Cross-run-ID Comparison Report

(differences in bold)

MHZ_PER_CPU:
Md3vp: 3394
haMSb: 3394

HELICS_VERSION:
Md3vp: 2.3.1
haMSb: 2.5.0 (2020

GENERATOR:
Md3vp: Visual Studio 15 2017
haMSb: Visual Studio 15 2017

SYSTEM:
Md3vp: Windows
haMSb: Windows

SYSTEM_VERSION:
Md3vp: 10.0.18362
haMSb: 10.0.18363

PLATFORM:
Md3vp:
haMSb: x64

CXX_COMPILER:
Md3vp: MSVC
haMSb: MSVC

CXX_COMPILER_VERSION:
Md3vp: 19.16.27026.1
haMSb: 19.16.27026.1

BUILD_FLAGS_STRING:
Md3vp: /DWIN32 /D_WINDOWS /W3 /GR /EHsc /MD /O2 /Ob2 /DNDEBUG /machine:x64
/EHsc;/std:c++14
haMSb: /DWIN32 /D_WINDOWS /GR /EHsc /O2 /Ob2 /DNDEBUG /machine:x64 /EHsc;/std:c++14

HOST_NAME:
Md3vp: SIRIUS
haMSb: SIRIUS
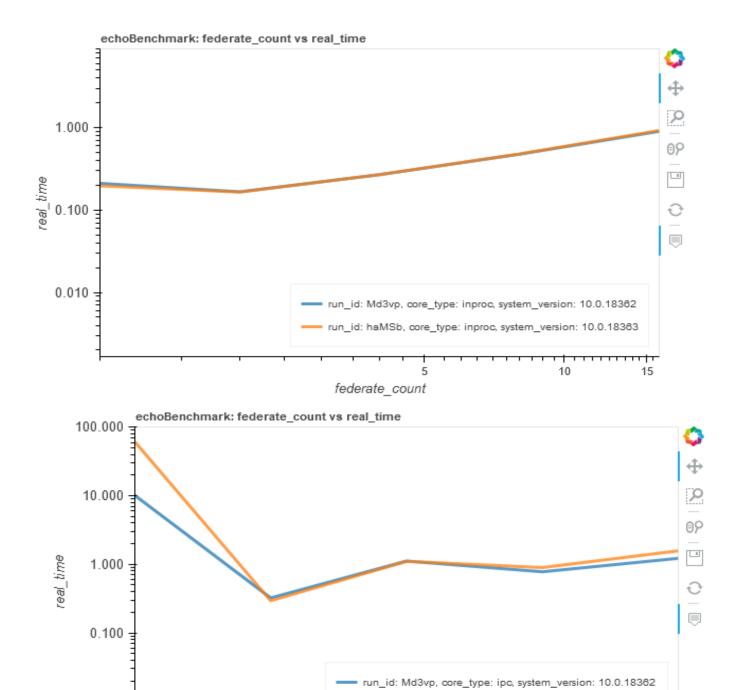
HOST_PROCESSOR:
Md3vp: AMD64
haMSb: AMD64

NUM_CPUS:
Md3vp: 32
haMSb: 32

DATE:
Md3vp: 11/28/19 08:01:41
haMSb: 04/28/20 21:21:37

LIBRARY_BUILD_TYPE:
Md3vp: release
haMSb: release

echoBenchmark: federate_count vs real_time

run_id: Md3vp, core_type: inproc, system_version: 10.0.18362
run_id: haMSb, core_type: inproc, system_version: 10.0.18363

federate_count

echoBenchmark: federate_count vs real_time

run_id: Md3vp, core_type: ipc, system_version: 10.0.18362
run_id: haMSb, core_type: ipc, system_version: 10.0.18363

federate_count

echoBenchmark: federate_count vs real_time

Legend:
- run_id: Md3vp, core_type: singleCore, system_version: 10.0.18362
- run_id: haMSb, core_type: singleCore, system_version: 10.0.18363

x-axis: federate_count
y-axis: real_time

echoBenchmark: federate_count vs real_time

Legend:
- run_id: Md3vp, core_type: tcp, system_version: 10.0.18362
- run_id: haMSb, core_type: tcp, system_version: 10.0.18363

x-axis: federate_count
y-axis: real_time

echoBenchmark: federate_count vs real_time

- run_id: Md3vp, core_type: tcpss, system_version: 10.0.18362
- run_id: haMSb, core_type: tcpss, system_version: 10.0.18363

echoBenchmark: federate_count vs real_time

- run_id: Md3vp, core_type: udp, system_version: 10.0.18362
- run_id: haMSb, core_type: udp, system_version: 10.0.18363

echoBenchmark: federate_count vs real_time

run_id: Md3vp, core_type: zmq, system_version: 10.0.18362
run_id: haMSb, core_type: zmq, system_version: 10.0.18363

echoBenchmark: federate_count vs real_time

run_id: Md3vp, core_type: zmqss, system_version: 10.0.18362
run_id: haMSb, core_type: zmqss, system_version: 10.0.18363

echoMessageBenchmark: federate_count vs real_time

echoMessageBenchmark: federate_count vs real_time

echoMessageBenchmark: federate_count vs real_time

—	run_id: Md3vp, core_type: singleCore, system_version: 10.0.18362
—	run_id: haMSb, core_type: singleCore, system_version: 10.0.18363

echoMessageBenchmark: federate_count vs real_time

—	run_id: Md3vp, core_type: tcp, system_version: 10.0.18362
—	run_id: haMSb, core_type: tcp, system_version: 10.0.18363

echoMessageBenchmark: federate_count vs real_time
(Top chart: real_time vs federate_count)
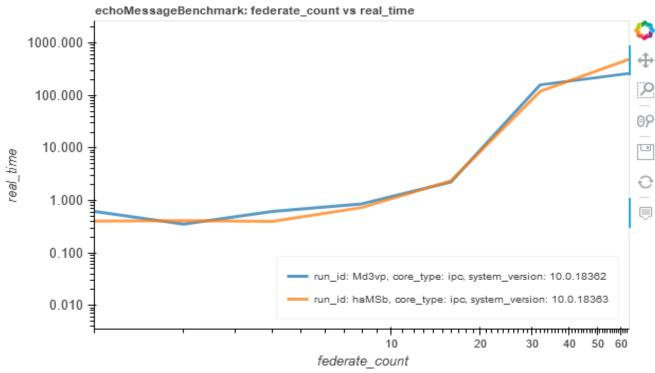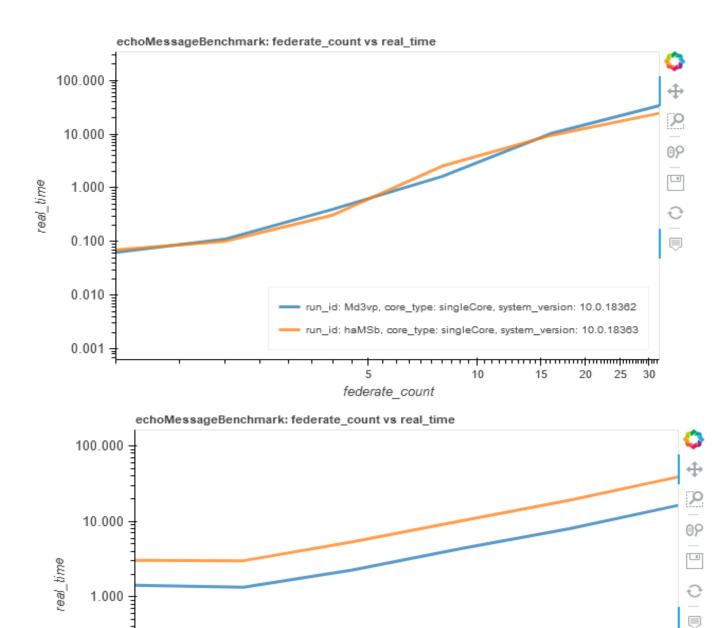- run_id: Md3vp, core_type: tcpss, system_version: 10.0.18362
- run_id: haMSb, core_type: tcpss, system_version: 10.0.18363

echoMessageBenchmark: federate_count vs real_time
(Bottom chart: real_time vs federate_count)
- run_id: Md3vp, core_type: udp, system_version: 10.0.18362
- run_id: haMSb, core_type: udp, system_version: 10.0.18363

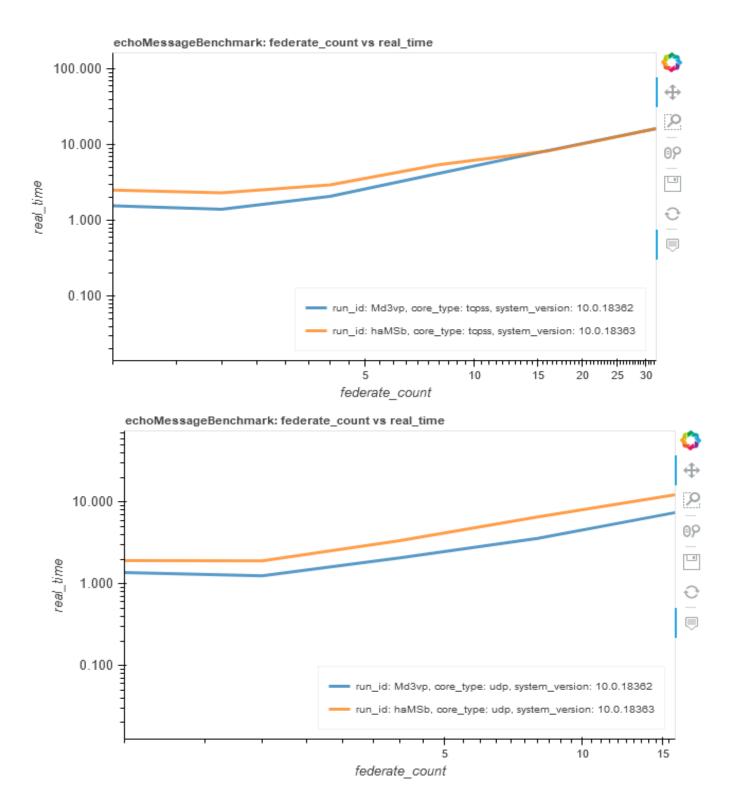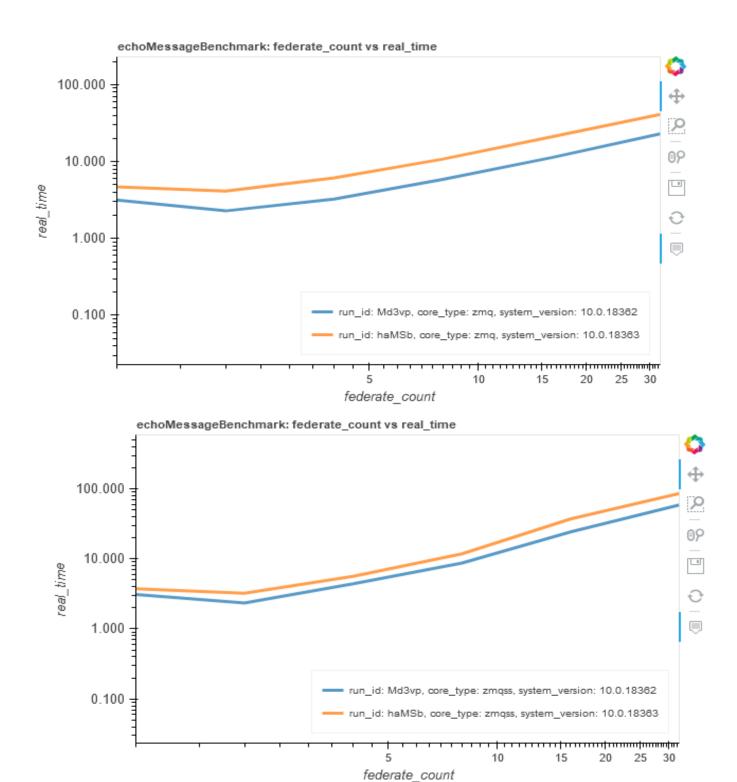**echoMessageBenchmark: federate_count vs real_time**

run_id: Md3vp, core_type: zmq, system_version: 10.0.18362
run_id: haMSb, core_type: zmq, system_version: 10.0.18363

federate_count

echoMessageBenchmark: federate_count vs real_time

run_id: Md3vp, core_type: zmqss, system_version: 10.0.18362
run_id: haMSb, core_type: zmqss, system_version: 10.0.18363

federate_count

messageLookup, fed_ct=2: interface_count vs real_time

Legend:
- run_id: Md3vp, core_type: inproc, system_version: 10.0.18362
- run_id: haMSb, core_type: inproc, system_version: 10.0.18363

messageLookup, fed_ct=64: interface_count vs real_time

Legend:
- run_id: Md3vp, core_type: inproc, system_version: 10.0.18362
- run_id: haMSb, core_type: inproc, system_version: 10.0.18363

messageLookup, fed_ct=8: interface_count vs real_time

run_id: Md3vp, core_type: inproc, system_version: 10.0.18362
run_id: haMSb, core_type: inproc, system_version: 10.0.18363

messageSend, msg_ct=1: message_size vs real_time

run_id: Md3vp, core_type: inproc, system_version: 10.0.18362
run_id: haMSb, core_type: inproc, system_version: 10.0.18363

messageSend, msg_ct=1: message_size vs real_time

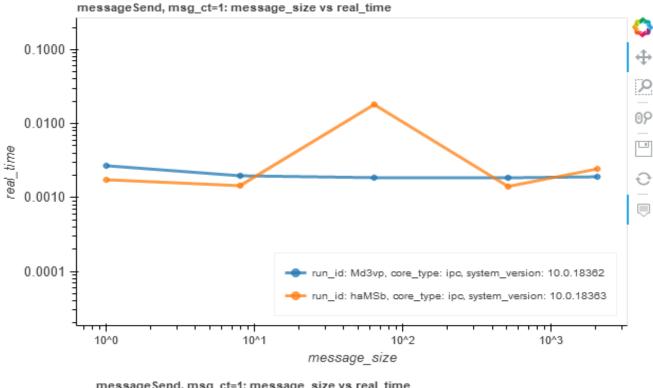run_id: Md3vp, core_type: ipc, system_version: 10.0.18362
run_id: haMSb, core_type: ipc, system_version: 10.0.18363

messageSend, msg_ct=1: message_size vs real_time

run_id: Md3vp, core_type: singleCore, system_version: 10.0.18362
run_id: haMSb, core_type: singleCore, system_version: 10.0.18363

messageSend, msg_ct=1: message_size vs real_time

Legend:
- run_id: Md3vp, core_type: tcp, system_version: 10.0.18362
- run_id: haMSb, core_type: tcp, system_version: 10.0.18363

messageSend, msg_ct=1: message_size vs real_time

Legend:
- run_id: Md3vp, core_type: tcpss, system_version: 10.0.18362
- run_id: haMSb, core_type: tcpss, system_version: 10.0.18363

messageSend, msg_ct=1: message_size vs real_time

run_id: Md3vp, core_type: udp, system_version: 10.0.18362
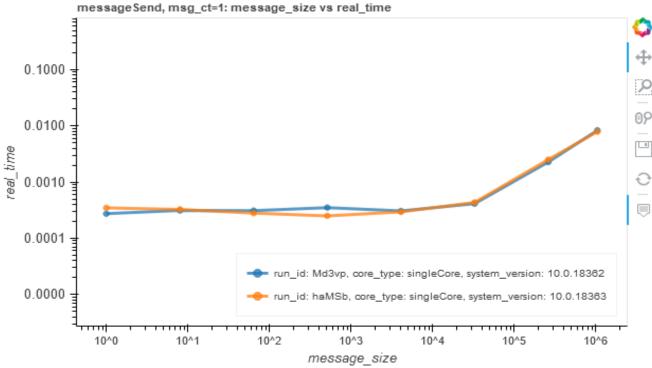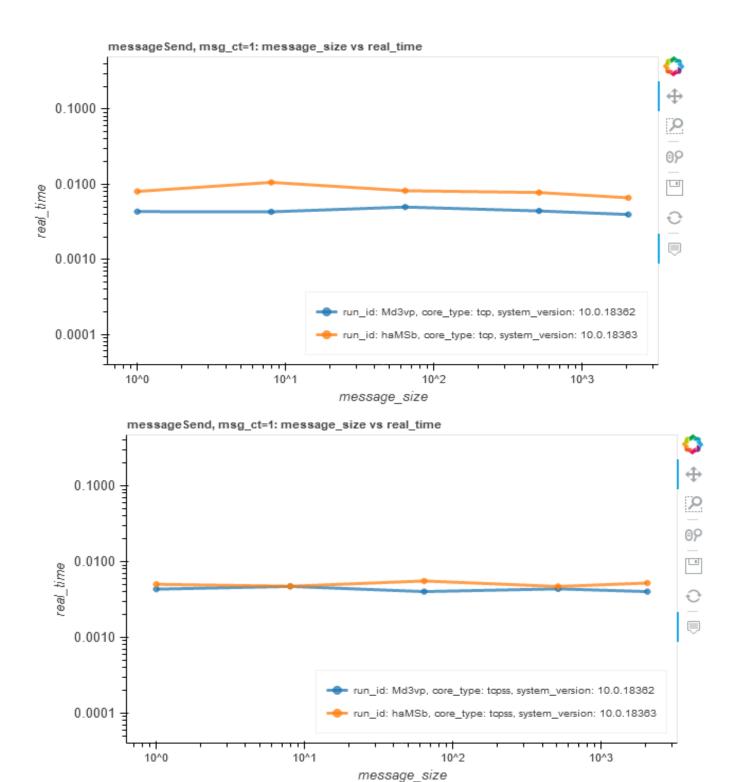run_id: haMSb, core_type: udp, system_version: 10.0.18363

messageSend, msg_ct=1: message_size vs real_time
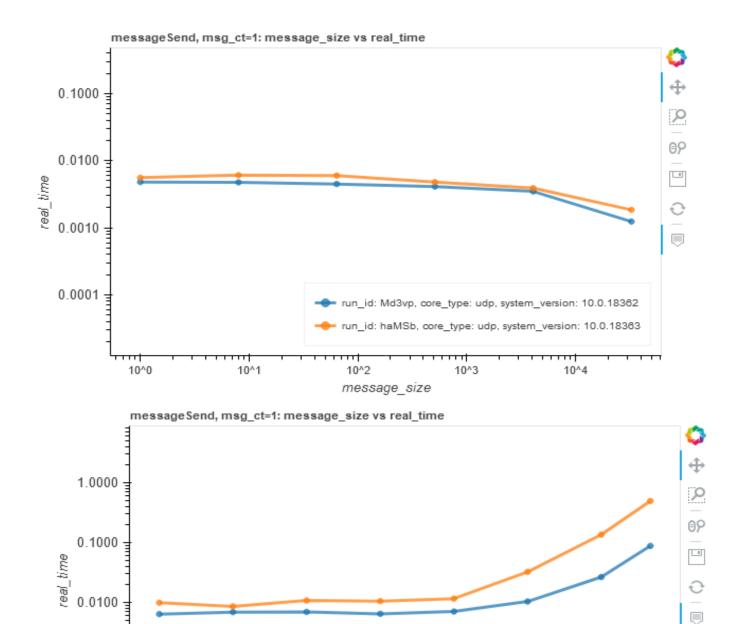
run_id: Md3vp, core_type: zmq, system_version: 10.0.18362
run_id: haMSb, core_type: zmq, system_version: 10.0.18363

messageSend, msg_ct=1: message_size vs real_time

run_id: Md3vp, core_type: zmqss, system_version: 10.0.18362
run_id: haMSb, core_type: zmqss, system_version: 10.0.18363

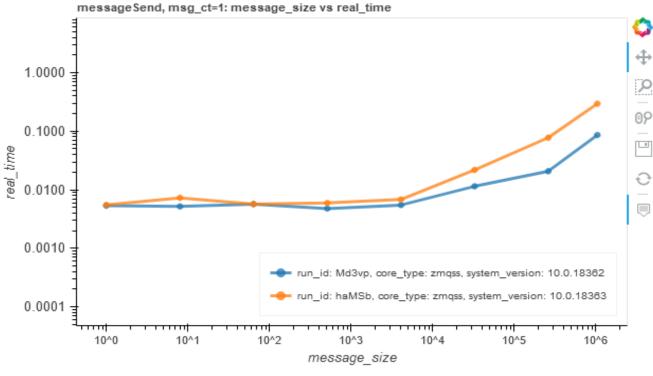**messageSend, msg_sz=1: message_count vs real_time**

run_id: Md3vp, core_type: inproc, system_version: 10.0.18362
run_id: haMSb, core_type: inproc, system_version: 10.0.18363

messageSend, msg_sz=1: message_count vs real_time

Legend:
- run_id: Md3vp, core_type: ipc, system_version: 10.0.18362
- run_id: haMSb, core_type: ipc, system_version: 10.0.18363

X-axis: message_count
Y-axis: real_time

messageSend, msg_sz=1: message_count vs real_time

Legend:
- run_id: Md3vp, core_type: singleCore, system_version: 10.0.18362
- run_id: haMSb, core_type: singleCore, system_version: 10.0.18363

X-axis: message_count
Y-axis: real_time

messageSend, msg_sz=1: message_count vs real_time

Legend:
- run_id: Md3vp, core_type: tcp, system_version: 10.0.18362
- run_id: haMSb, core_type: tcp, system_version: 10.0.18363

messageSend, msg_sz=1: message_count vs real_time

Legend:
- run_id: Md3vp, core_type: tcpss, system_version: 10.0.18362
- run_id: haMSb, core_type: tcpss, system_version: 10.0.18363

messageSend, msg_sz=1: message_count vs real_time

run_id: Md3vp, core_type: udp, system_version: 10.0.18362
run_id: haMSb, core_type: udp, system_version: 10.0.18363

messageSend, msg_sz=1: message_count vs real_time

run_id: Md3vp, core_type: zmq, system_version: 10.0.18362
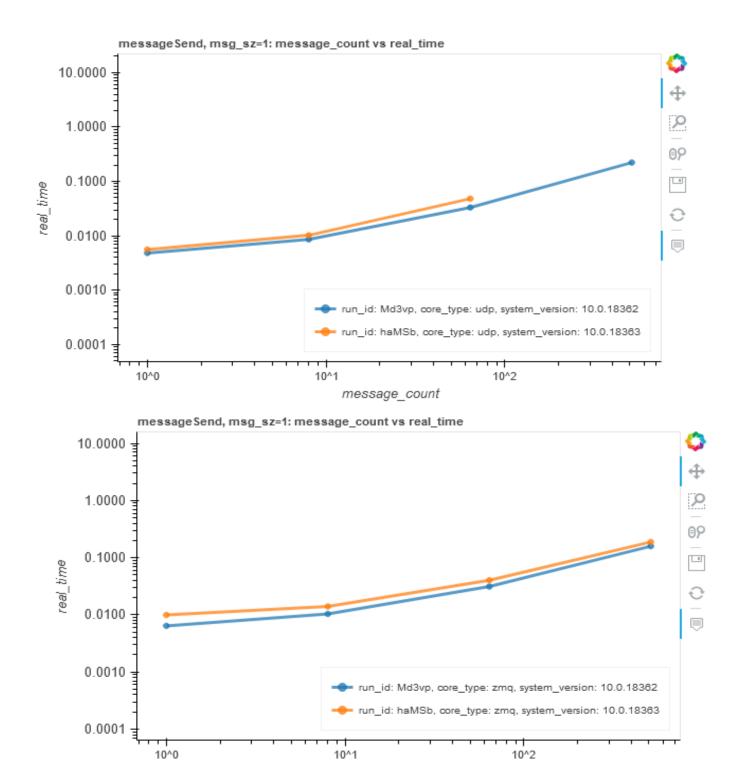run_id: haMSb, core_type: zmq, system_version: 10.0.18363

messageSend, msg_sz=1: message_count vs real_time
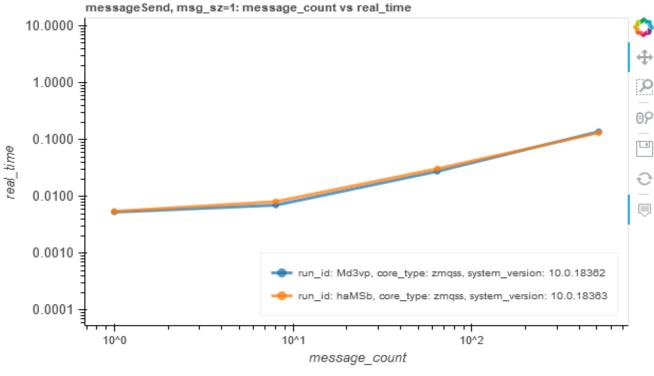
run_id: Md3vp, core_type: zmqss, system_version: 10.0.18362
run_id: haMSb, core_type: zmqss, system_version: 10.0.18363

messageSend, singleCore: message_size vs real_time

run_id: Md3vp, core_type: singleCore, system_version: 10.0.18362
run_id: haMSb, core_type: singleCore, system_version: 10.0.18363

pholdBenchmark: federate_count vs real_time

real_time

10.000

1.000

run_id: Md3vp, core_type: inproc, system_version: 10.0.18362
run_id: haMSb, core_type: inproc, system_version: 10.0.18363

10^0   10^1   10^2

federate_count

pholdBenchmark: federate_count vs real_time

real_time

1000.000

100.000

10.000

1.000

0.100

0.010

run_id: Md3vp, core_type: ipc, system_version: 10.0.18362
run_id: haMSb, core_type: ipc, system_version: 10.0.18363

10   20   30   40   50 60
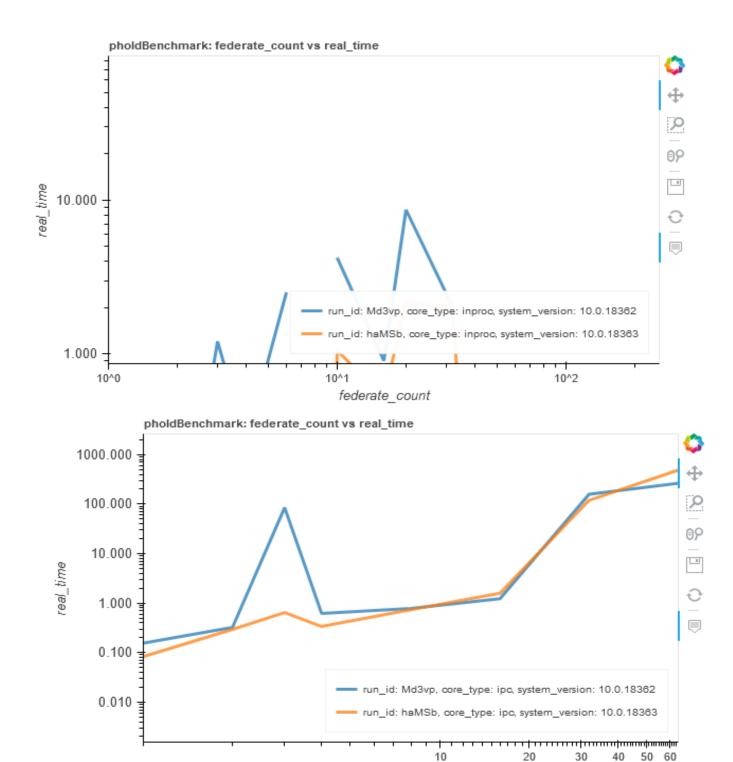
federate_count

pholdBenchmark: federate_count vs real_time

Legend:
- run_id: Md3vp, core_type: singleCore, system_version: 10.0.18362
- run_id: haMSb, core_type: singleCore, system_version: 10.0.18363

pholdBenchmark: federate_count vs real_time

Legend:
- run_id: Md3vp, core_type: tcp, system_version: 10.0.18362
- run_id: haMSb, core_type: tcp, system_version: 10.0.18363

pholdBenchmark: federate_count vs real_time

run_id: Md3vp, core_type: tcpss, system_version: 10.0.18362
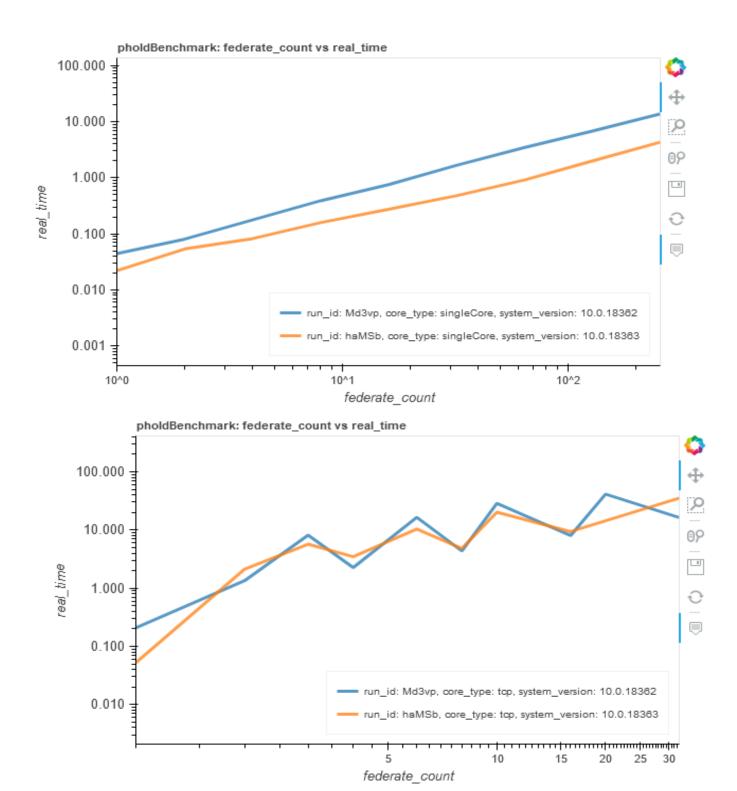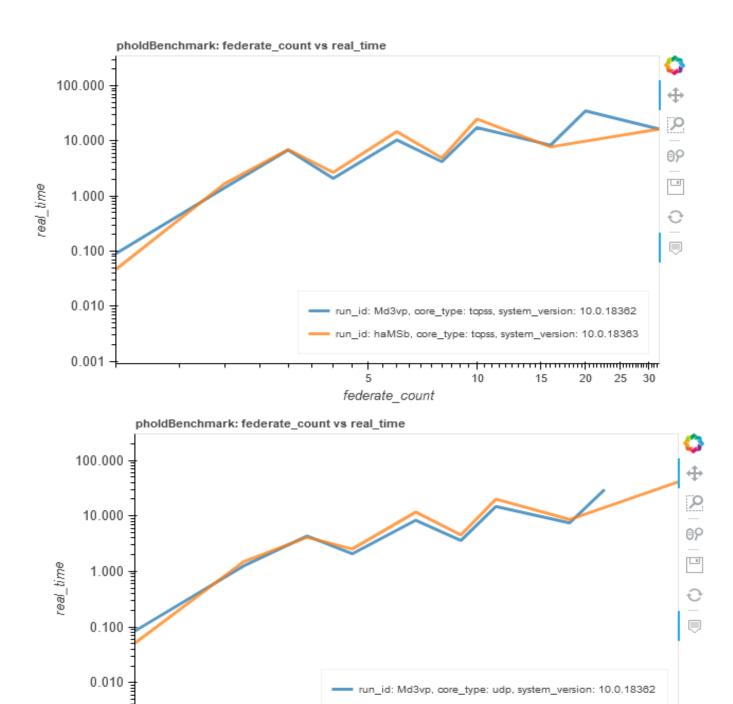run_id: haMSb, core_type: tcpss, system_version: 10.0.18363

pholdBenchmark: federate_count vs real_time

run_id: Md3vp, core_type: udp, system_version: 10.0.18362
run_id: haMSb, core_type: udp, system_version: 10.0.18363

pholdBenchmark: federate_count vs real_time

run_id: Md3vp, core_type: zmq, system_version: 10.0.18362
run_id: haMSb, core_type: zmq, system_version: 10.0.18363

pholdBenchmark: federate_count vs real_time

run_id: Md3vp, core_type: zmqss, system_version: 10.0.18362
run_id: haMSb, core_type: zmqss, system_version: 10.0.18363

ringBenchmark: federate_count vs real_time

run_id: Md3vp, core_type: inproc, system_version: 10.0.18362
run_id: haMSb, core_type: inproc, system_version: 10.0.18363

ringBenchmark: federate_count vs real_time

run_id: Md3vp, core_type: ipc, system_version: 10.0.18362
run_id: haMSb, core_type: ipc, system_version: 10.0.18363

ringBenchmark: federate_count vs real_time

run_id: Md3vp, core_type: tcp, system_version: 10.0.18362
run_id: haMSb, core_type: tcp, system_version: 10.0.18363

ringBenchmark: federate_count vs real_time

run_id: Md3vp, core_type: tcpss, system_version: 10.0.18362
run_id: haMSb, core_type: tcpss, system_version: 10.0.18363

ringBenchmark: federate_count vs real_time

run_id: Md3vp, core_type: udp, system_version: 10.0.18362
run_id: haMSb, core_type: udp, system_version: 10.0.18363

ringBenchmark: federate_count vs real_time

run_id: Md3vp, core_type: zmq, system_version: 10.0.18362
run_id: haMSb, core_type: zmq, system_version: 10.0.18363

ringBenchmark: federate_count vs real_time