Cross-run-ID Comparison Report

(differences in bold)

MHZ_PER_CPU:
Zu60n: 2295
aUZF6: 3492

HELICS_VERSION:
Zu60n: 2.3.1
aUZF6: 2.3.1

GENERATOR:
Zu60n: Visual Studio 16 2019
aUZF6: Visual Studio 15 2017

SYSTEM:
Zu60n: Windows
aUZF6: Windows

SYSTEM_VERSION:
Zu60n: 10.0.17763
aUZF6: 10.0.16299

PLATFORM:
Zu60n: x64
aUZF6: x64

CXX_COMPILER:
Zu60n: MSVC
aUZF6: MSVC

CXX_COMPILER_VERSION:
Zu60n: 19.23.28106.4
aUZF6: 19.12.25835.0

BUILD_FLAGS_STRING:
Zu60n: /DWIN32 /D_WINDOWS /W3 /GR /EHsc /MD /O2 /Ob2 /DNDEBUG /machine:x64 /EHsc;/std:c++14
aUZF6: /DWIN32 /D_WINDOWS /W3 /GR /EHsc /MD /O2 /Ob2 /DNDEBUG /machine:x64 /EHsc;/std:c++14
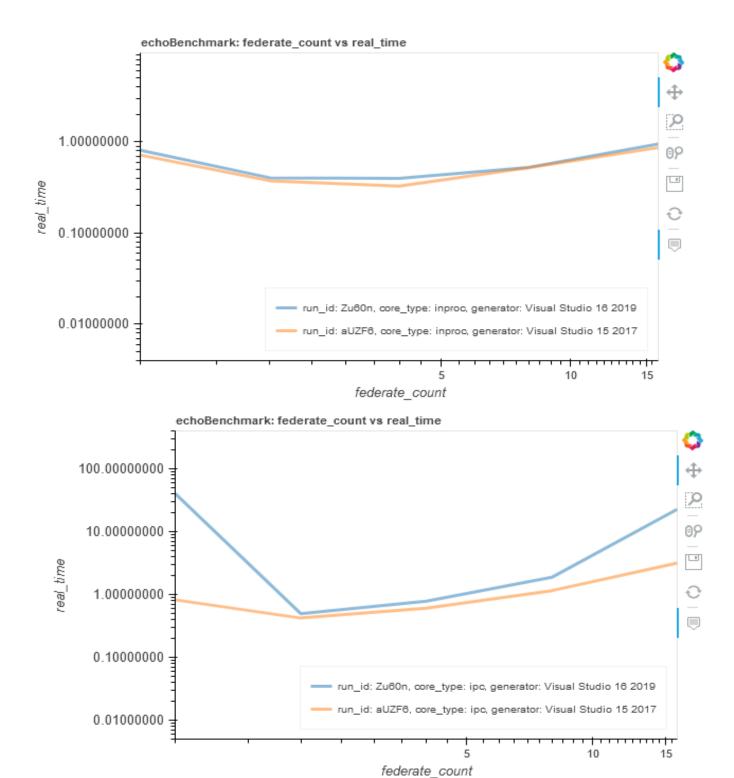
HOST_NAME:
Zu60n: HERSCHEL
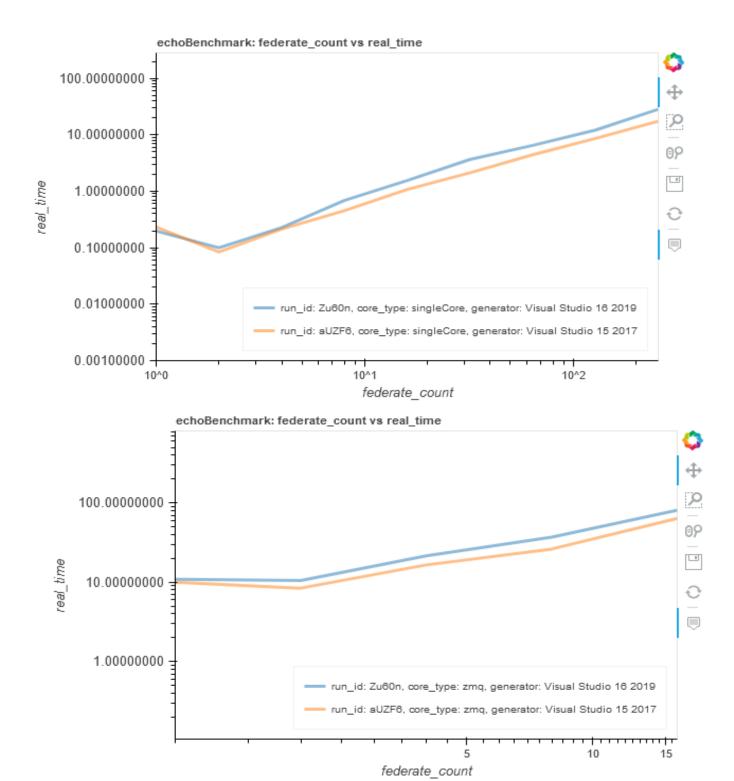**aUZF6: STEADMAN**

HOST_PROCESSOR:
Zu60n: AMD64
aUZF6: AMD64

NUM_CPUS:
Zu60n: 8
aUZF6: 8

DATE:
Zu60n: 12/02/19 10:36:33
aUZF6: 12/02/19 15:33:17

echoBenchmark: federate_count vs real_time

echoBenchmark: federate_count vs real_time

echoBenchmark: federate_count vs real_time

run_id: Zu60n, core_type: singleCore, generator: Visual Studio 16 2019
run_id: aUZF6, core_type: singleCore, generator: Visual Studio 15 2017

echoBenchmark: federate_count vs real_time

run_id: Zu60n, core_type: zmq, generator: Visual Studio 16 2019
run_id: aUZF6, core_type: zmq, generator: Visual Studio 15 2017

echoBenchmark: federate_count vs real_time

real_time

100.00000000

10.00000000

1.00000000

— run_id: Zu60n, core_type: zmqss, generator: Visual Studio 16 2019
— run_id: aUZF6, core_type: zmqss, generator: Visual Studio 15 2017

5   10   15

federate_count

echoMessageBenchmark: federate_count vs real_time

real_time

1000.00000000

100.00000000

10.00000000

1.00000000

0.10000000

0.01000000

— run_id: Zu60n, core_type: inproc, generator: Visual Studio 16 2019
— run_id: aUZF6, core_type: inproc, generator: Visual Studio 15 2017

10   20   30   40 50 60

federate_count

echoMessageBenchmark: federate_count vs real_time

echoMessageBenchmark: federate_count vs real_time

echoMessageBenchmark: federate_count vs real_time

run_id: Zu60n, core_type: zmq, generator: Visual Studio 16 2019
run_id: aUZF6, core_type: zmq, generator: Visual Studio 15 2017

echoMessageBenchmark: federate_count vs real_time

run_id: Zu60n, core_type: zmqss, generator: Visual Studio 16 2019
run_id: aUZF6, core_type: zmqss, generator: Visual Studio 15 2017

messageLookup, fed_ct=2: interface_count vs real_time

run_id: Zu60n, core_type: inproc, generator: Visual Studio 16 2019
run_id: aUZF6, core_type: inproc, generator: Visual Studio 15 2017

messageLookup, fed_ct=64: interface_count vs real_time

run_id: Zu60n, core_type: inproc, generator: Visual Studio 16 2019
run_id: aUZF6, core_type: inproc, generator: Visual Studio 15 2017

messageLookup, fed_ct=8: interface_count vs real_time

run_id: Zu60n, core_type: inproc, generator: Visual Studio 16 2019
run_id: aUZF6, core_type: inproc, generator: Visual Studio 15 2017

messageSend, msg_ct=1: message_size vs real_time

run_id: Zu60n, core_type: inproc, generator: Visual Studio 16 2019
run_id: aUZF6, core_type: inproc, generator: Visual Studio 15 2017

messageSend, msg_ct=1: message_size vs real_time

messageSend, msg_ct=1: message_size vs real_time

messageSend, msg_ct=1: message_size vs real_time

messageSend, msg_ct=1: message_size vs real_time

messageSend, msg_sz=1: message_count vs real_time

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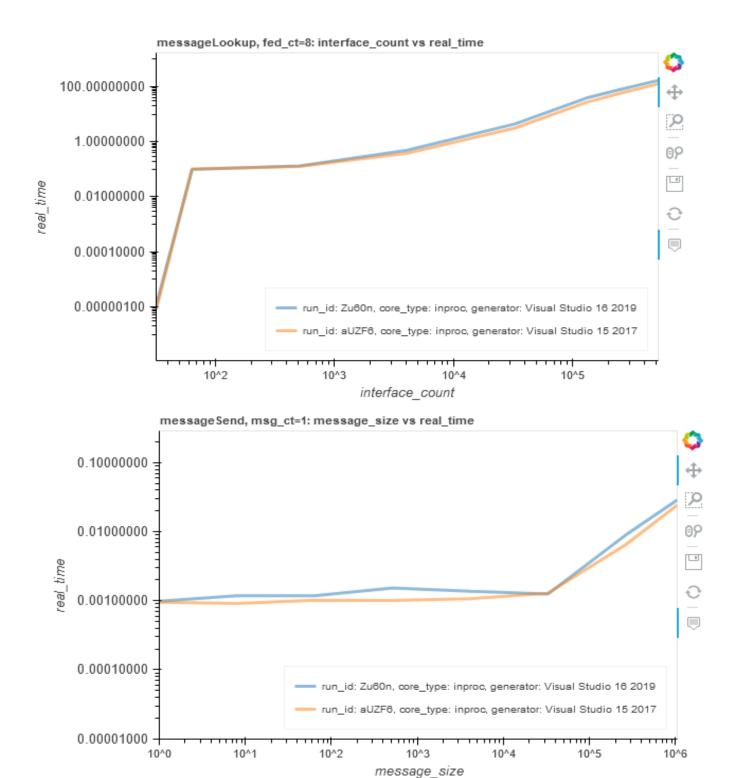
messageSend, msg_sz=1: message_count vs real_time

Legend:
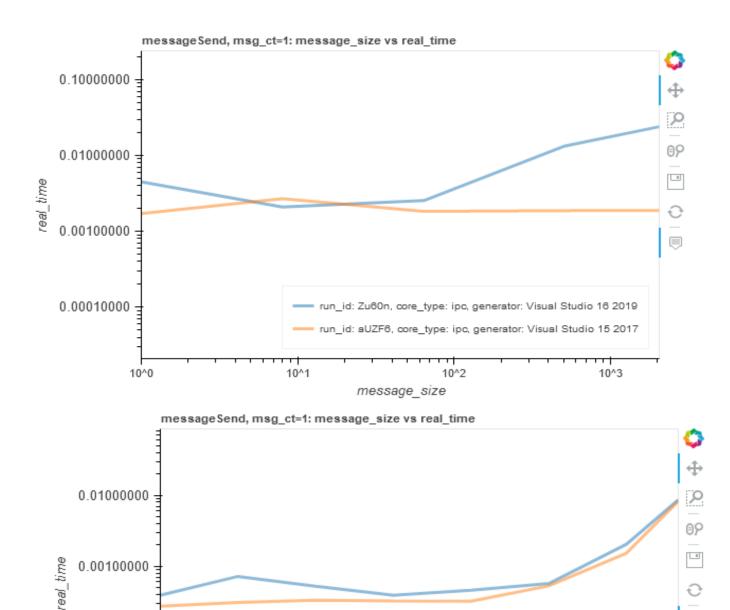- run_id: Zu60n, core_type: singleCore, generator: Visual Studio 16 2019
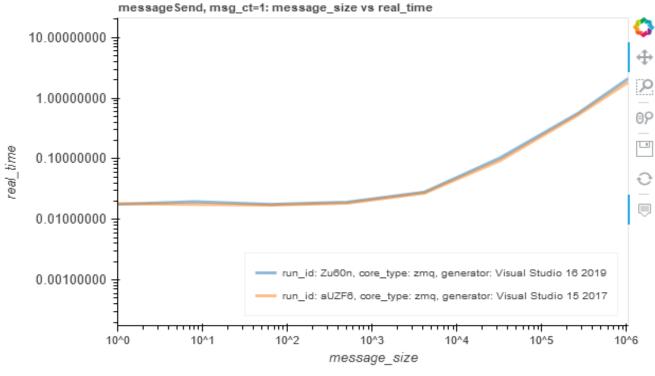- run_id: aUZF6, core_type: singleCore, generator: Visual Studio 15 2017

Axes: $real\_time$ (y), $message\_count$ (x)

messageSend, msg_sz=1: message_count vs real_time

Legend:
- run_id: Zu60n, core_type: zmq, generator: Visual Studio 16 2019
- run_id: aUZF6, core_type: zmq, generator: Visual Studio 15 2017

Axes: $real\_time$ (y), $message\_count$ (x)

messageSend, msg_sz=1: message_count vs real_time

messageSend, singleCore: message_size vs real_time

pholdBenchmark: federate_count vs real_time

run_id: Zu60n, core_type: inproc, generator: Visual Studio 16 2019
run_id: aUZF6, core_type: inproc, generator: Visual Studio 15 2017

pholdBenchmark: federate_count vs real_time

run_id: Zu60n, core_type: ipc, generator: Visual Studio 16 2019
run_id: aUZF6, core_type: ipc, generator: Visual Studio 15 2017

pholdBenchmark: federate_count vs real_time

pholdBenchmark: federate_count vs real_time

pholdBenchmark: federate_count vs real_time
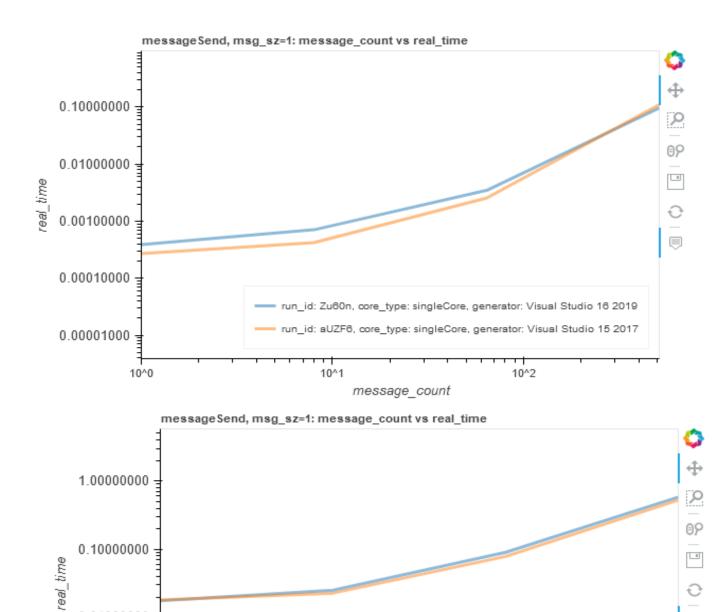
run_id: Zu60n, core_type: zmqss, generator: Visual Studio 16 2019
run_id: aUZF6, core_type: zmqss, generator: Visual Studio 15 2017

ringBenchmark: federate_count vs real_time

run_id: Zu60n, core_type: inproc, generator: Visual Studio 16 2019
run_id: aUZF6, core_type: inproc, generator: Visual Studio 15 2017

ringBenchmark: federate_count vs real_time

ringBenchmark: federate_count vs real_time

ringBenchmark: federate_count vs real_time

Legend:
- run_id: Zu60n, core_type: zmqss, generator: Visual Studio 16 2019
- run_id: aUZF6, core_type: zmqss, generator: Visual Studio 15 2017