type: ipc, system_version: 10.0.18363
run_id: YL2EQ, core_type: ipc, system_version: 10.0.17763

real_time

federate_count

echoBenchmark: federate_count vs real_time

run_id: haMSb, core_type: singleCore, system_version: 10.0.18363
run_id: YL2EQ, core_type: singleCore, system_version: 10.0.17763

echoBenchmark: federate_count vs real_time

run_id: haMSb, core_type: tcp, system_version: 10.0.18363
run_id: YL2EQ, core_type: tcp, system_version: 10.0.17763

echoBenchmark: federate_count vs real_time

run_id: haMSb, core_type: tcpss, system_version: 10.0.18363
run_id: YL2EQ, core_type: tcpss, system_version: 10.0.17763

echoBenchmark: federate_count vs real_time

run_id: haMSb, core_type: udp, system_version: 10.0.18363
run_id: YL2EQ, core_type: udp, system_version: 10.0.17763

echoBenchmark: federate_count vs real_time

- run_id: haMSb, core_type: zmq, system_version: 10.0.18363
- run_id: YL2EQ, core_type: zmq, system_version: 10.0.17763

echoBenchmark: federate_count vs real_time

- run_id: haMSb, core_type: zmqss, system_version: 10.0.18363
- run_id: YL2EQ, core_type: zmqss, system_version: 10.0.17763

echoMessageBenchmark: federate_count vs real_time

run_id: haMSb, core_type: inproc, system_version: 10.0.18363
run_id: YL2EQ, core_type: inproc, system_version: 10.0.17763

echoMessageBenchmark: federate_count vs real_time

run_id: haMSb, core_type: ipc, system_version: 10.0.18363
run_id: YL2EQ, core_type: ipc, system_version: 10.0.17763

echoMessageBenchmark: federate_count vs real_time

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echoMessageBenchmark: federate_count vs real_time

run_id: haMSb, core_type: tcpss, system_version: 10.0.18363
run_id: YL2EQ, core_type: tcpss, system_version: 10.0.17763

echoMessageBenchmark: federate_count vs real_time

run_id: haMSb, core_type: udp, system_version: 10.0.18363
run_id: YL2EQ, core_type: udp, system_version: 10.0.17763

echoMessageBenchmark: federate_count vs real_time

run_id: haMSb, core_type: zmq, system_version: 10.0.18363
run_id: YL2EQ, core_type: zmq, system_version: 10.0.17763

echoMessageBenchmark: federate_count vs real_time

run_id: haMSb, core_type: zmqss, system_version: 10.0.18363
run_id: YL2EQ, core_type: zmqss, system_version: 10.0.17763

filter, fltr_loc=dest: federate_count vs real_time

run_id: haMSb, core_type: inproc, system_version: 10.0.18363
run_id: YL2EQ, core_type: inproc, system_version: 10.0.17763

filter, fltr_loc=dest: federate_count vs real_time

run_id: haMSb, core_type: singleCore, system_version: 10.0.18363
run_id: YL2EQ, core_type: singleCore, system_version: 10.0.17763

filter, fltr_loc=dest: federate_count vs real_time

run_id: haMSb, core_type: zmq, system_version: 10.0.18363
run_id: YL2EQ, core_type: zmq, system_version: 10.0.17763

filter, fltr_loc=dest: federate_count vs real_time

run_id: haMSb, core_type: zmqss, system_version: 10.0.18363
run_id: YL2EQ, core_type: zmqss, system_version: 10.0.17763

filter, fltr_loc=source: federate_count vs real_time

run_id: haMSb, core_type: inproc, system_version: 10.0.18363
run_id: YL2EQ, core_type: inproc, system_version: 10.0.17763

filter, fltr_loc=source: federate_count vs real_time

run_id: haMSb, core_type: singleCore, system_version: 10.0.18363
run_id: YL2EQ, core_type: singleCore, system_version: 10.0.17763

filter, fltr_loc=source: federate_count vs real_time

run_id: haMSb, core_type: zmq, system_version: 10.0.18363
run_id: YL2EQ, core_type: zmq, system_version: 10.0.17763

filter, fltr_loc=source: federate_count vs real_time

run_id: haMSb, core_type: zmqss, system_version: 10.0.18363
run_id: YL2EQ, core_type: zmqss, system_version: 10.0.17763

filter, singleCore: federate_count vs real_time

	run_id: haMSb, core_type: singleCore, system_version: 10.0.18363
	run_id: YL2EQ, core_type: singleCore, system_version: 10.0.17763

messageLookup, fed_ct=2: interface_count vs real_time

	run_id: haMSb, core_type: inproc, system_version: 10.0.18363
	run_id: YL2EQ, core_type: inproc, system_version: 10.0.17763

messageLookup, fed_ct=64: interface_count vs real_time

run_id: haMSb, core_type: inproc, system_version: 10.0.18363
run_id: YL2EQ, core_type: inproc, system_version: 10.0.17763

messageLookup, fed_ct=8: interface_count vs real_time

run_id: haMSb, core_type: inproc, system_version: 10.0.18363
run_id: YL2EQ, core_type: inproc, system_version: 10.0.17763

ringBenchmark: federate_count vs real_time

run_id: haMSb, core_type: inproc, system_version: 10.0.18363
run_id: YL2EQ, core_type: inproc, system_version: 10.0.17763

ringBenchmark: federate_count vs real_time

run_id: haMSb, core_type: ipc, system_version: 10.0.18363
run_id: YL2EQ, core_type: ipc, system_version: 10.0.17763

ringBenchmark: federate_count vs real_time

run_id: haMSb, core_type: tcp, system_version: 10.0.18363
run_id: YL2EQ, core_type: tcp, system_version: 10.0.17763

ringBenchmark: federate_count vs real_time

run_id: haMSb, core_type: tcpss, system_version: 10.0.18363
run_id: YL2EQ, core_type: tcpss, system_version: 10.0.17763

ringBenchmark: federate_count vs real_time

run_id: haMSb, core_type: udp, system_version: 10.0.18363
run_id: YL2EQ, core_type: udp, system_version: 10.0.17763

ringBenchmark: federate_count vs real_time

run_id: haMSb, core_type: zmq, system_version: 10.0.18363
run_id: YL2EQ, core_type: zmq, system_version: 10.0.17763

ringBenchmark: federate_count vs real_time

run_id: haMSb, core_type: zmqss, system_version: 10.0.18363
run_id: YL2EQ, core_type: zmqss, system_version: 10.0.17763

ringMessageBenchmark: federate_count vs real_time

run_id: haMSb, core_type: inproc, system_version: 10.0.18363
run_id: YL2EQ, core_type: inproc, system_version: 10.0.17763

ringMessageBenchmark: federate_count vs real_time

ringMessageBenchmark: federate_count vs real_time

ringMessageBenchmark: federate_count vs real_time

run_id: haMSb, core_type: tcpss, system_version: 10.0.18363
run_id: YL2EQ, core_type: tcpss, system_version: 10.0.17763

ringMessageBenchmark: federate_count vs real_time

run_id: haMSb, core_type: udp, system_version: 10.0.18363
run_id: YL2EQ, core_type: udp, system_version: 10.0.17763

ringMessageBenchmark: federate_count vs real_time

Legend:
- run_id: haMSb, core_type: zmq, system_version: 10.0.18363
- run_id: YL2EQ, core_type: zmq, system_version: 10.0.17763

ringMessageBenchmark: federate_count vs real_time

Legend:
- run_id: haMSb, core_type: zmqss, system_version: 10.0.18363
- run_id: YL2EQ, core_type: zmqss, system_version: 10.0.17763

timingBenchmark: federate_count vs real_time

run_id: haMSb, core_type: inproc, system_version: 10.0.18363
run_id: YL2EQ, core_type: inproc, system_version: 10.0.17763

timingBenchmark: federate_count vs real_time

run_id: haMSb, core_type: ipc, system_version: 10.0.18363
run_id: YL2EQ, core_type: ipc, system_version: 10.0.17763

timingBenchmark: federate_count vs real_time

run_id: haMSb, core_type: singleCore, system_version: 10.0.18363
run_id: YL2EQ, core_type: singleCore, system_version: 10.0.17763

timingBenchmark: federate_count vs real_time

run_id: haMSb, core_type: tcp, system_version: 10.0.18363
run_id: YL2EQ, core_type: tcp, system_version: 10.0.17763

timingBenchmark: federate_count vs real_time

run_id: haMSb, core_type: tcpss, system_version: 10.0.18363
run_id: YL2EQ, core_type: tcpss, system_version: 10.0.17763

timingBenchmark: federate_count vs real_time

run_id: haMSb, core_type: udp, system_version: 10.0.18363
run_id: YL2EQ, core_type: udp, system_version: 10.0.17763

timingBenchmark: federate_count vs real_time

run_id: haMSb, core_type: zmq, system_version: 10.0.18363
run_id: YL2EQ, core_type: zmq, system_version: 10.0.17763

timingBenchmark: federate_count vs real_time

run_id: haMSb, core_type: zmqss, system_version: 10.0.18363
run_id: YL2EQ, core_type: zmqss, system_version: 10.0.17763