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

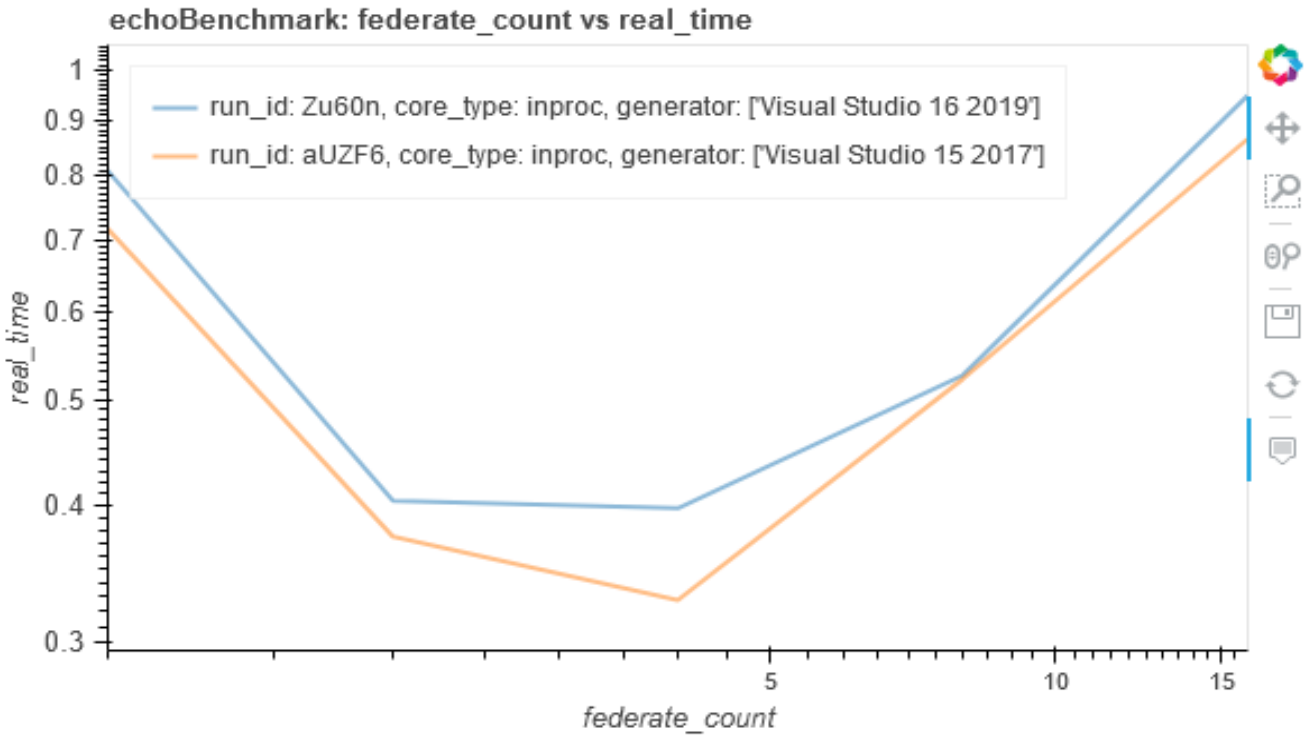
BUILD_FLAGS_STRING:
Zu60n: /DWIN32 /D_WINDOWS /W3 /GR /EHsc /MD /O2 /Ob2 /DNDEBUG /machine:x64 /EHsc;/std:c++14
aUZF6: /DWIN32 /D_WINDOWS /W3 /GR /EHsc /MD /O2 /Ob2 /DNDEBUG /machine:x64 /EHsc;/std:c++14

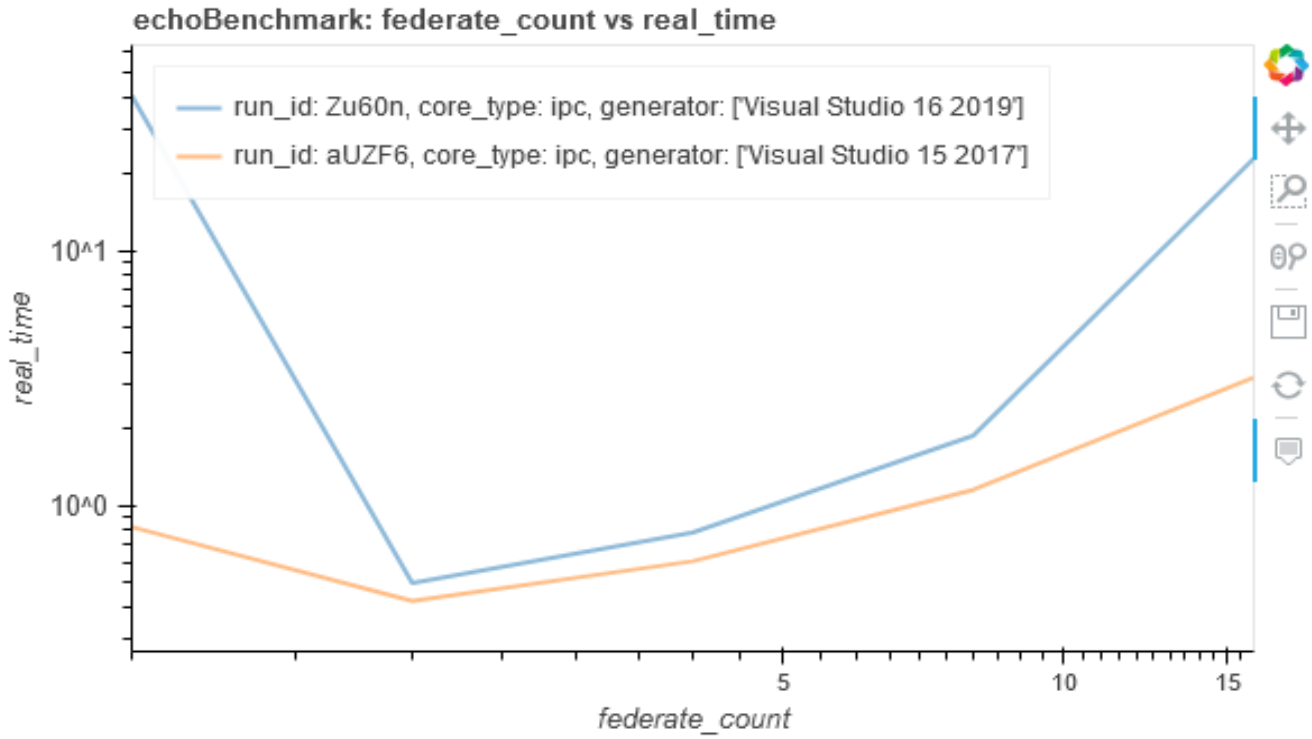
HOST_NAME:
Zu60n: HERSCHEL
aUZF6: STEADMAN

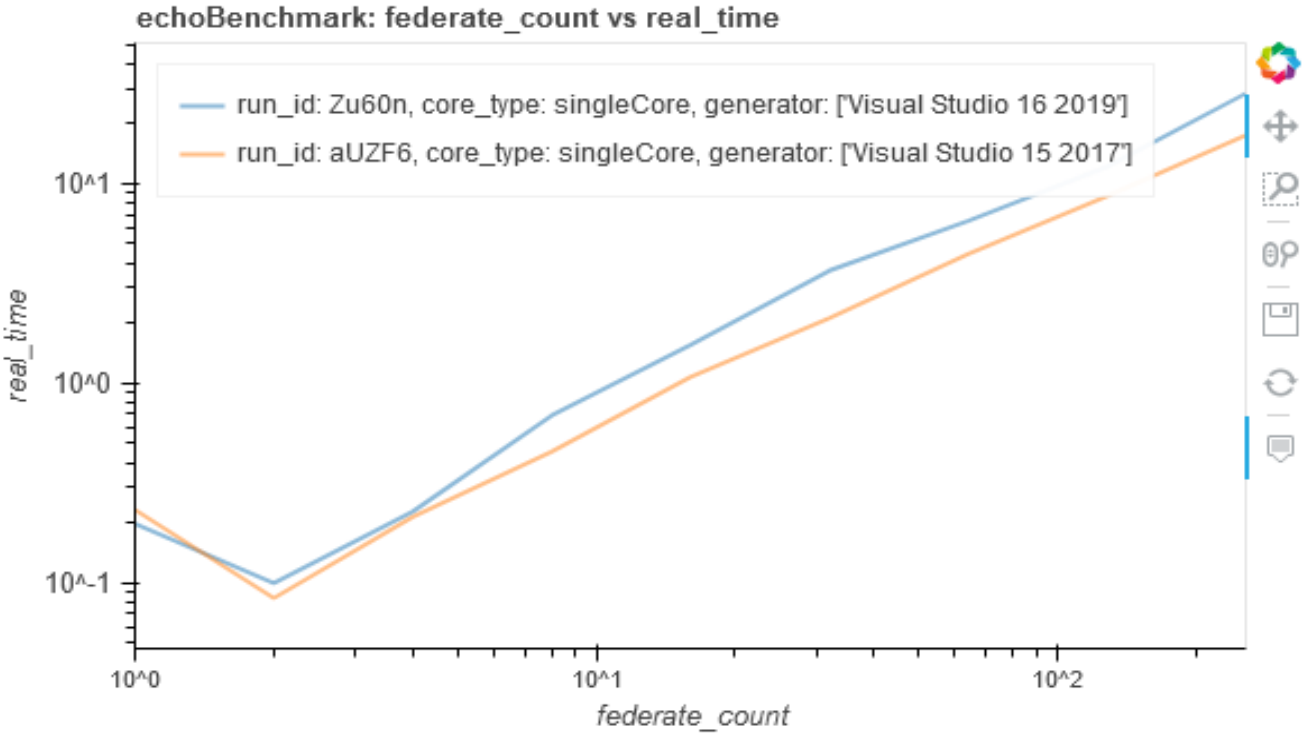
HOST_PROCESSOR:
Zu60n: AMD64
aUZF6: AMD64

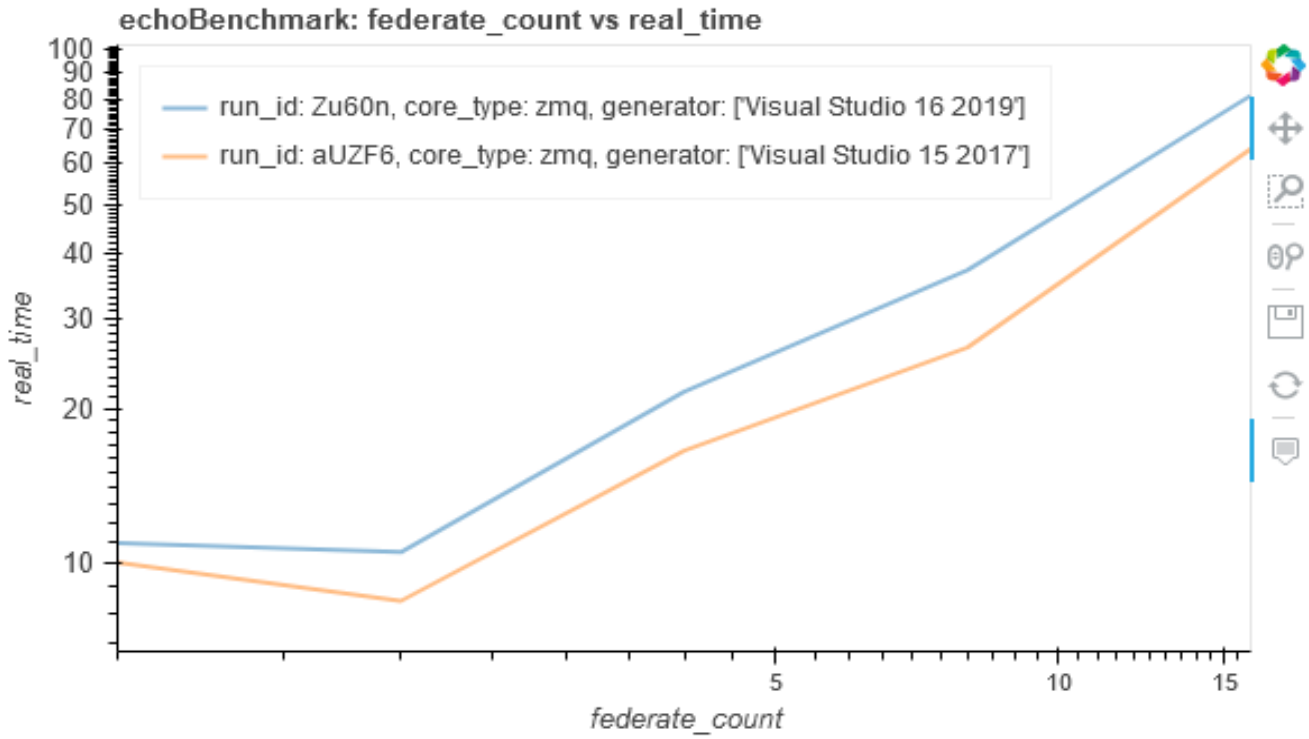
NUM_CPUS:
Zu60n: 8
aUZF6: 8

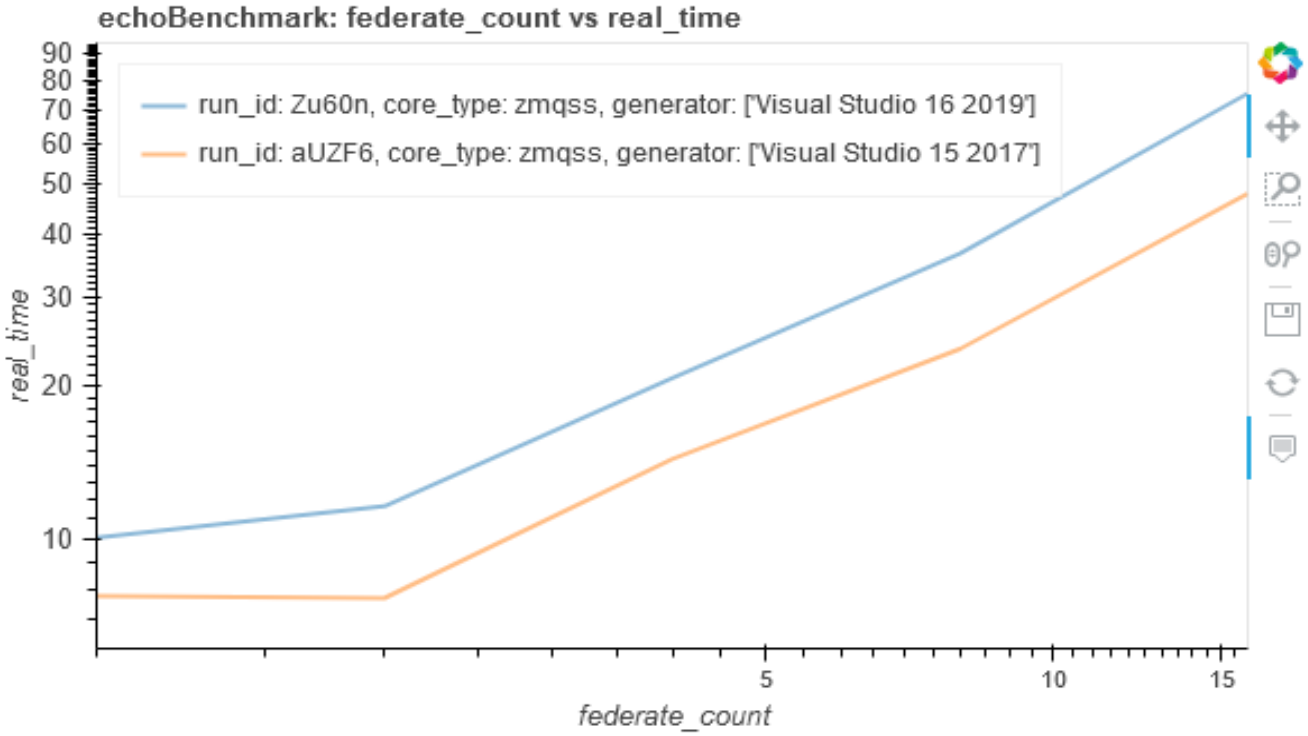
DATE:
Zu60n: 12/02/19 10:36:33
aUZF6: 12/02/19 15:33:17

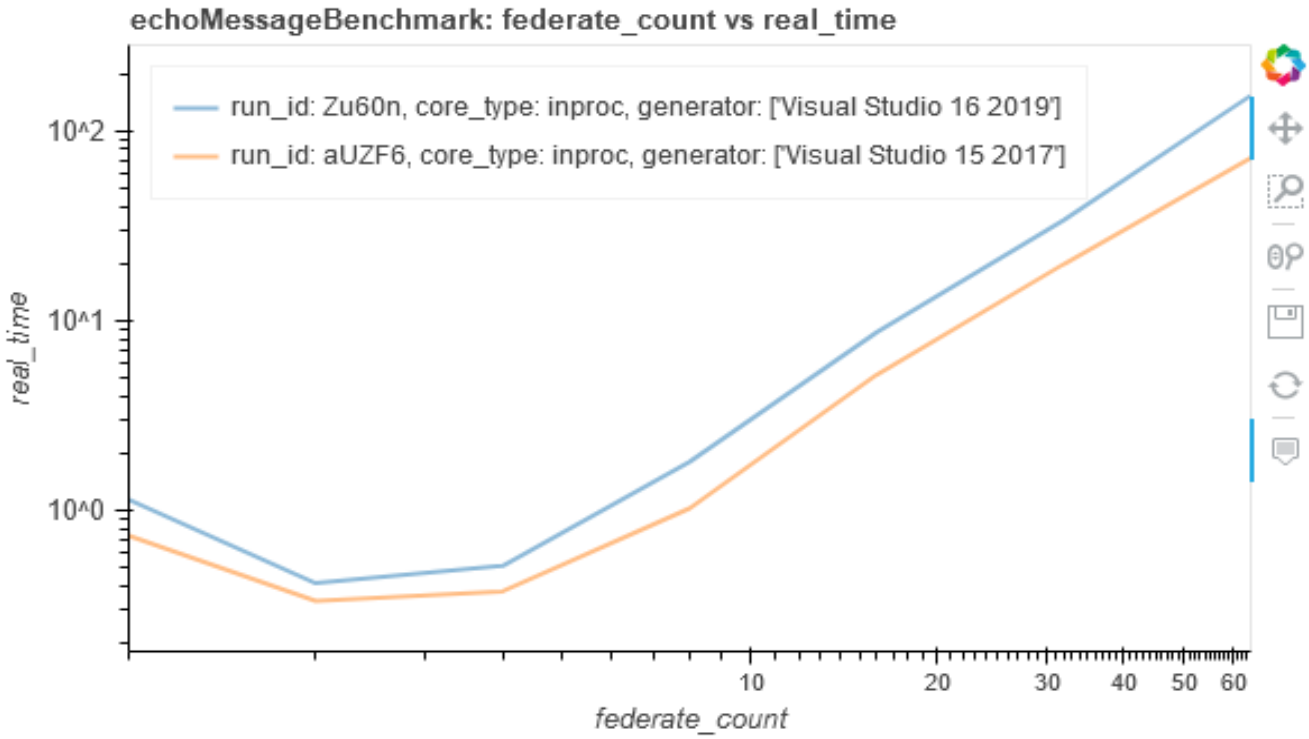

echoBenchmark: federate_count vs real_time
run_id: Zu60n, core_type: inproc, generator: ['Visual Studio 16 2019']
run_id: aUZF6, core_type: inproc, generator: ['Visual Studio 15 2017']
real_time
federate_count
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
5
10
15

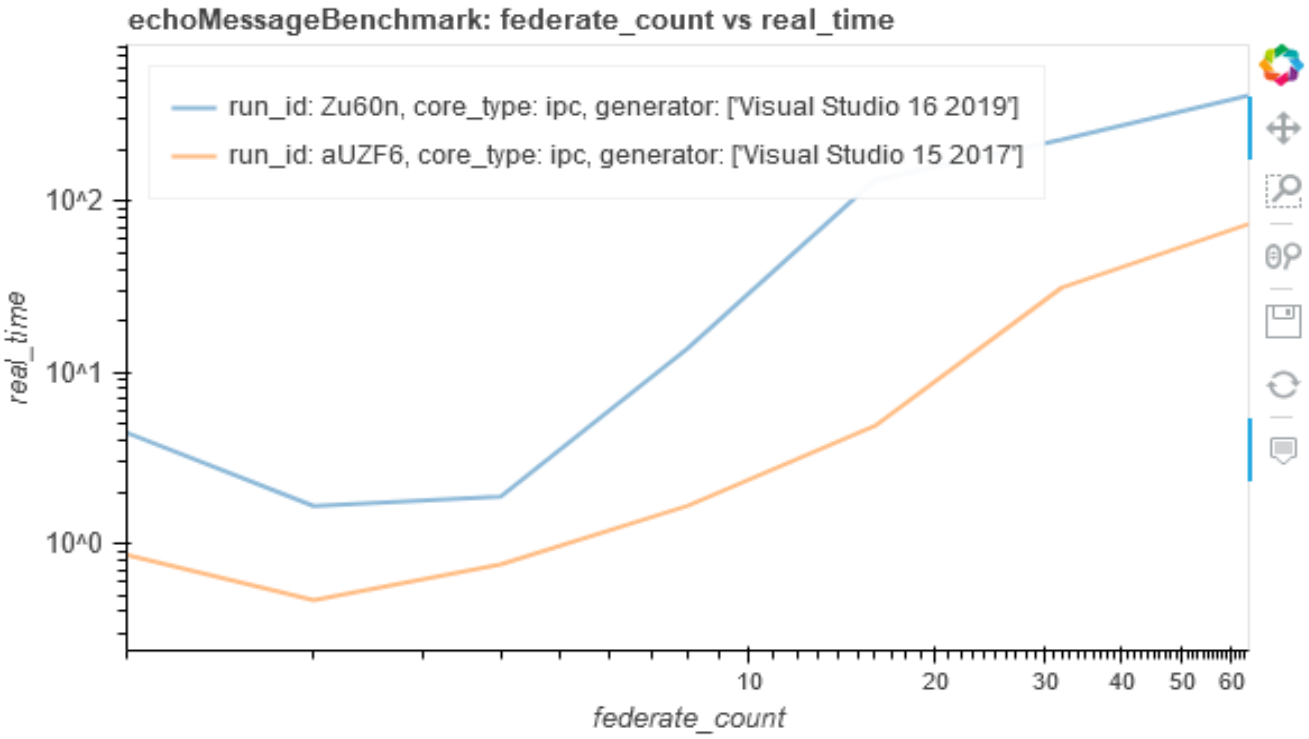

echoBenchmark: federate_count vs real_time
run_id: Zu60n, core_type: ipc, generator: ['Visual Studio 16 2019']
run_id: aUZF6, core_type: ipc, generator: ['Visual Studio 15 2017']
real_time
federate_count
10^1
10^0
5
10
15

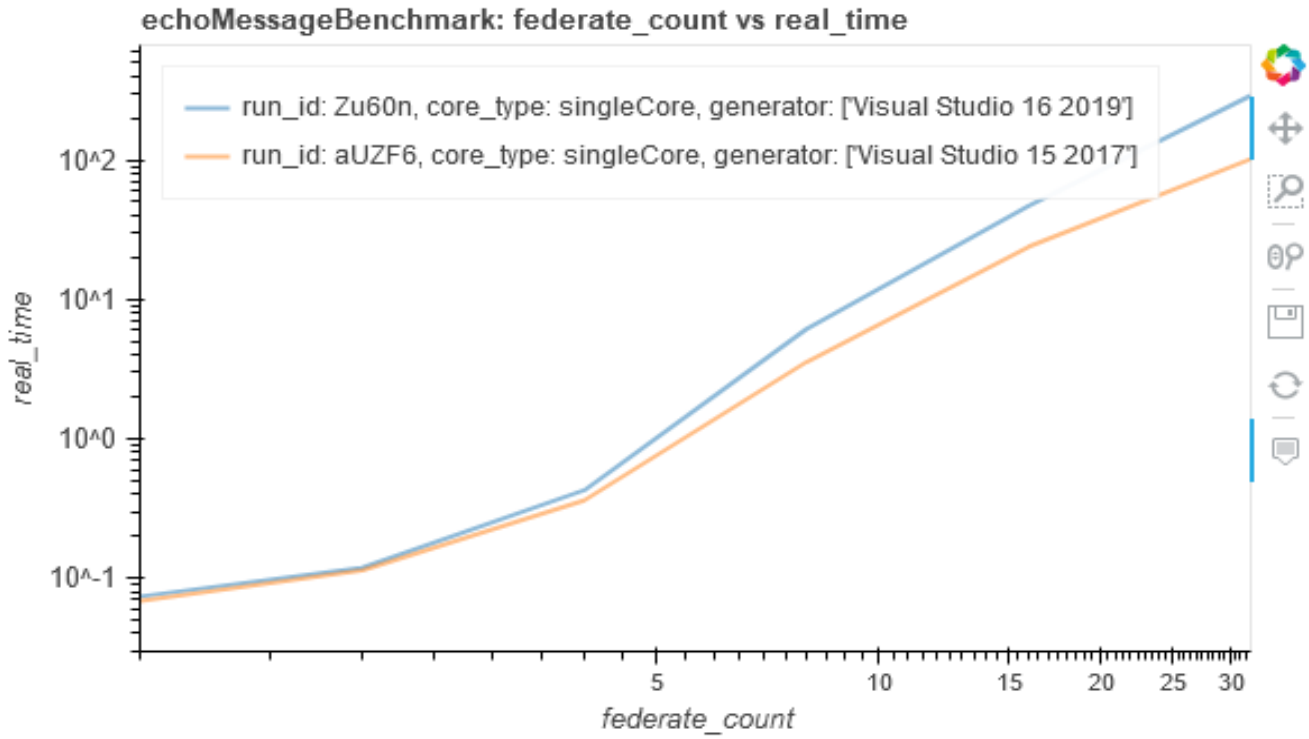

echoBenchmark: federate_count vs real_time
run_id: Zu60n, core_type: singleCore, generator: ['Visual Studio 16 2019']
run_id: aUZF6, core_type: singleCore, generator: ['Visual Studio 15 2017']
10^1
10^0
10^-1
real_time
10^0
10^1
10^2
federate_count

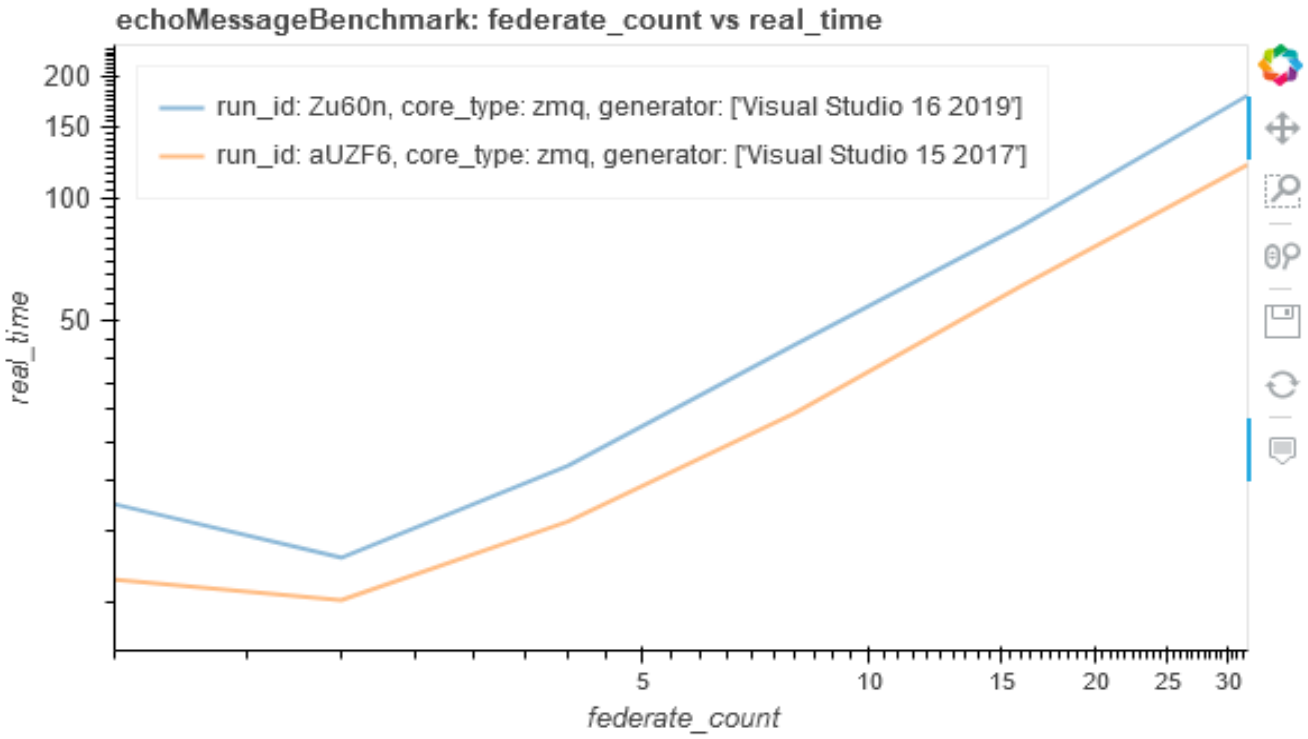

echoBenchmark: federate_count vs real_time
run_id: Zu60n, core_type: zmq, generator: ['Visual Studio 16 2019']
run_id: aUZF6, core_type: zmq, generator: ['Visual Studio 15 2017']
100
90
80
70
60
50
40
30
20
10
real_time
5
10
15
federate_count

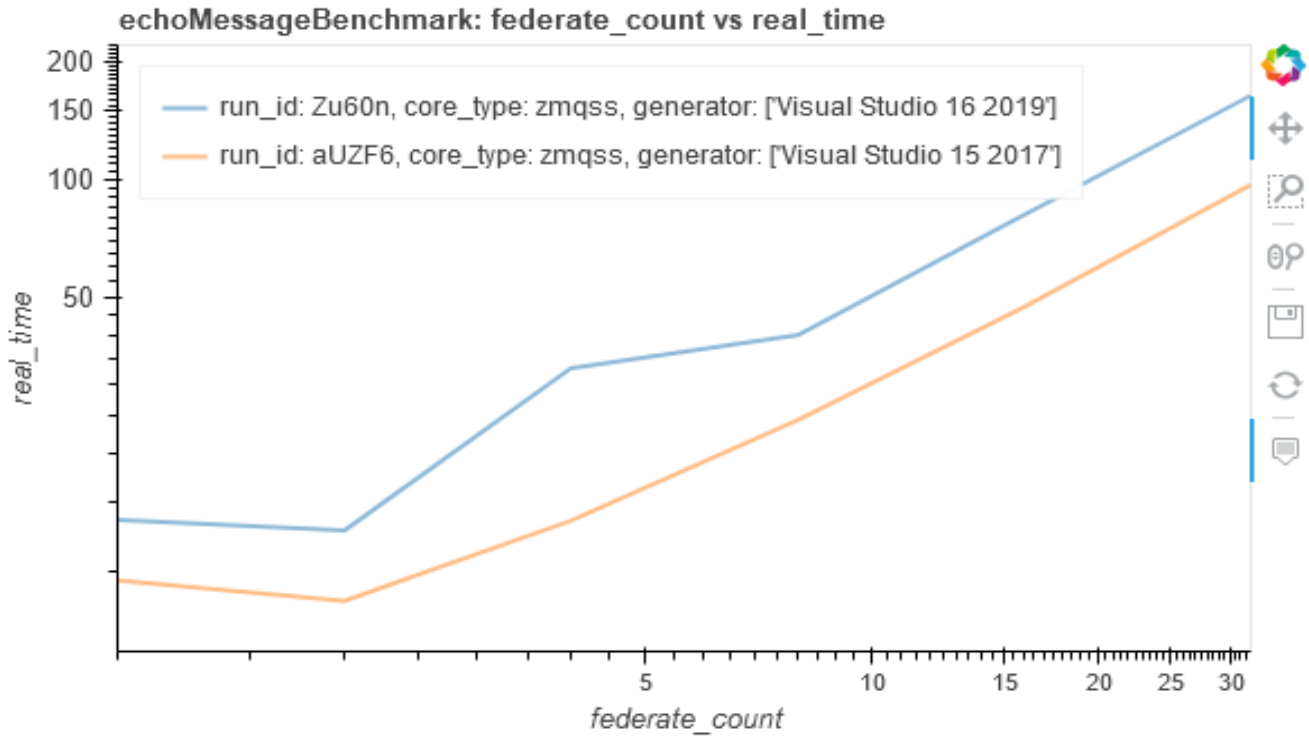

echoBenchmark: federate_count vs real_time
run_id: Zu60n, core_type: zmqss, generator: ['Visual Studio 16 2019']
run_id: aUZF6, core_type: zmqss, generator: ['Visual Studio 15 2017']
real_time
federate_count
90
80
70
60
50
40
30
20
10
5
10
15

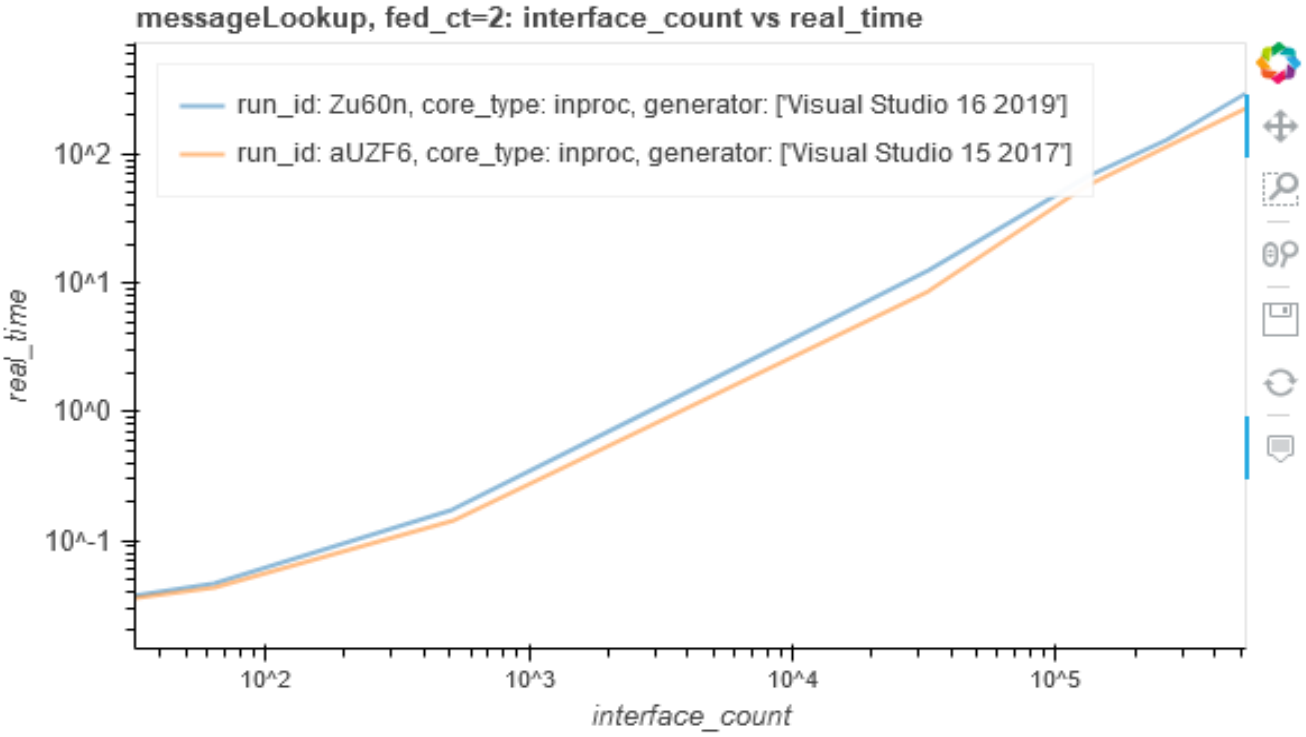

echoMessageBenchmark: federate_count vs real_time
run_id: Zu60n, core_type: inproc, generator: ['Visual Studio 16 2019']
run_id: aUZF6, core_type: inproc, generator: ['Visual Studio 15 2017']
real_time
federate_count
10^2
10^1
10^0
10
20
30
40
50
60

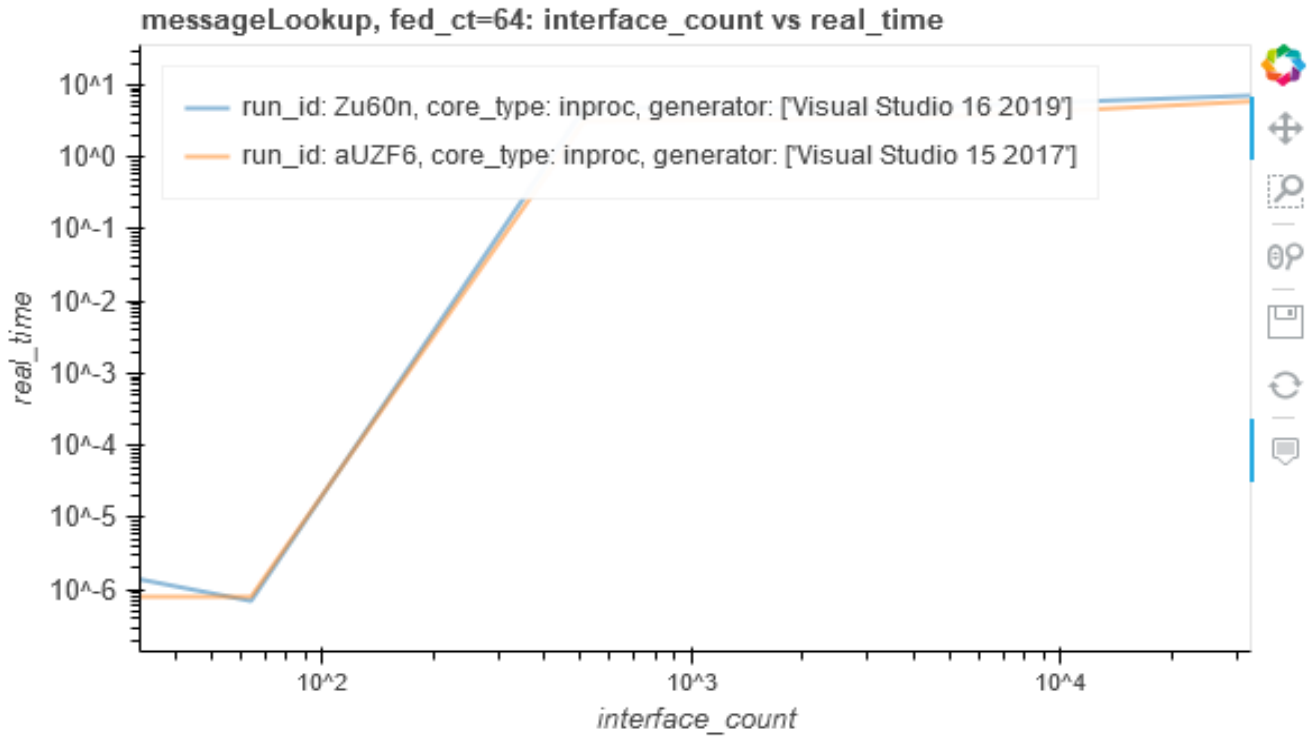

echoMessageBenchmark: federate_count vs real_time
run_id: Zu60n, core_type: ipc, generator: ['Visual Studio 16 2019']
run_id: aUZF6, core_type: ipc, generator: ['Visual Studio 15 2017']
10^2
10^1
10^0
real_time
10
20
30
40
50
60
federate_count

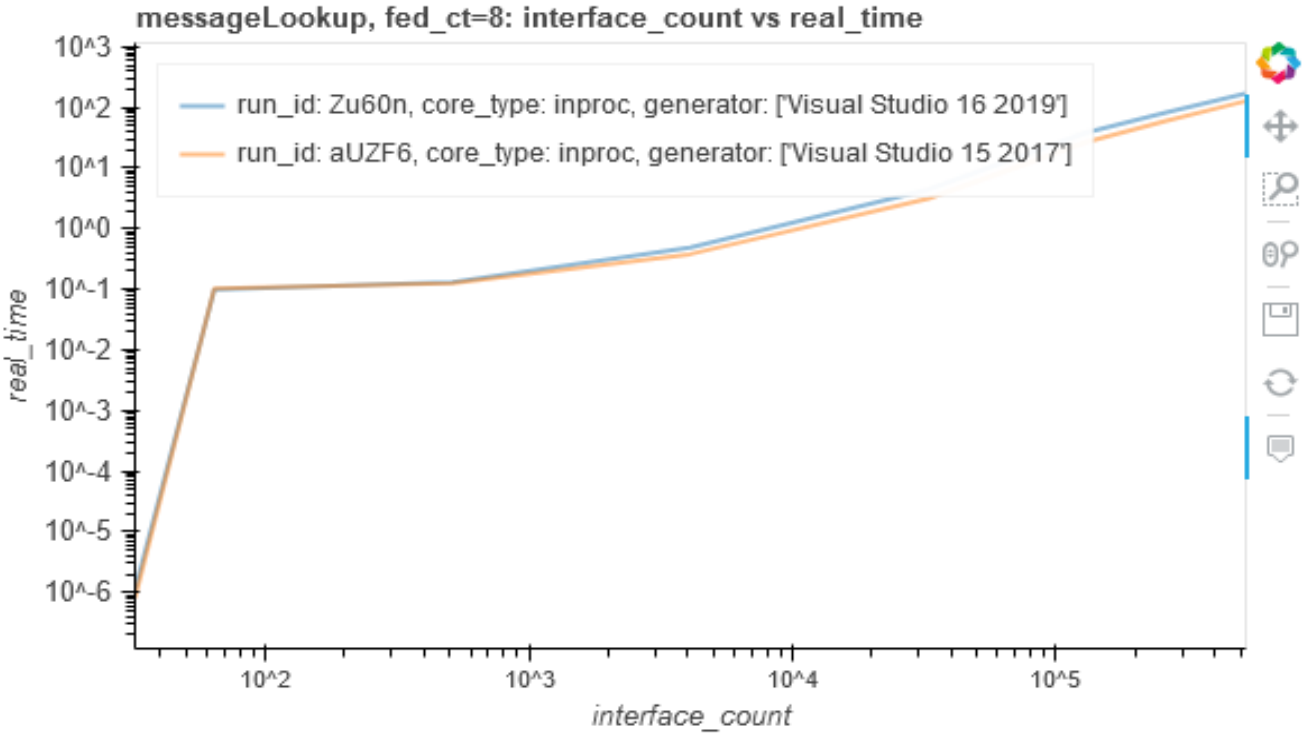

echoMessageBenchmark: federate_count vs real_time
run_id: Zu60n, core_type: singleCore, generator: ['Visual Studio 16 2019']
run_id: aUZF6, core_type: singleCore, generator: ['Visual Studio 15 2017']
10^2
10^1
10^0
10^-1
real_time
5
10
15
20
25
30
federate_count

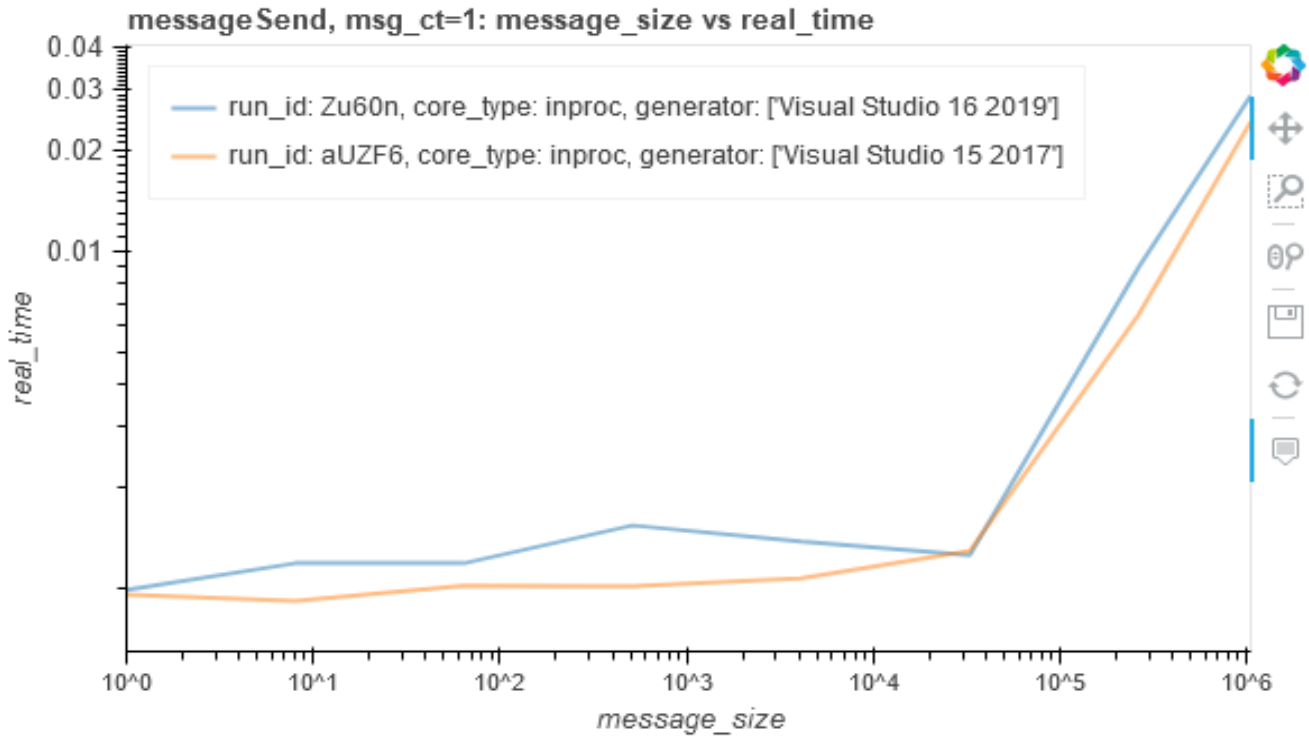

echoMessageBenchmark: federate_count vs real_time
run_id: Zu60n, core_type: zmq, generator: ['Visual Studio 16 2019']
run_id: aUZF6, core_type: zmq, generator: ['Visual Studio 15 2017']
real_time
200
150
100
50
5
10
15
20
25
30
federate_count

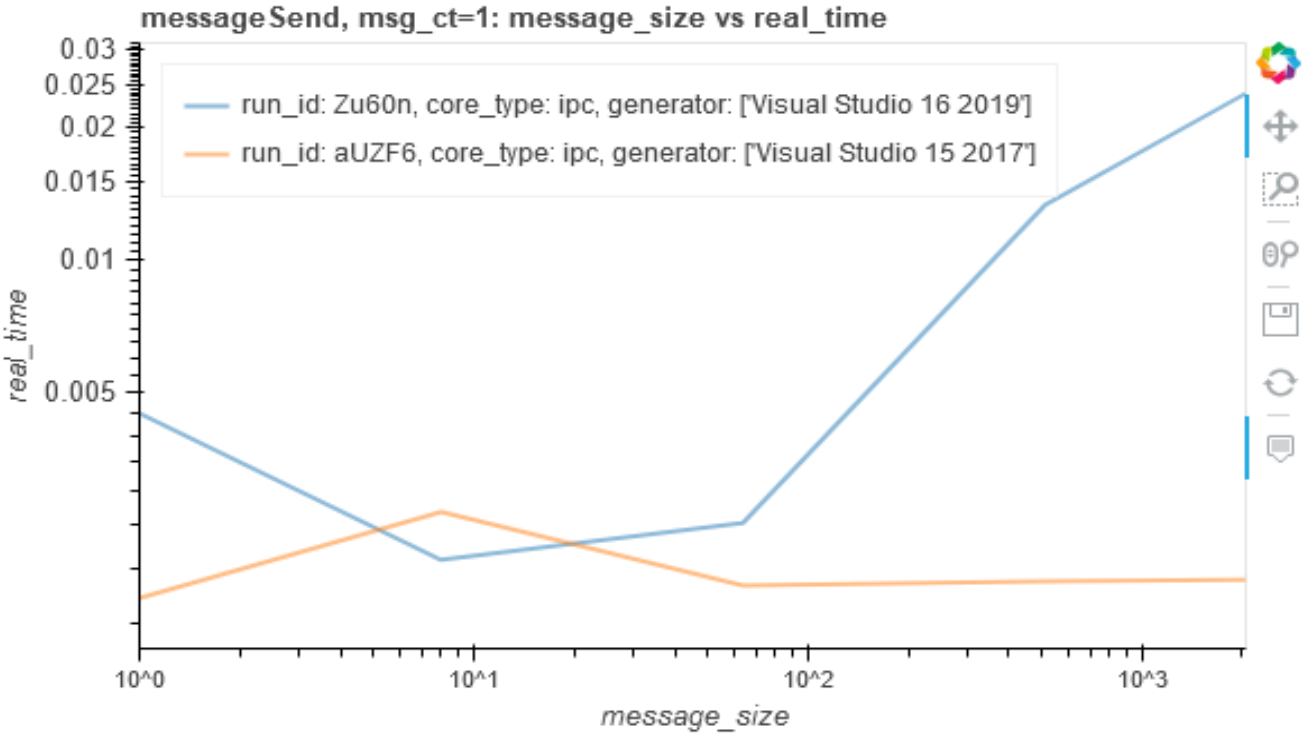

echoMessageBenchmark: federate_count vs real_time
run_id: Zu60n, core_type: zmqss, generator: ['Visual Studio 16 2019']
run_id: aUZF6, core_type: zmqss, generator: ['Visual Studio 15 2017']
real_time
200
150
100
50
5
10
15
20
25
30
federate_count

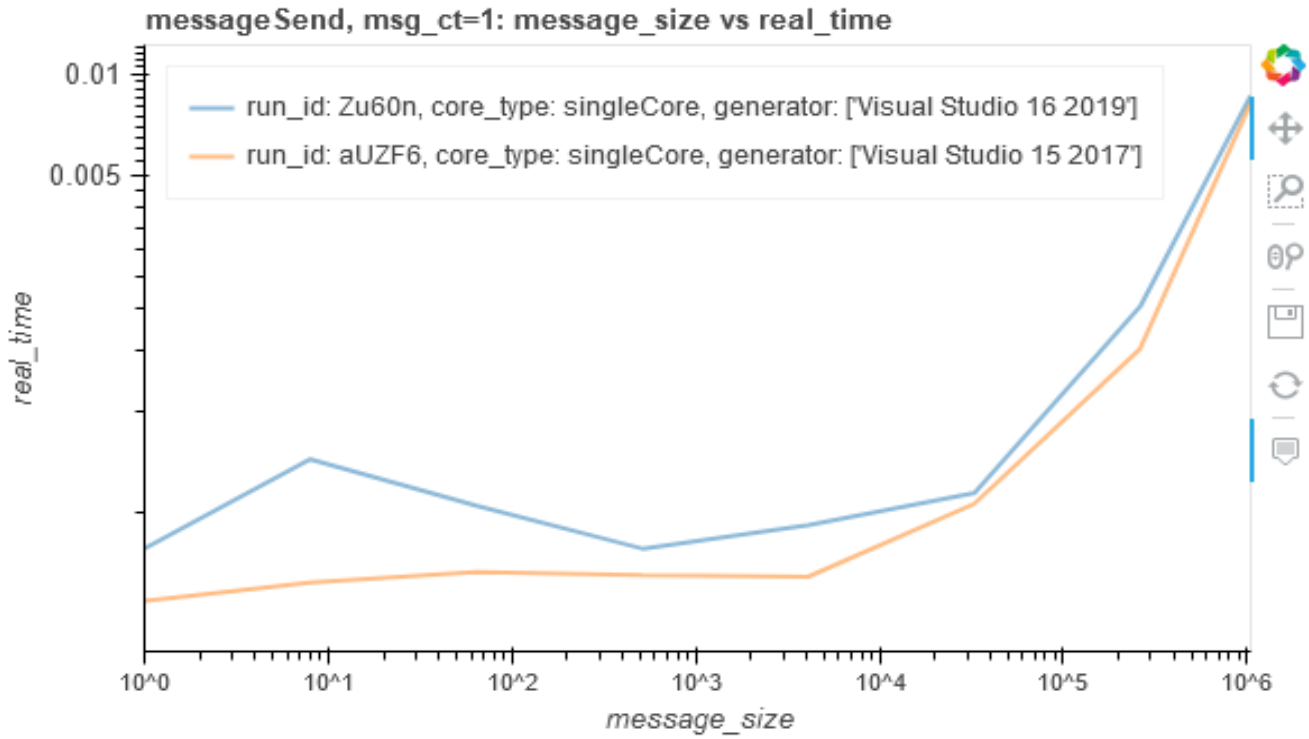

messageLookup, fed_ct=2: interface_count vs real_time
run_id: Zu60n, core_type: inproc, generator: ['Visual Studio 16 2019']
run_id: aUZF6, core_type: inproc, generator: ['Visual Studio 15 2017']
10^2
10^1
10^0
10^-1
real_time
10^2
10^3
10^4
10^5
interface_count

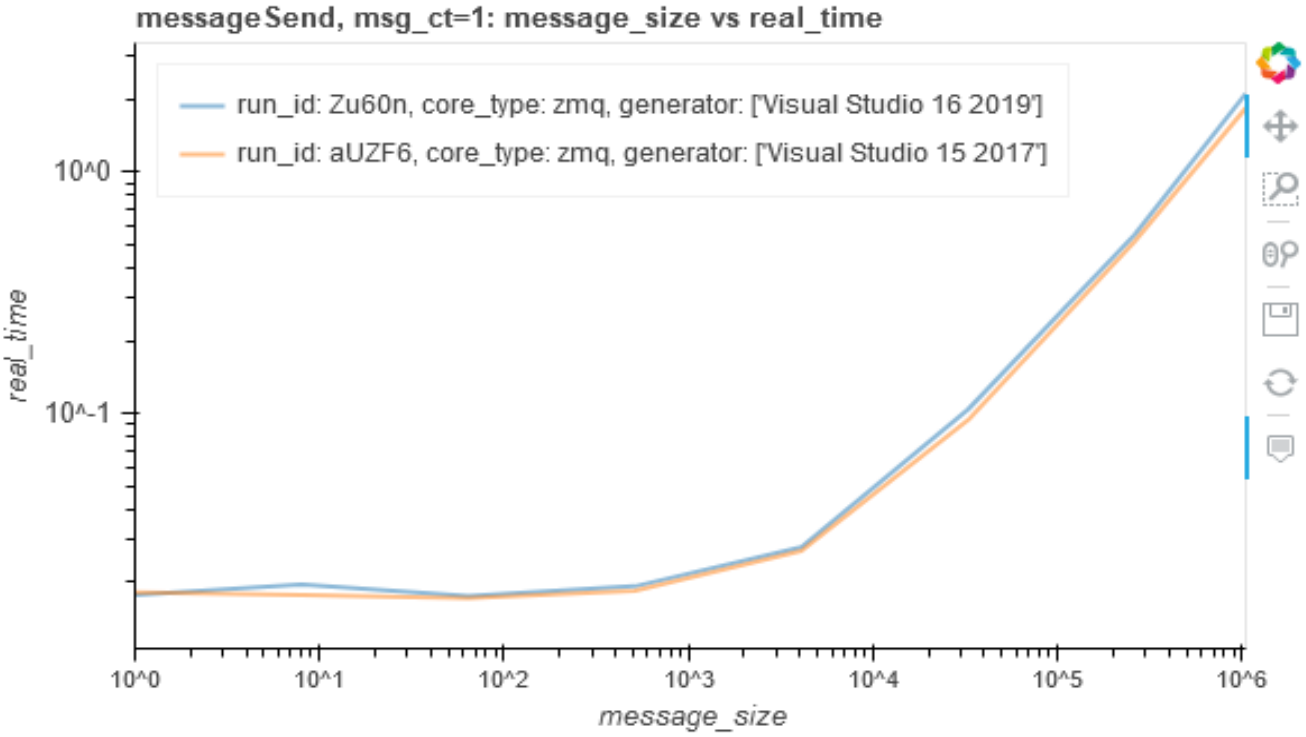

messageLookup, fed_ct=64: interface_count vs real_time
run_id: Zu60n, core_type: inproc, generator: ['Visual Studio 16 2019']
run_id: aUZF6, core_type: inproc, generator: ['Visual Studio 15 2017']
10^1
10^0
10^-1
10^-2
10^-3
10^-4
10^-5
10^-6
real_time
10^2
10^3
10^4
interface_count

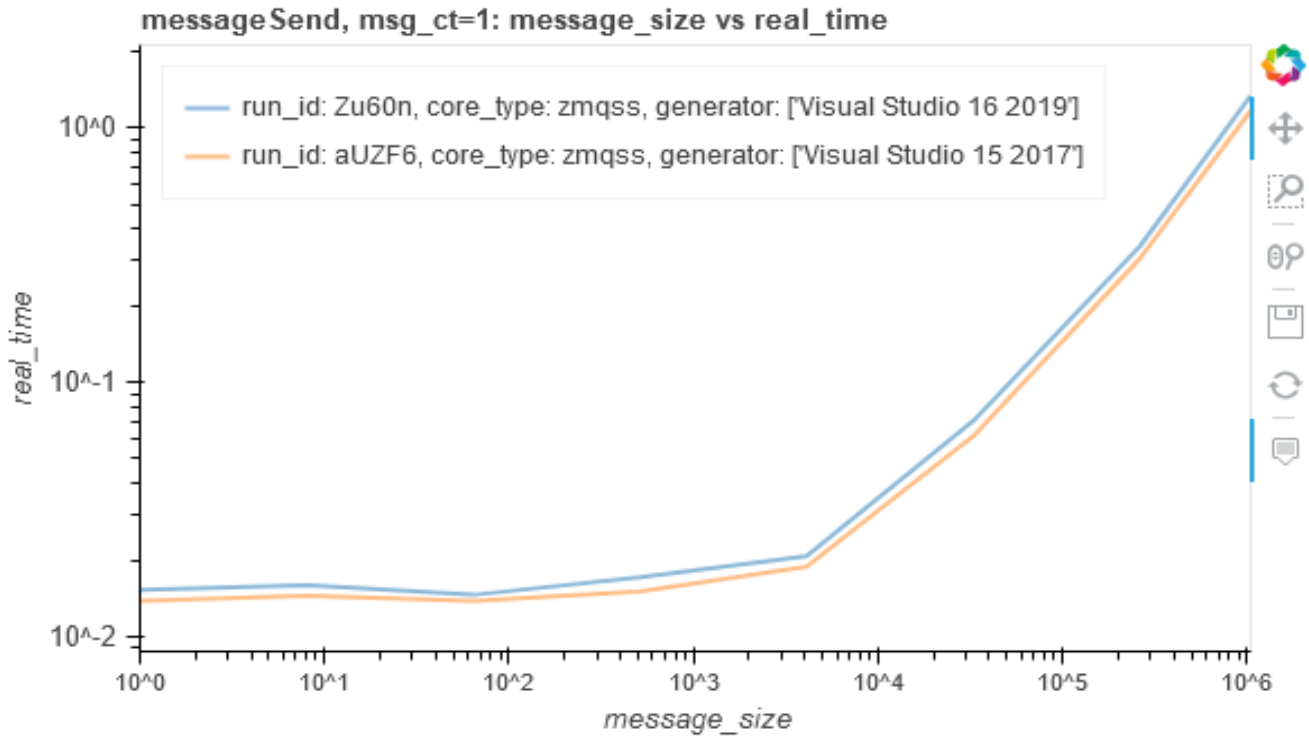

messageLookup, fed_ct=8: interface_count vs real_time
run_id: Zu60n, core_type: inproc, generator: ['Visual Studio 16 2019']
run_id: aUZF6, core_type: inproc, generator: ['Visual Studio 15 2017']
real_time
10^3
10^2
10^1
10^0
10^-1
10^-2
10^-3
10^-4
10^-5
10^-6
10^2
10^3
10^4
10^5
interface_count

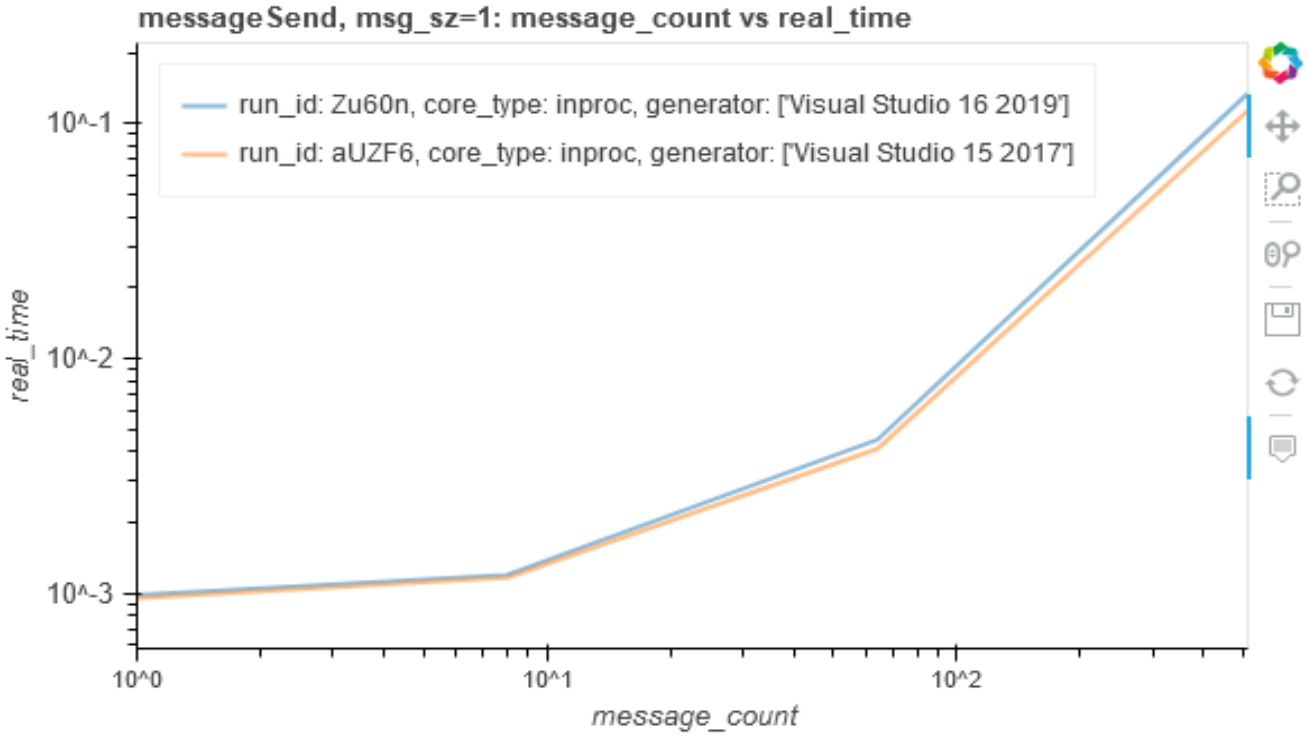

messageSend, msg_ct=1: message_size vs real_time
run_id: Zu60n, core_type: inproc, generator: ['Visual Studio 16 2019']
run_id: aUZF6, core_type: inproc, generator: ['Visual Studio 15 2017']
real_time
0.04
0.03
0.02
0.01
10^0
10^1
10^2
10^3
10^4
10^5
10^6
message_size

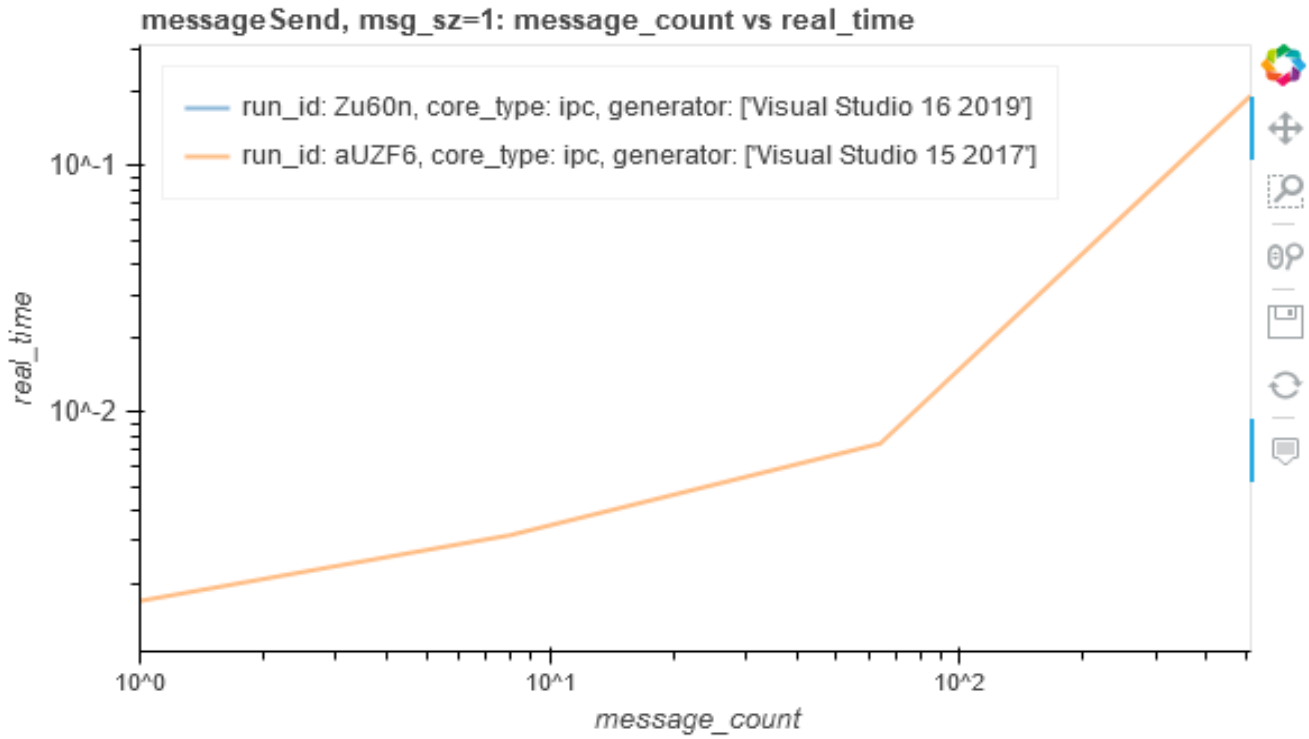

messageSend, msg_ct=1: message_size vs real_time
run_id: Zu60n, core_type: ipc, generator: ['Visual Studio 16 2019']
run_id: aUZF6, core_type: ipc, generator: ['Visual Studio 15 2017']
real_time
0.03
0.025
0.02
0.015
0.01
0.005
10^0
10^1
10^2
10^3
message_size

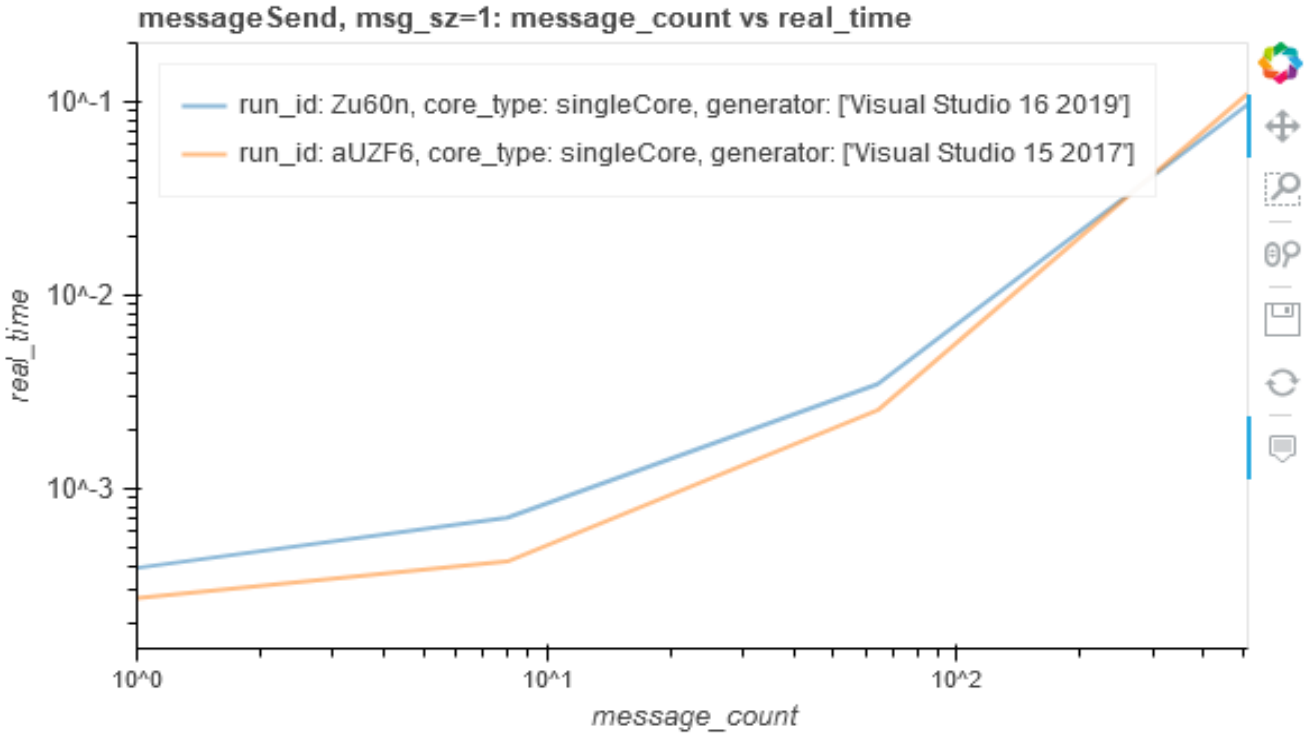

messageSend, msg_ct=1: message_size vs real_time
run_id: Zu60n, core_type: singleCore, generator: ['Visual Studio 16 2019']
run_id: aUZF6, core_type: singleCore, generator: ['Visual Studio 15 2017']
real_time
0.01
0.005
10^0
10^1
10^2
10^3
10^4
10^5
10^6
message_size

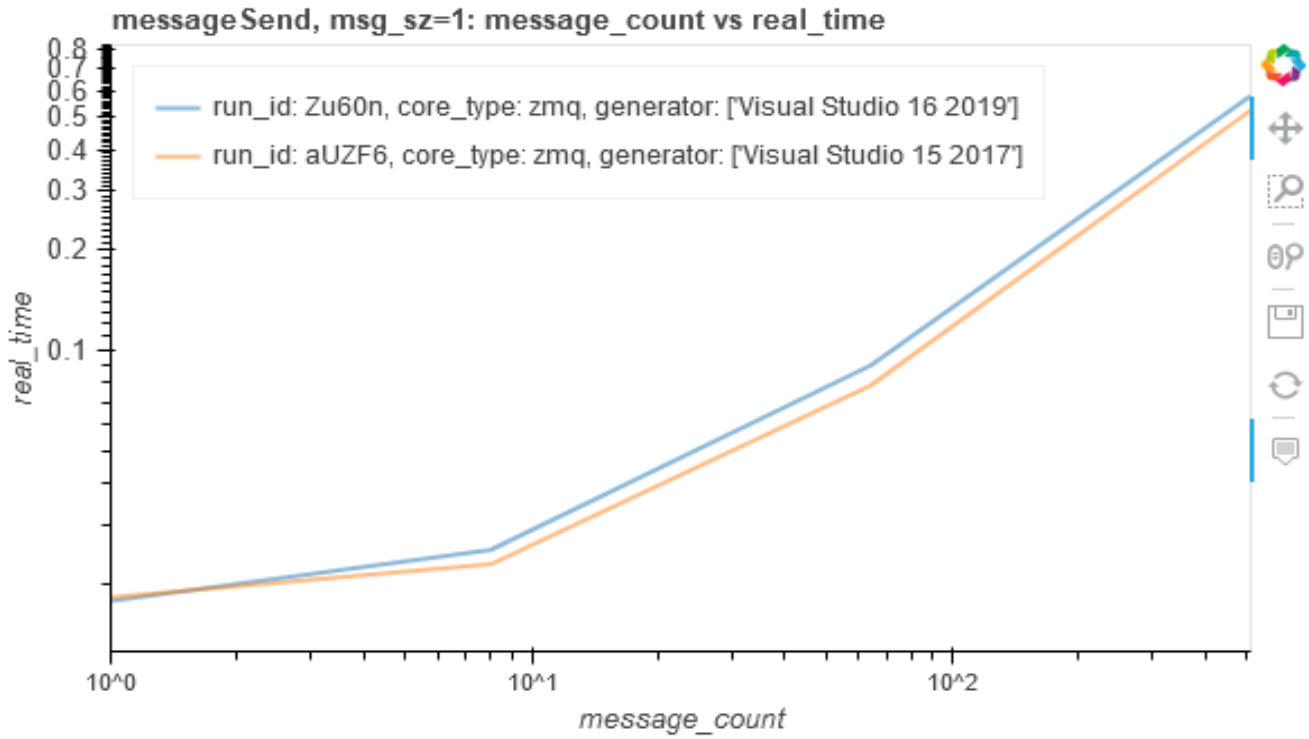

messageSend, msg_ct=1: message_size vs real_time
run_id: Zu60n, core_type: zmq, generator: ['Visual Studio 16 2019']
run_id: aUZF6, core_type: zmq, generator: ['Visual Studio 15 2017']
10^0
10^-1
real_time
10^0
10^1
10^2
10^3
10^4
10^5
10^6
message_size

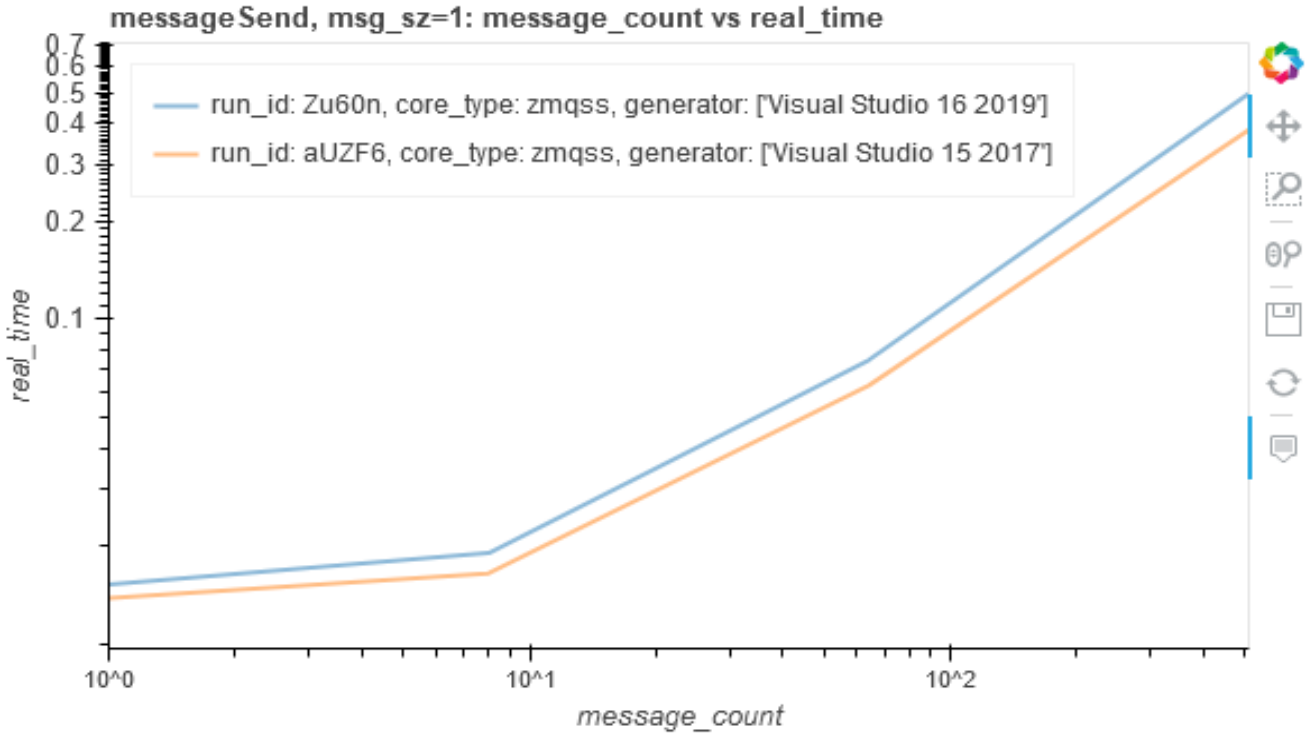

messageSend, msg_ct=1: message_size vs real_time
run_id: Zu60n, core_type: zmqss, generator: ['Visual Studio 16 2019']
run_id: aUZF6, core_type: zmqss, generator: ['Visual Studio 15 2017']
10^0
10^-1
10^-2
real_time
10^0
10^1
10^2
10^3
10^4
10^5
10^6
message_size

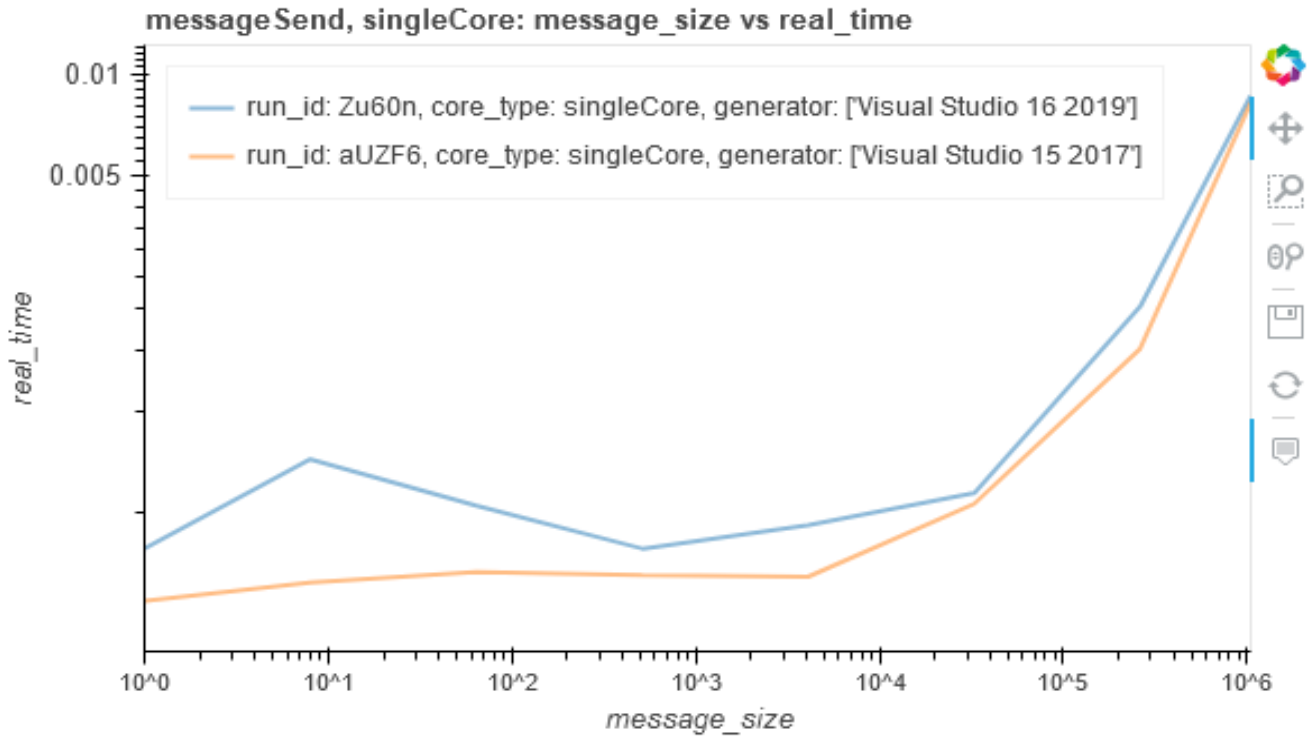

messageSend, msg_sz=1: message_count vs real_time
run_id: Zu60n, core_type: inproc, generator: ['Visual Studio 16 2019']
run_id: aUZF6, core_type: inproc, generator: ['Visual Studio 15 2017']
10^-1
10^-2
10^-3
real_time
10^0
10^1
10^2
message_count

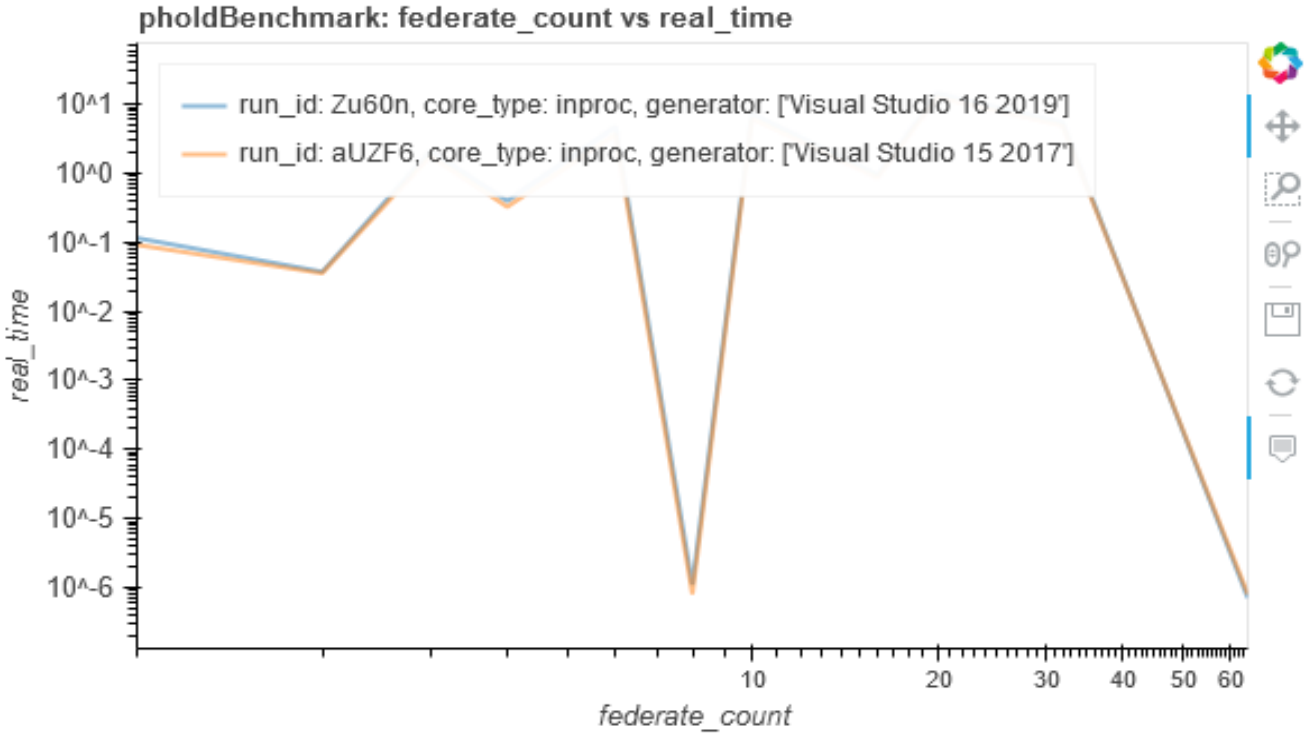

messageSend, msg_sz=1: message_count vs real_time
run_id: Zu60n, core_type: ipc, generator: ['Visual Studio 16 2019']
run_id: aUZF6, core_type: ipc, generator: ['Visual Studio 15 2017']
10^-1
10^-2
real_time
10^0
10^1
10^2
message_count

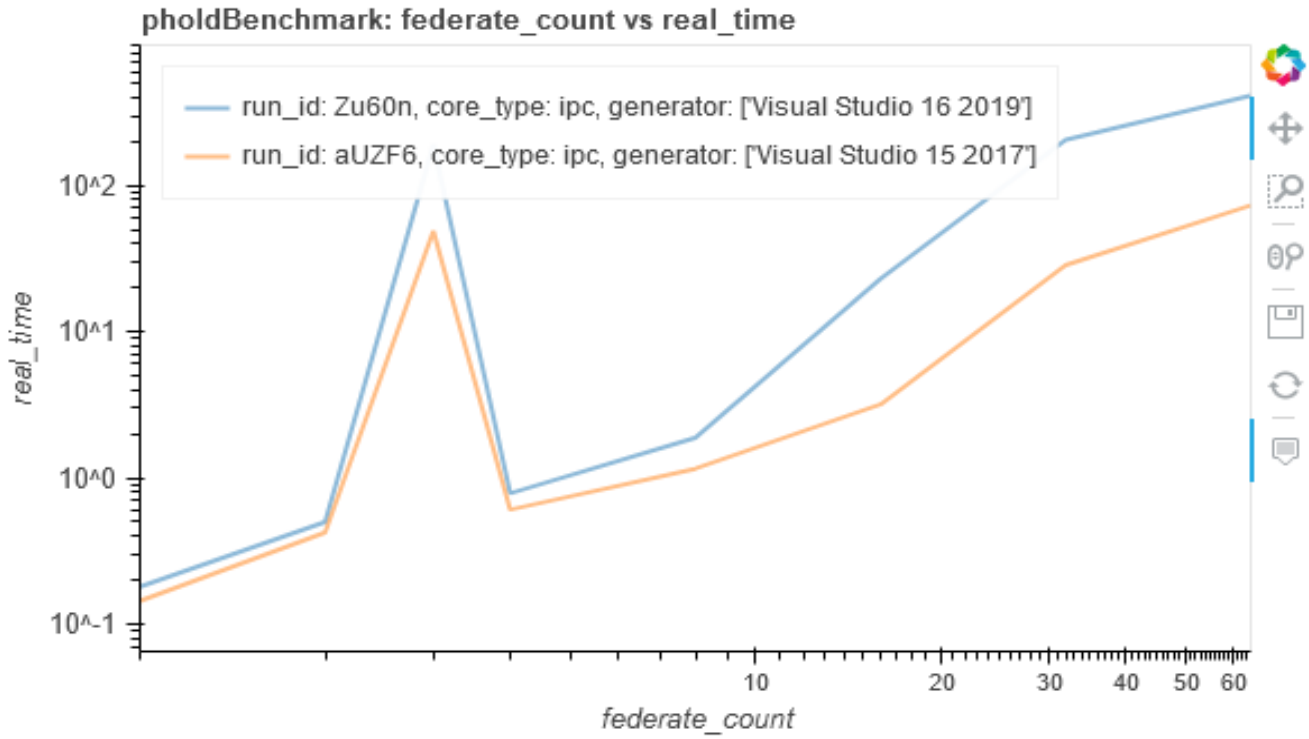

messageSend, msg_sz=1: message_count vs real_time
run_id: Zu60n, core_type: singleCore, generator: ['Visual Studio 16 2019']
run_id: aUZF6, core_type: singleCore, generator: ['Visual Studio 15 2017']
10^-1
10^-2
10^-3
real_time
10^0
10^1
10^2
message_count

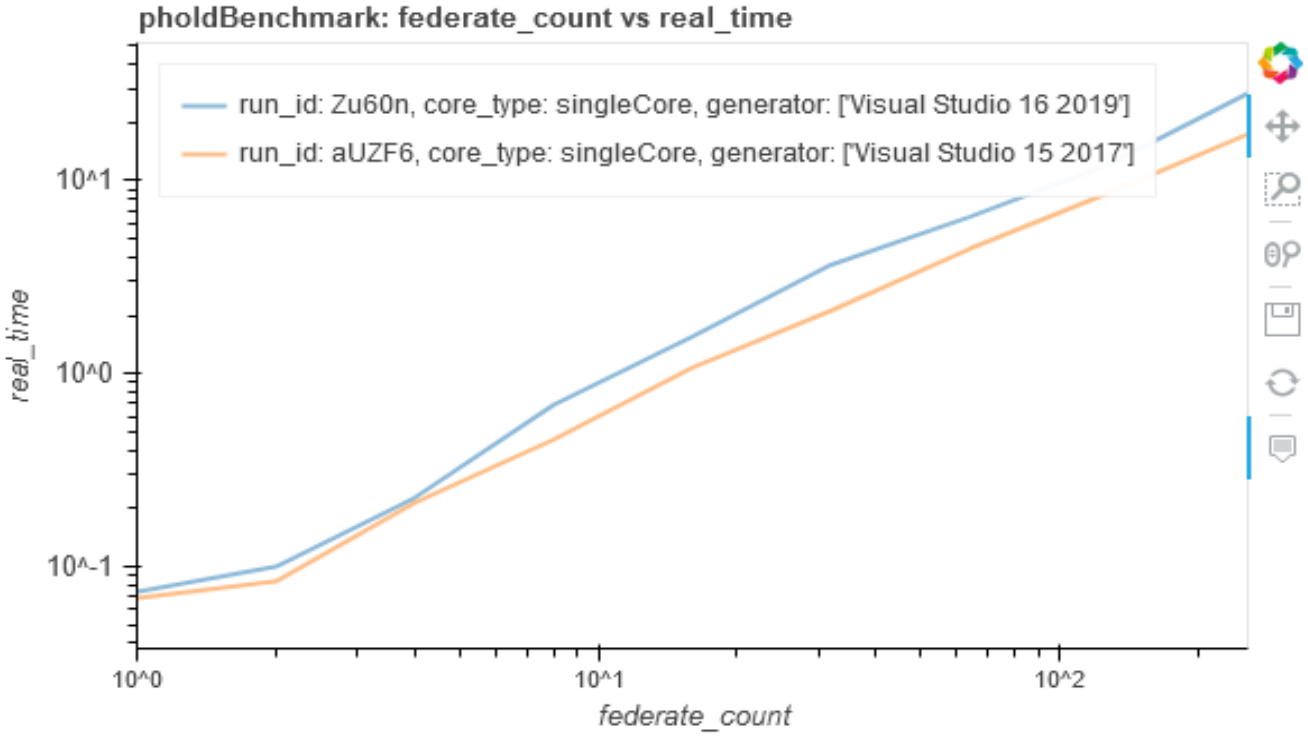

messageSend, msg_sz=1: message_count vs real_time
run_id: Zu60n, core_type: zmq, generator: ['Visual Studio 16 2019']
run_id: aUZF6, core_type: zmq, generator: ['Visual Studio 15 2017']
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
real_time
10^0
10^1
10^2
message_count

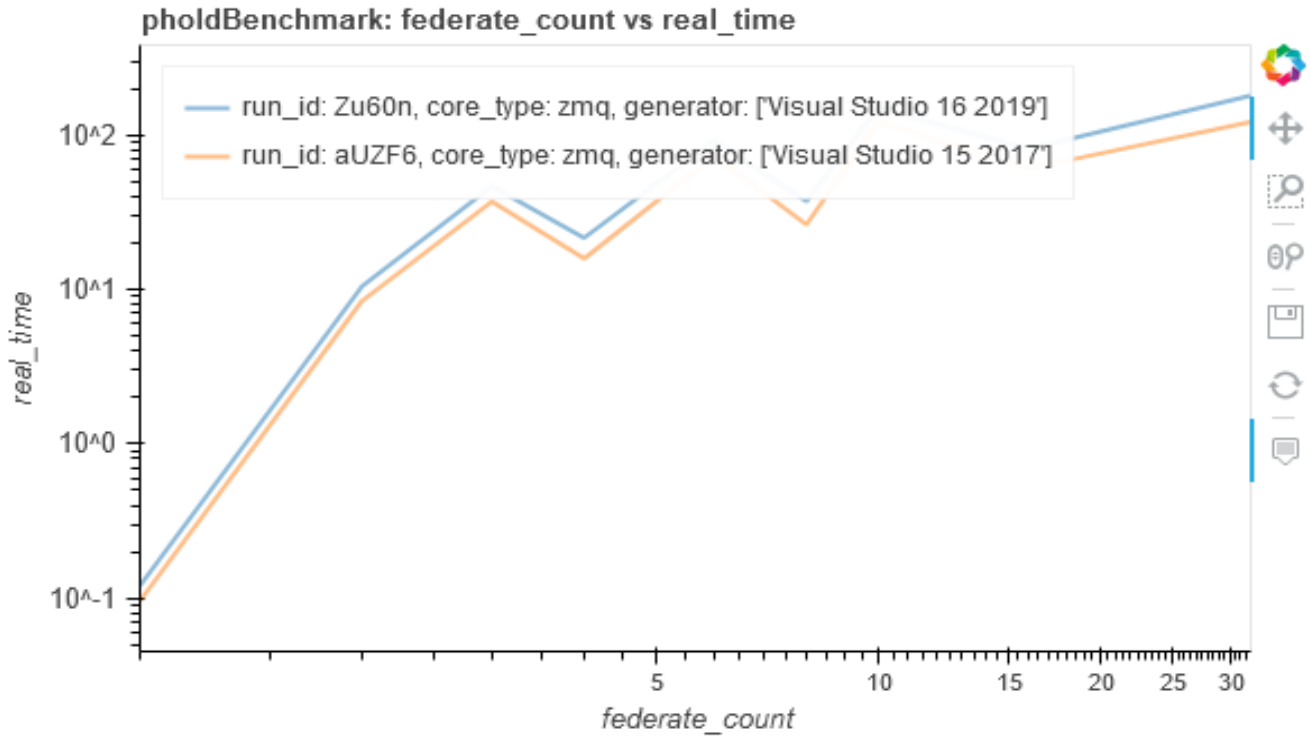

messageSend, msg_sz=1: message_count vs real_time
run_id: Zu60n, core_type: zmqss, generator: ['Visual Studio 16 2019']
run_id: aUZF6, core_type: zmqss, generator: ['Visual Studio 15 2017']
0.7
0.6
0.5
0.4
0.3
0.2
0.1
real_time
10^0
10^1
10^2
message_count

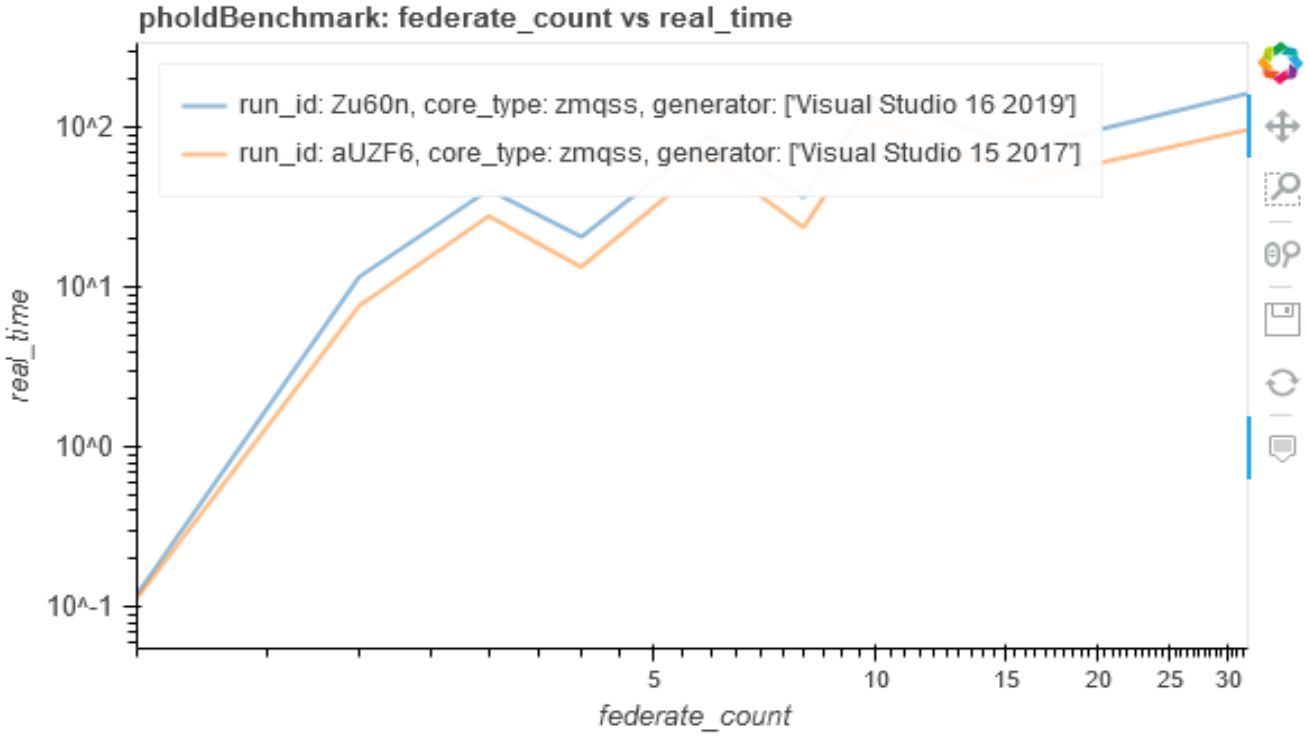

messageSend, singleCore: message_size vs real_time
run_id: Zu60n, core_type: singleCore, generator: ['Visual Studio 16 2019']
run_id: aUZF6, core_type: singleCore, generator: ['Visual Studio 15 2017']
0.01
0.005
real_time
10^0
10^1
10^2
10^3
10^4
10^5
10^6
message_size

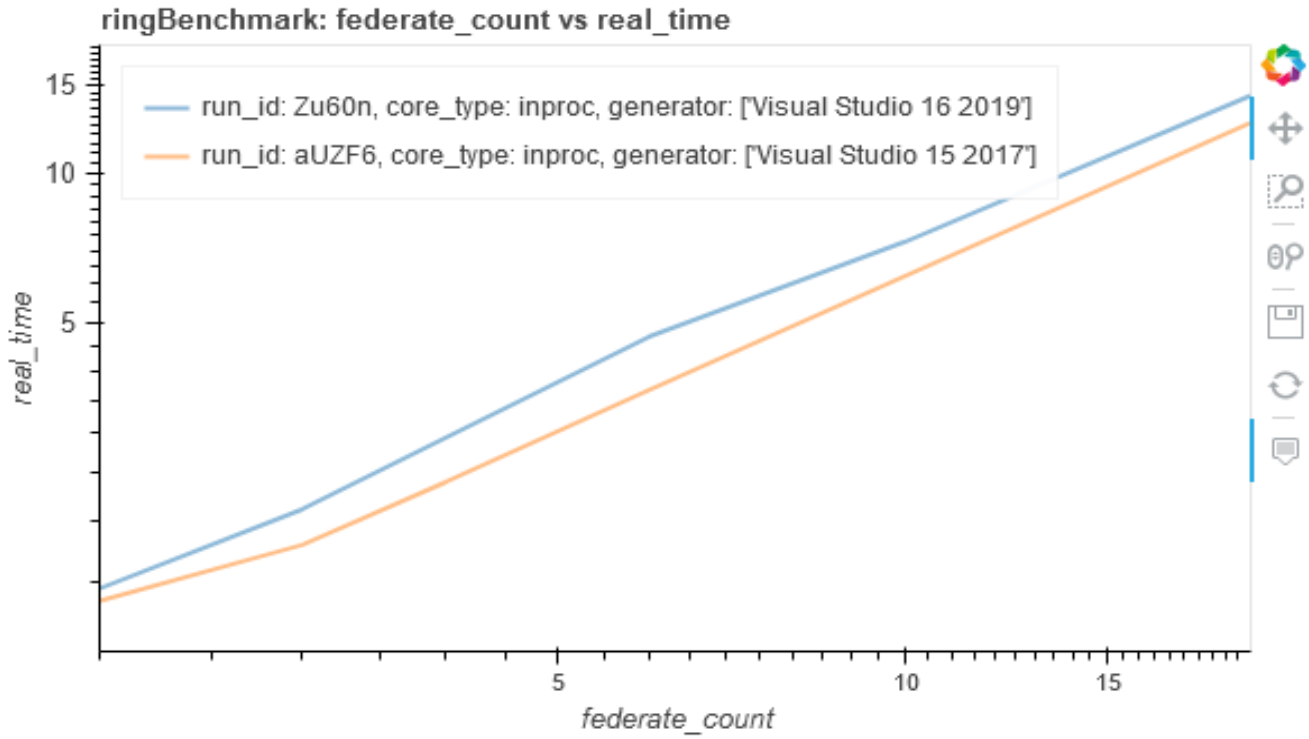

pholdBenchmark: federate_count vs real_time
run_id: Zu60n, core_type: inproc, generator: ['Visual Studio 16 2019']
run_id: aUZF6, core_type: inproc, generator: ['Visual Studio 15 2017']
10^1
10^0
10^-1
10^-2
10^-3
10^-4
10^-5
10^-6
real_time
10
20
30
40
50
60
federate_count

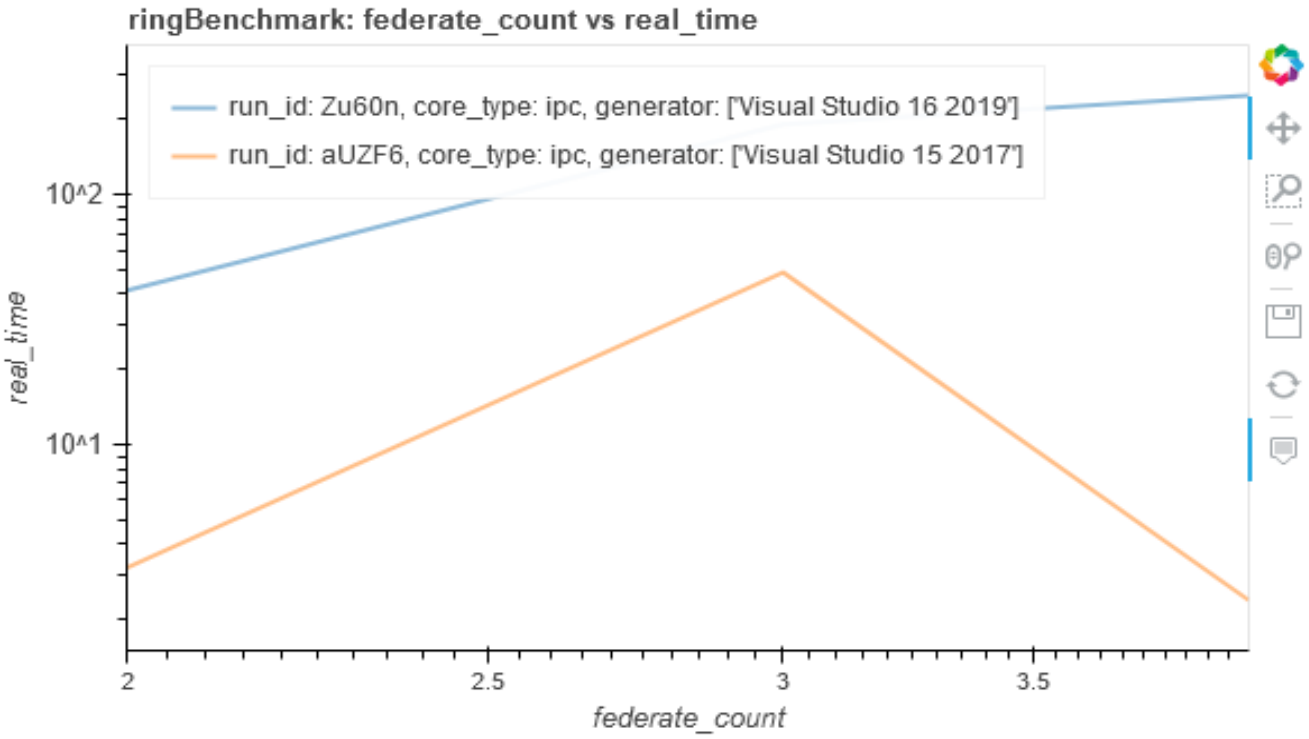

pholdBenchmark: federate_count vs real_time
run_id: Zu60n, core_type: ipc, generator: ['Visual Studio 16 2019']
run_id: aUZF6, core_type: ipc, generator: ['Visual Studio 15 2017']
10^2
10^1
10^0
10^-1
real_time
10
20
30
40
50
60
federate_count

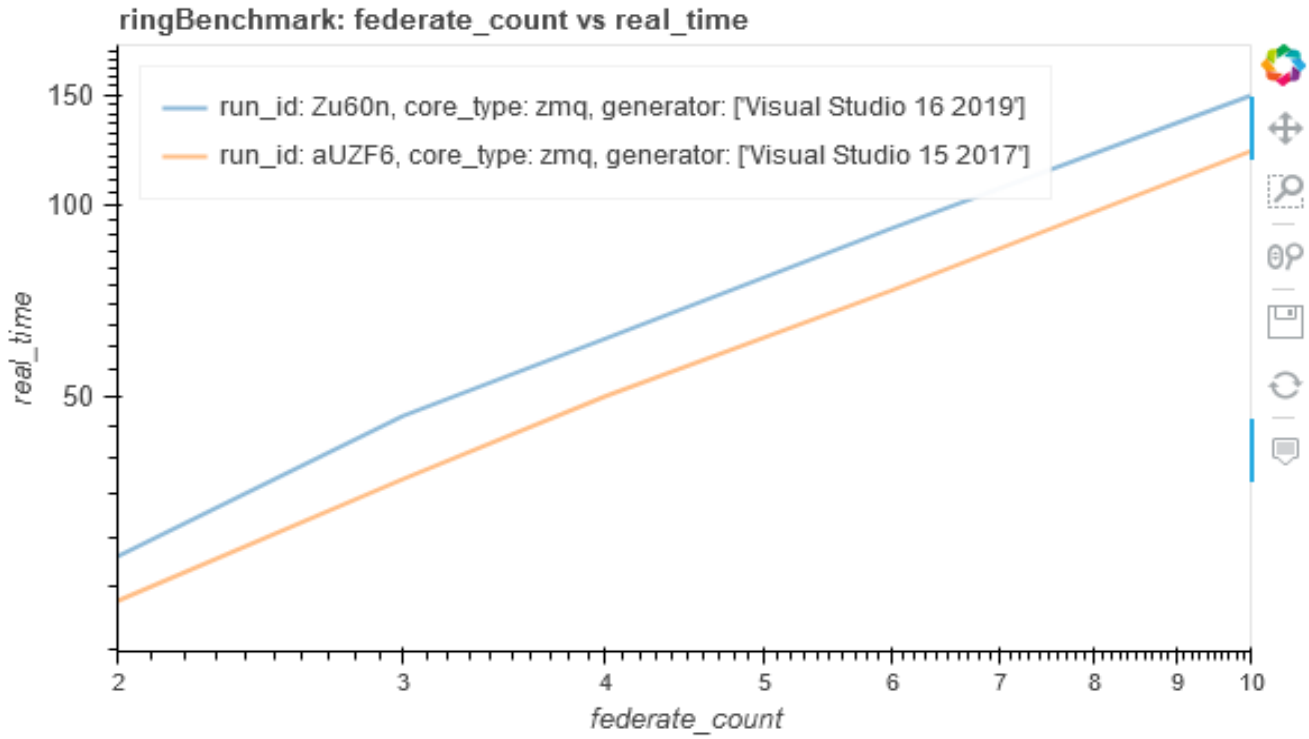

pholdBenchmark: federate_count vs real_time
run_id: Zu60n, core_type: singleCore, generator: ['Visual Studio 16 2019']
run_id: aUZF6, core_type: singleCore, generator: ['Visual Studio 15 2017']
10^1
10^0
10^-1
real_time
10^0
10^1
10^2
federate_count

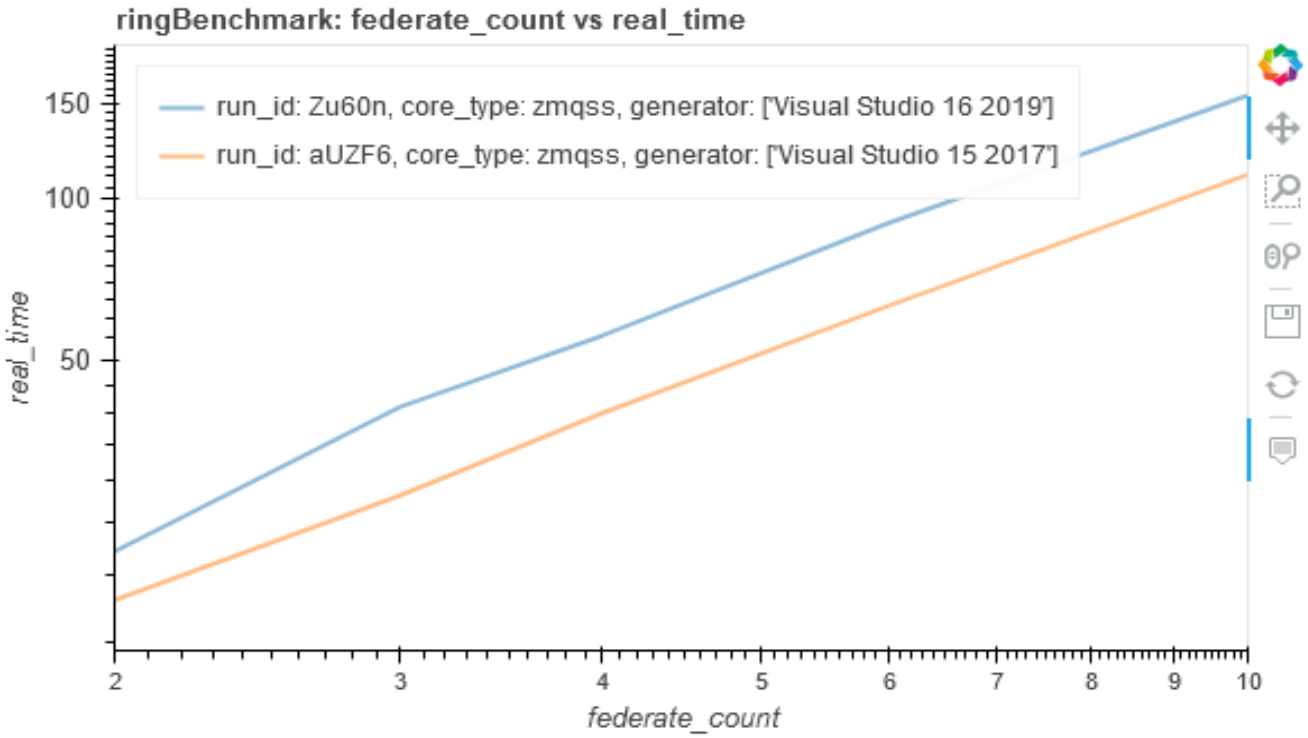

pholdBenchmark: federate_count vs real_time
run_id: Zu60n, core_type: zmq, generator: ['Visual Studio 16 2019']
run_id: aUZF6, core_type: zmq, generator: ['Visual Studio 15 2017']
10^2
10^1
10^0
10^-1
real_time
5
10
15
20
25
30
federate_count


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']
10^2
10^1
10^0
10^-1
real_time
5
10
15
20
25
30
federate_count


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']
15
10
5
real_time
5
10
15
federate_count


ringBenchmark: 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']
10^2
10^1
real_time
2
2.5
3
3.5
federate_count


ringBenchmark: 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']
150
100
50
real_time
2
3
4
5
6
7
8
9
10
federate_count


ringBenchmark: 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']
real_time
150
100
50
2
3
4
5
6
7
8
9
10
federate_count