Cross-run-ID Comparison Report

DATE:
Zu60n: 12/02/19 10:09:34
aUZF6: 12/02/19 15:38:39

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

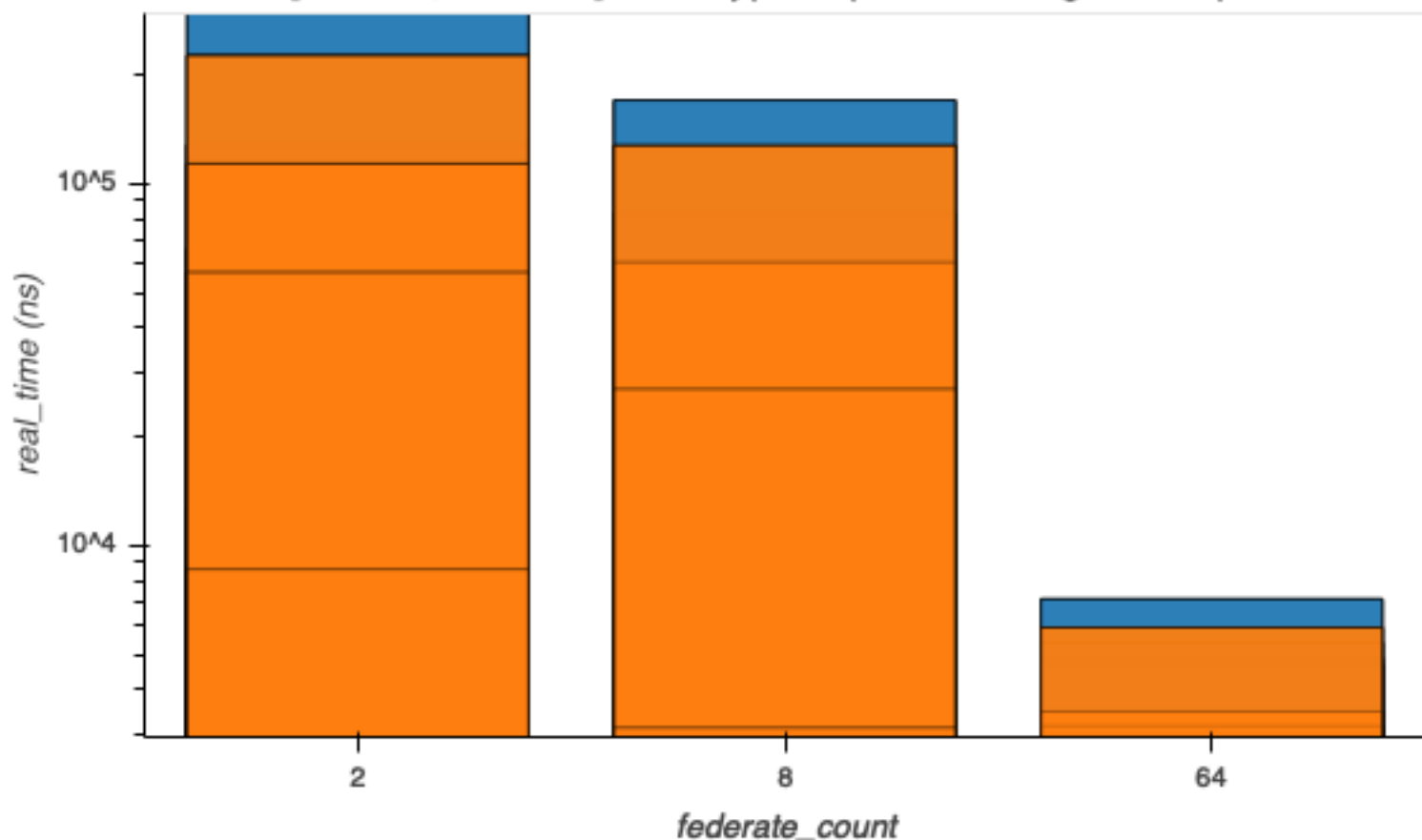HOST_PROCESSOR:
Zu60n: AMD64
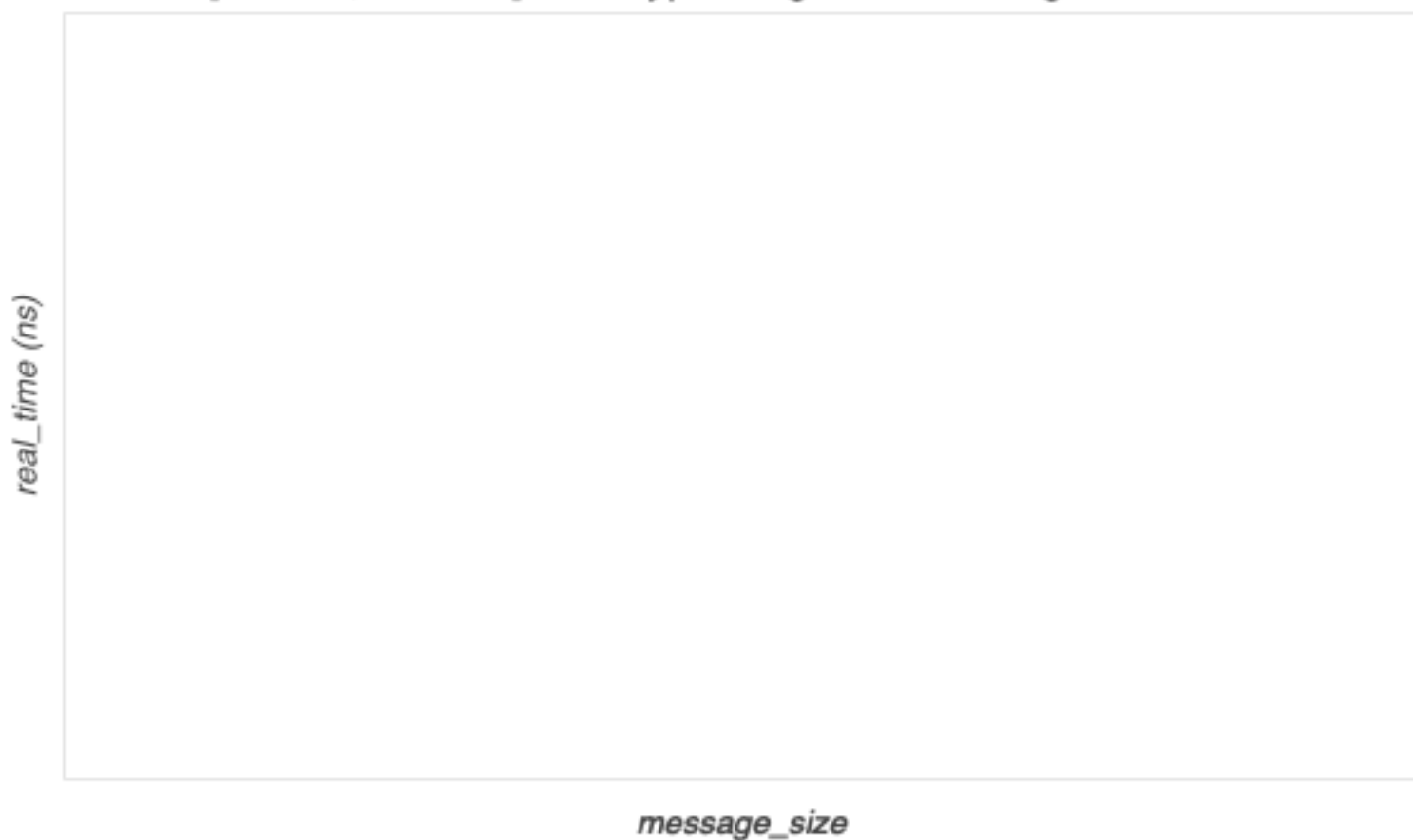aUZF6: AMD64

NUM_CPUS:
Zu60n: 8
aUZF6: 8

MHZ_PER_CPU:
Zu60n: 2295
aUZF6: 3492

run_ids ['Zu60n', 'aUZF6'] core_type: inproc messageLookupBenchmark

_real_time (ns)_ (y-axis with labels 10^5, 10^4)

_federate_count_ (x-axis with labels 2, 8, 64)

run_ids ['Zu60n', 'aUZF6'] core_type: singleFed messageSendBenchmark: m

_real_time (ns)_ (y-axis)

_message_size_ (x-axis)

run_ids ['Zu60n', 'aUZF6'], core_type: inproc echoBenchmark: federate_c

real_time (ns) vs *federate_count*
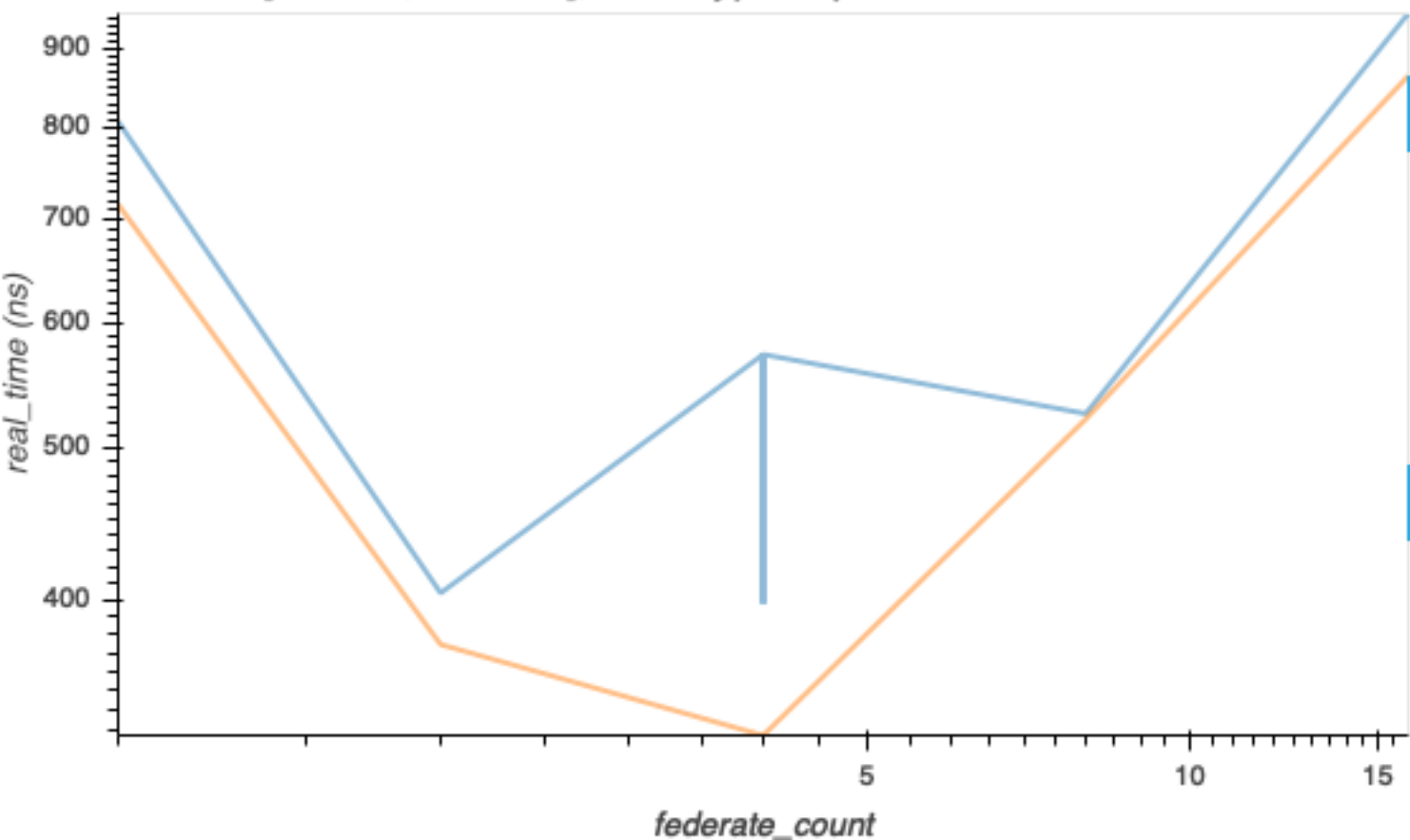
run_ids ['Zu60n', 'aUZF6'], core_type: inproc echoMessageBenchmark: f
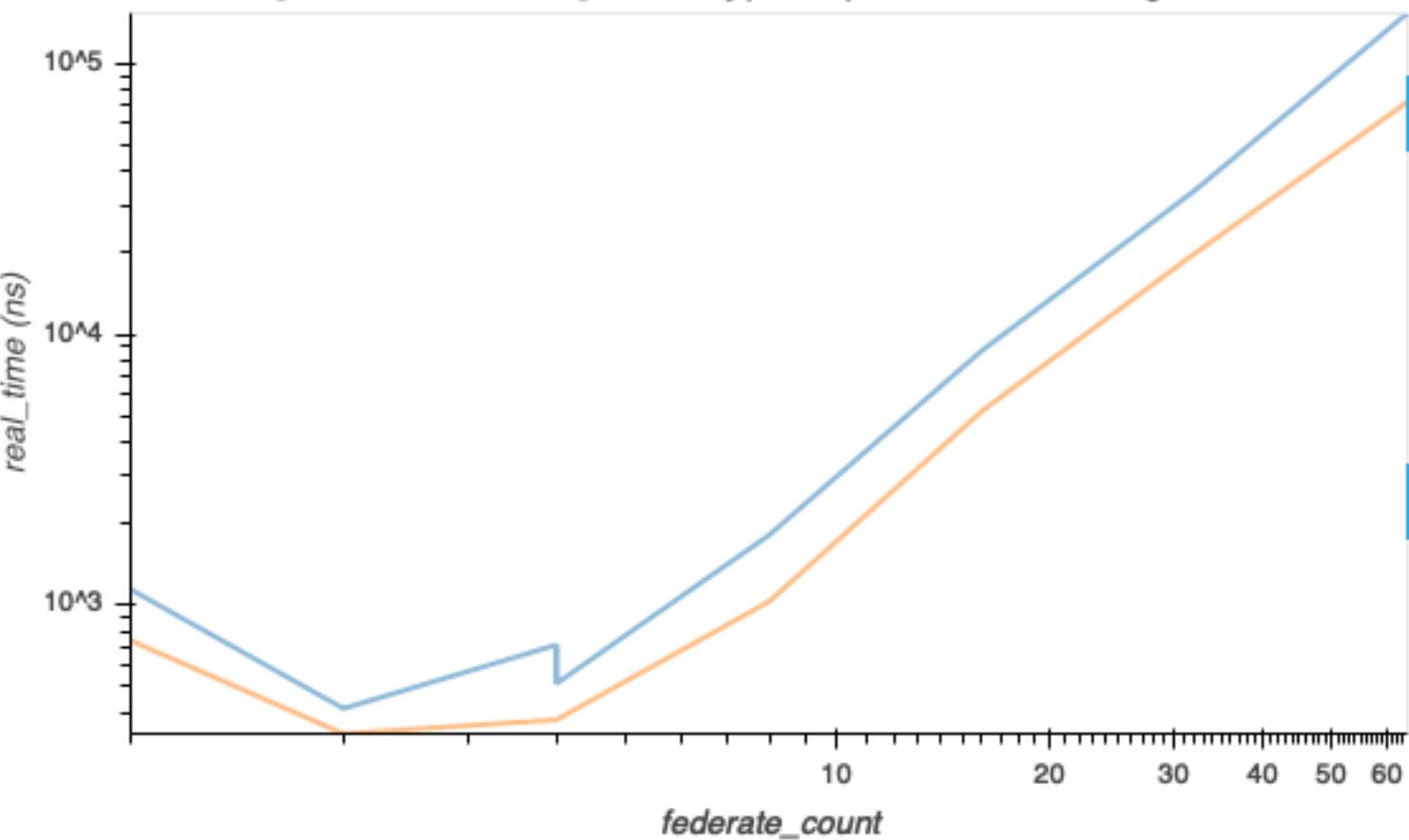
real_time (ns) vs *federate_count*

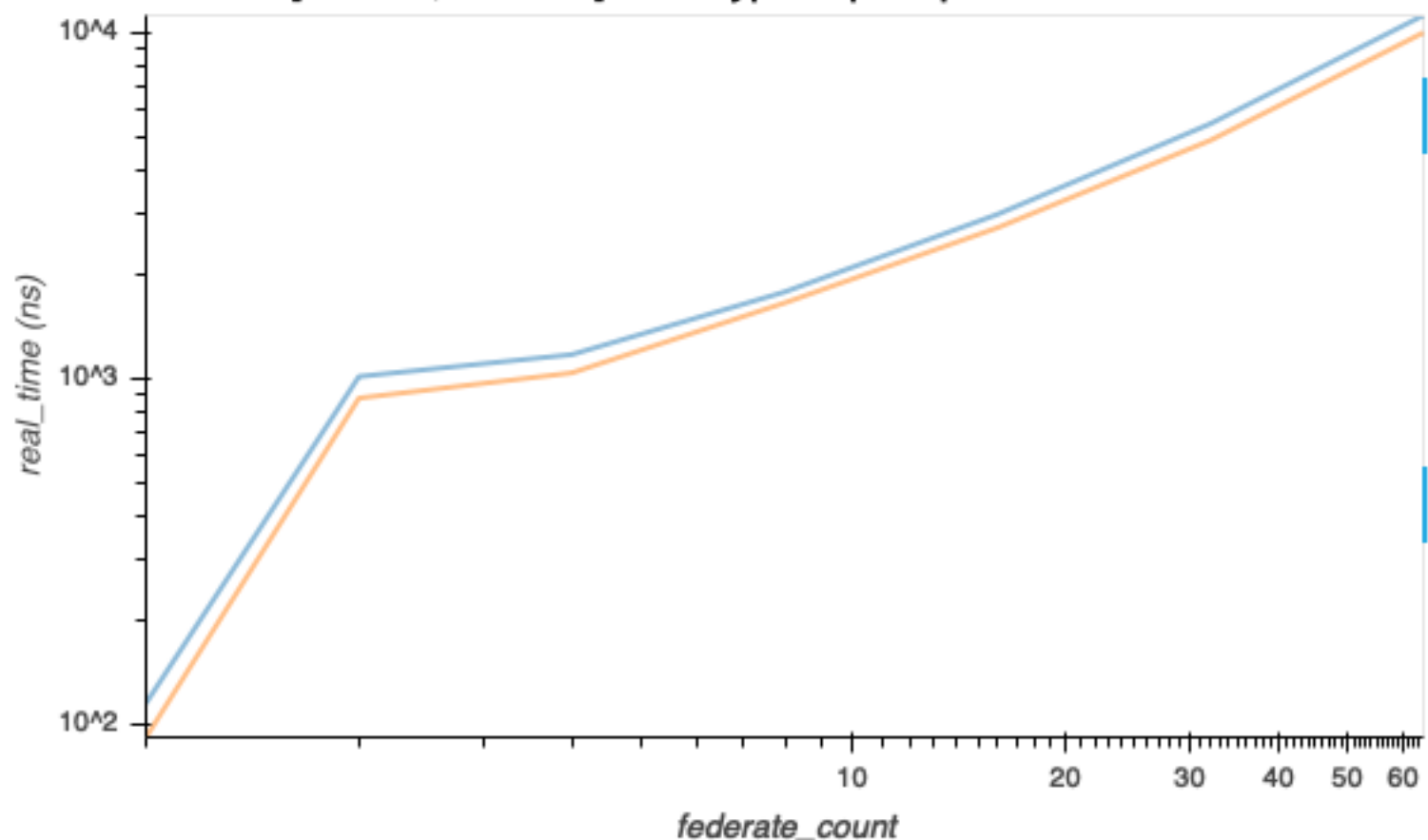## run_ids ['Zu60n', 'aUZF6'] core_type: inproc messageSendBenchmark, mess

real_time (ns)

message_size

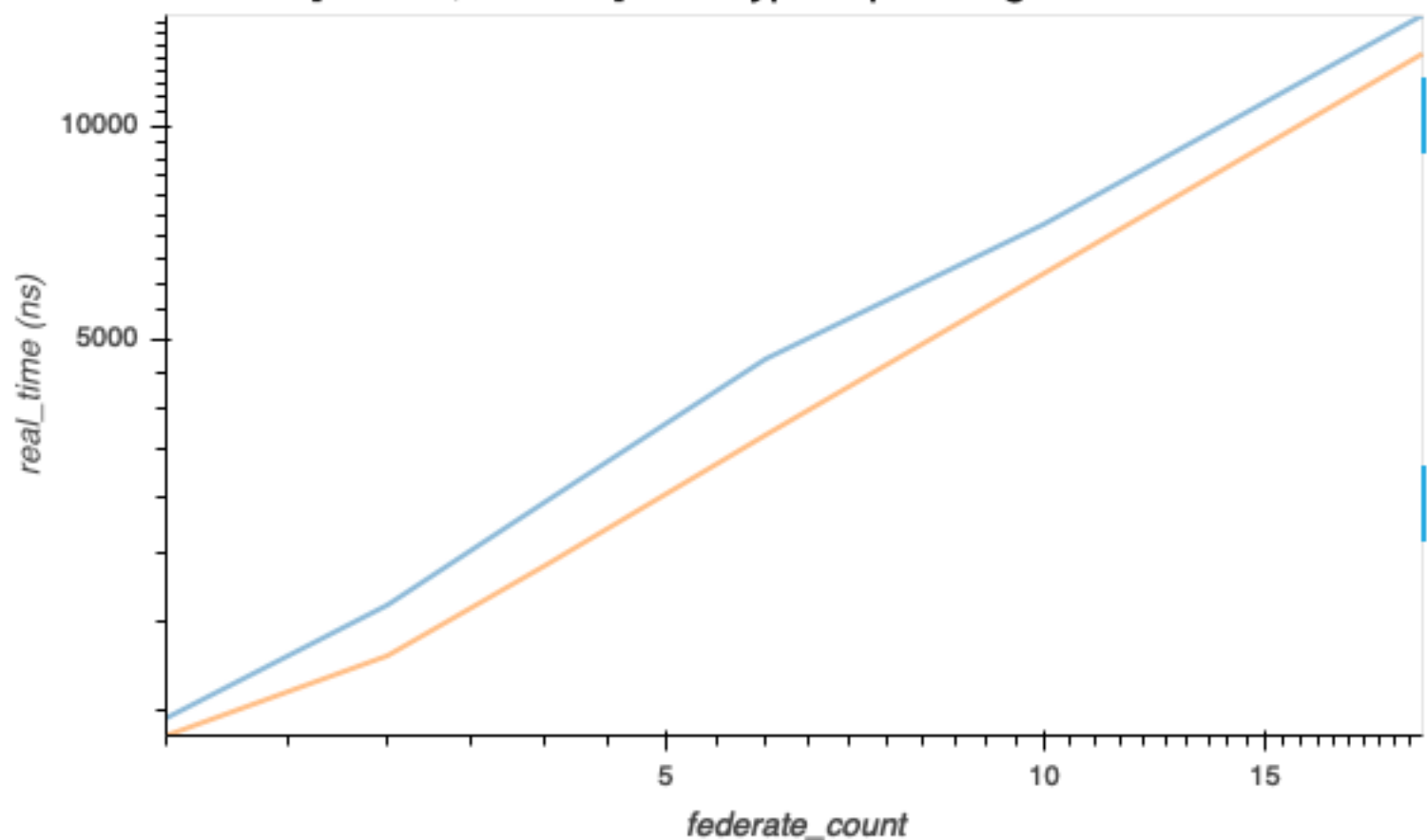## run_ids ['Zu60n', 'aUZF6'] core_type: inproc messageSendBenchmark, mess
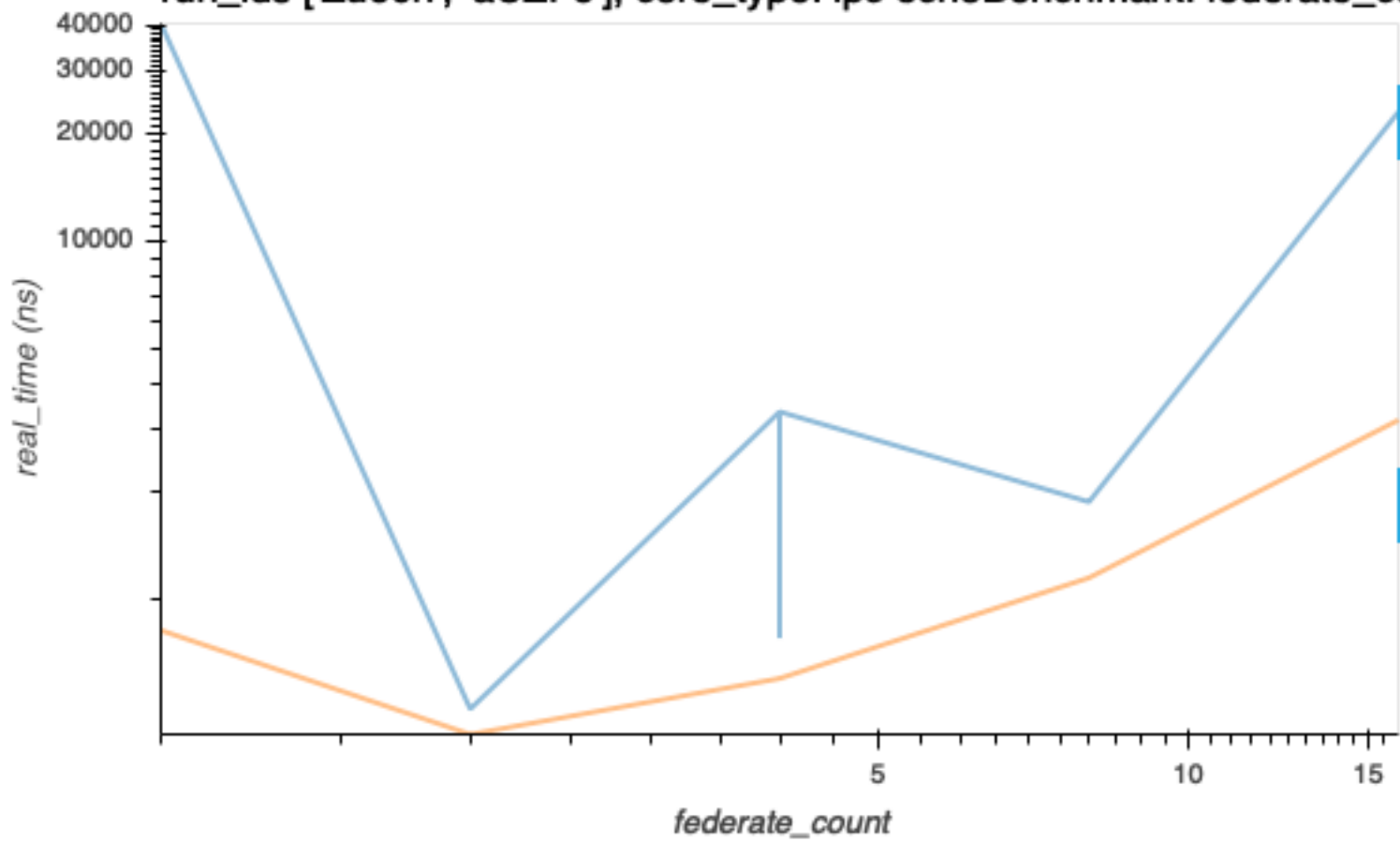
real_time (ns)

message_count

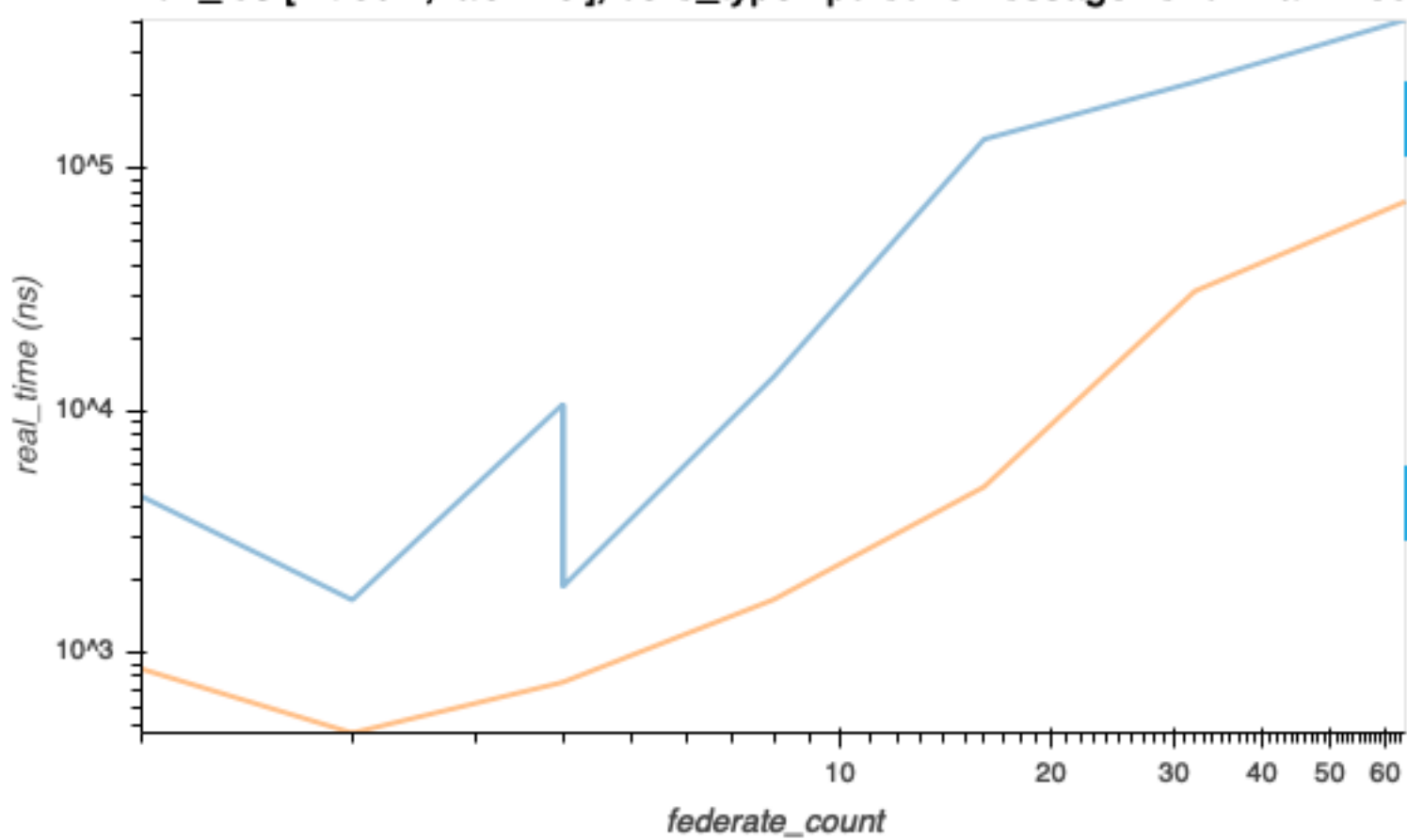run_ids ['Zu60n', 'aUZF6'] core_type: inproc pholdBenchmark: federate_

run_ids ['Zu60n', 'aUZF6'] core_type: inproc ringBenchmark: federate_

run_ids ['Zu60n', 'aUZF6'], core_type: ipc echoBenchmark: federate_co

real_time (ns) vs *federate_count*

run_ids ['Zu60n', 'aUZF6'], core_type: ipc echoMessageBenchmark: fede

real_time (ns) vs *federate_count*

run_ids ['Zu60n', 'aUZF6'] core_type: ipc messageSendBenchmark, message
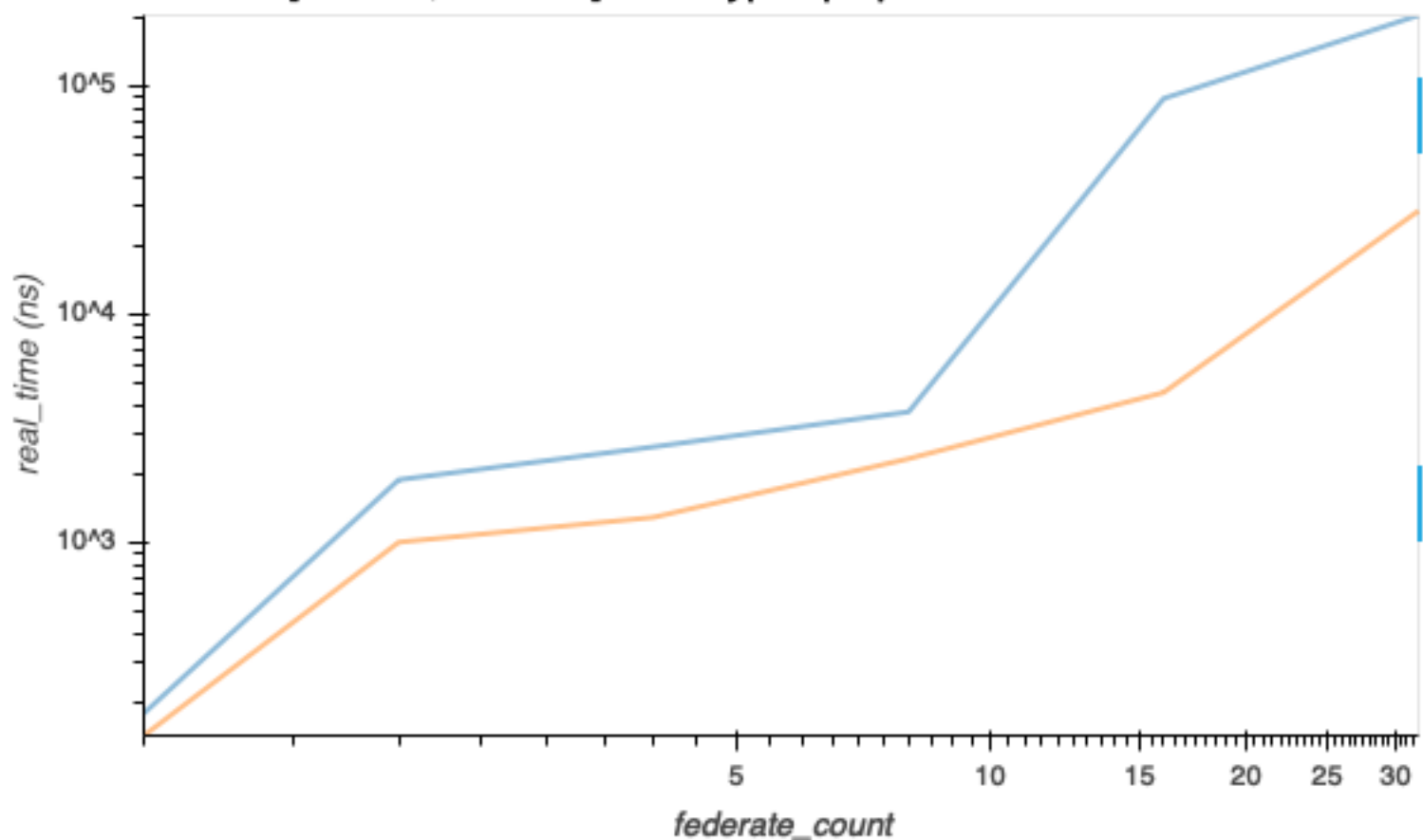
real_time (ns)

message_size

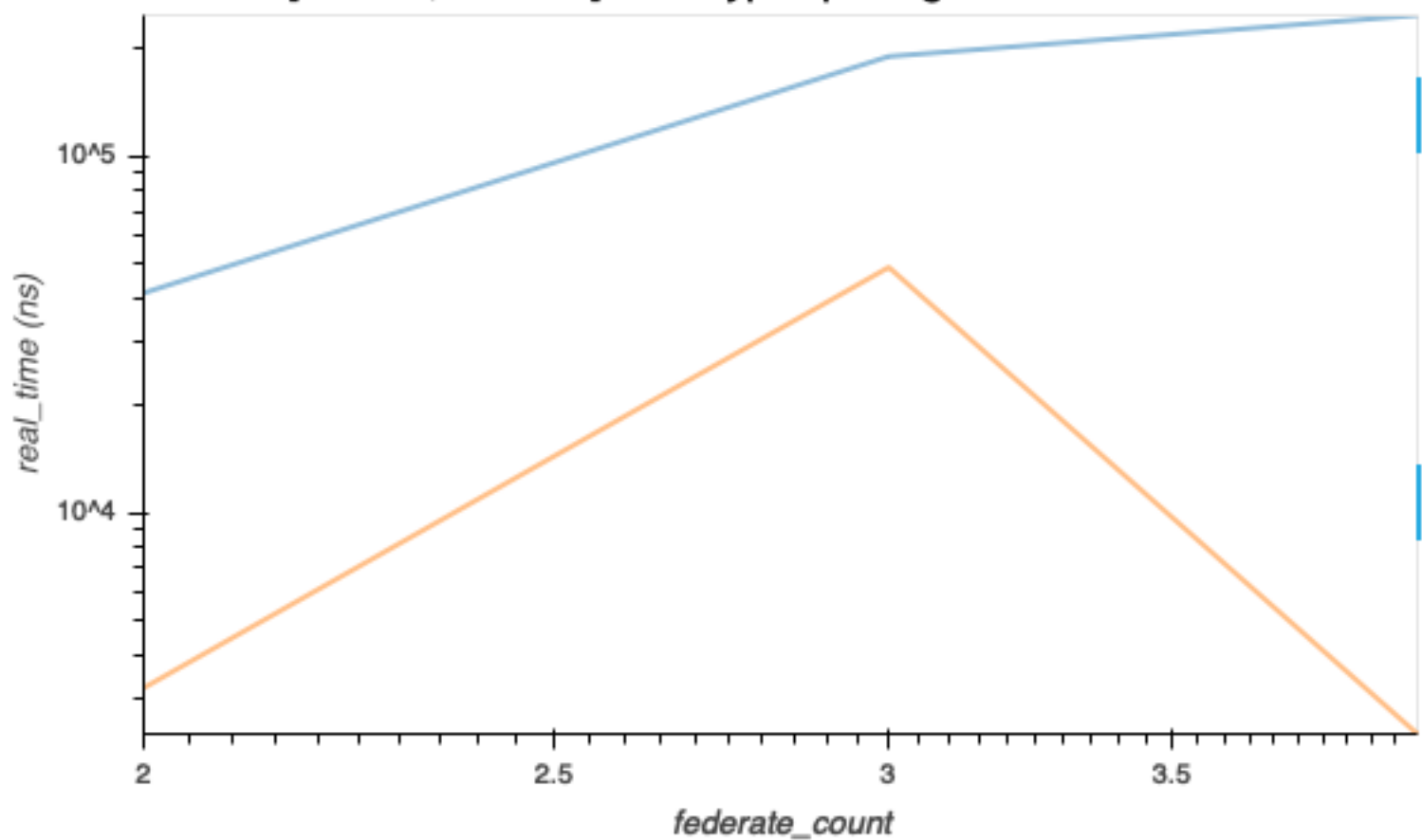## run_ids ['Zu60n', 'aUZF6'] core_type: ipc messageSendBenchmark, message
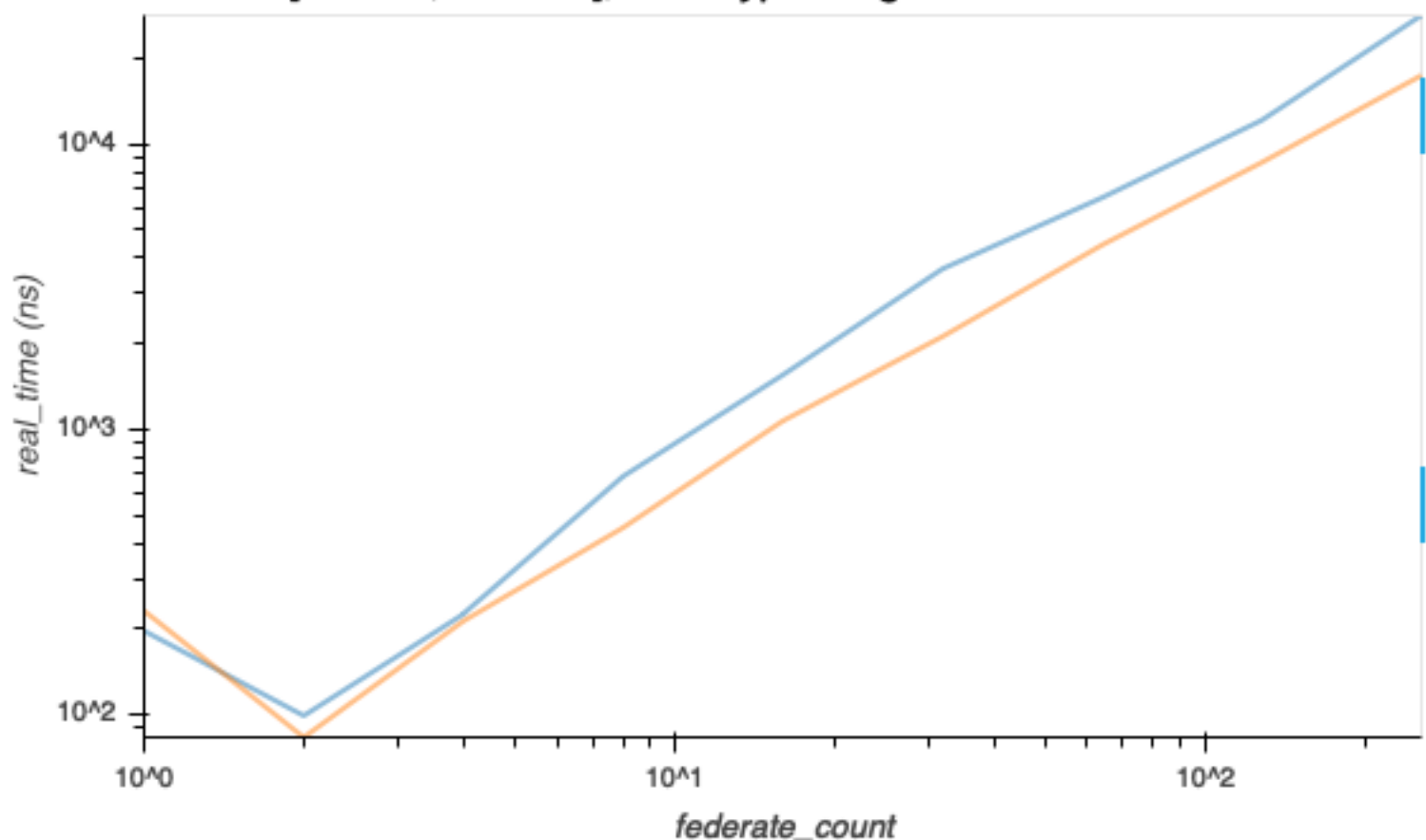
real_time (ns)

message_count

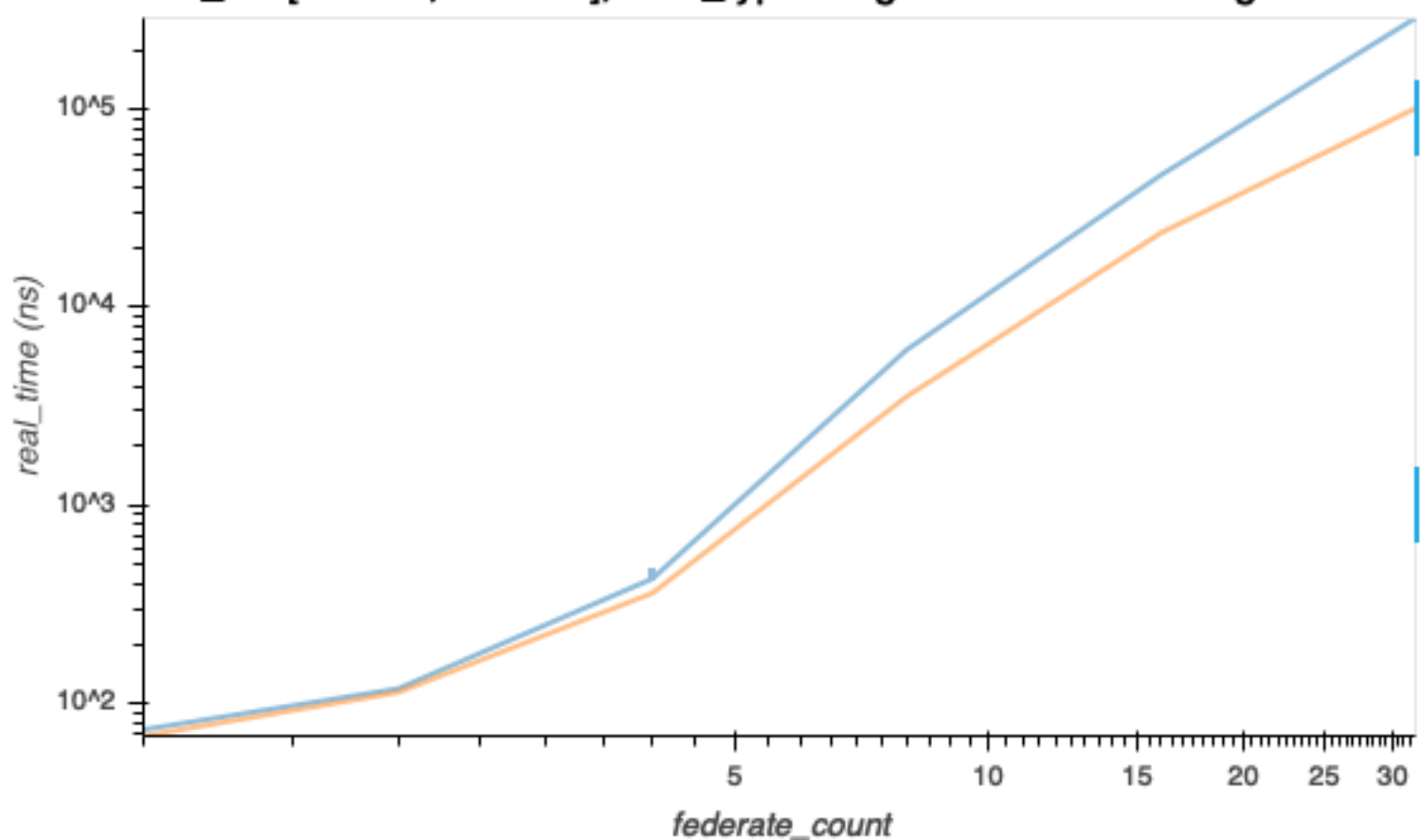run_ids ['Zu60n', 'aUZF6'] core_type: ipc pholdBenchmark: federate_cou

run_ids ['Zu60n', 'aUZF6'] core_type: ipc ringBenchmark: federate_count

run_ids ['Zu60n', 'aUZF6'], core_type: singleCore echoBenchmark: feder

run_ids ['Zu60n', 'aUZF6'], core_type: singleCore echoMessageBenchm

_real_time (ns)_

_message_size_
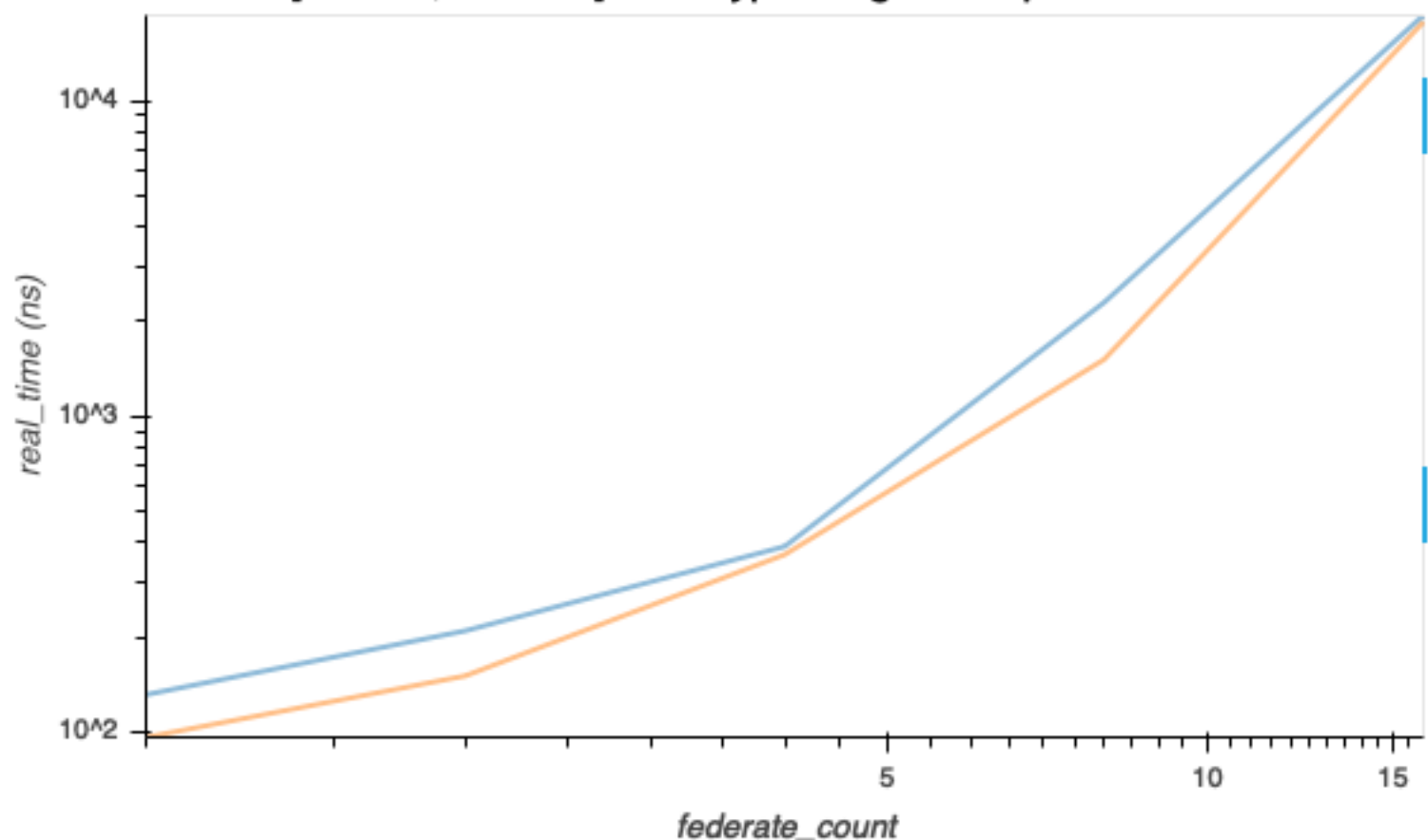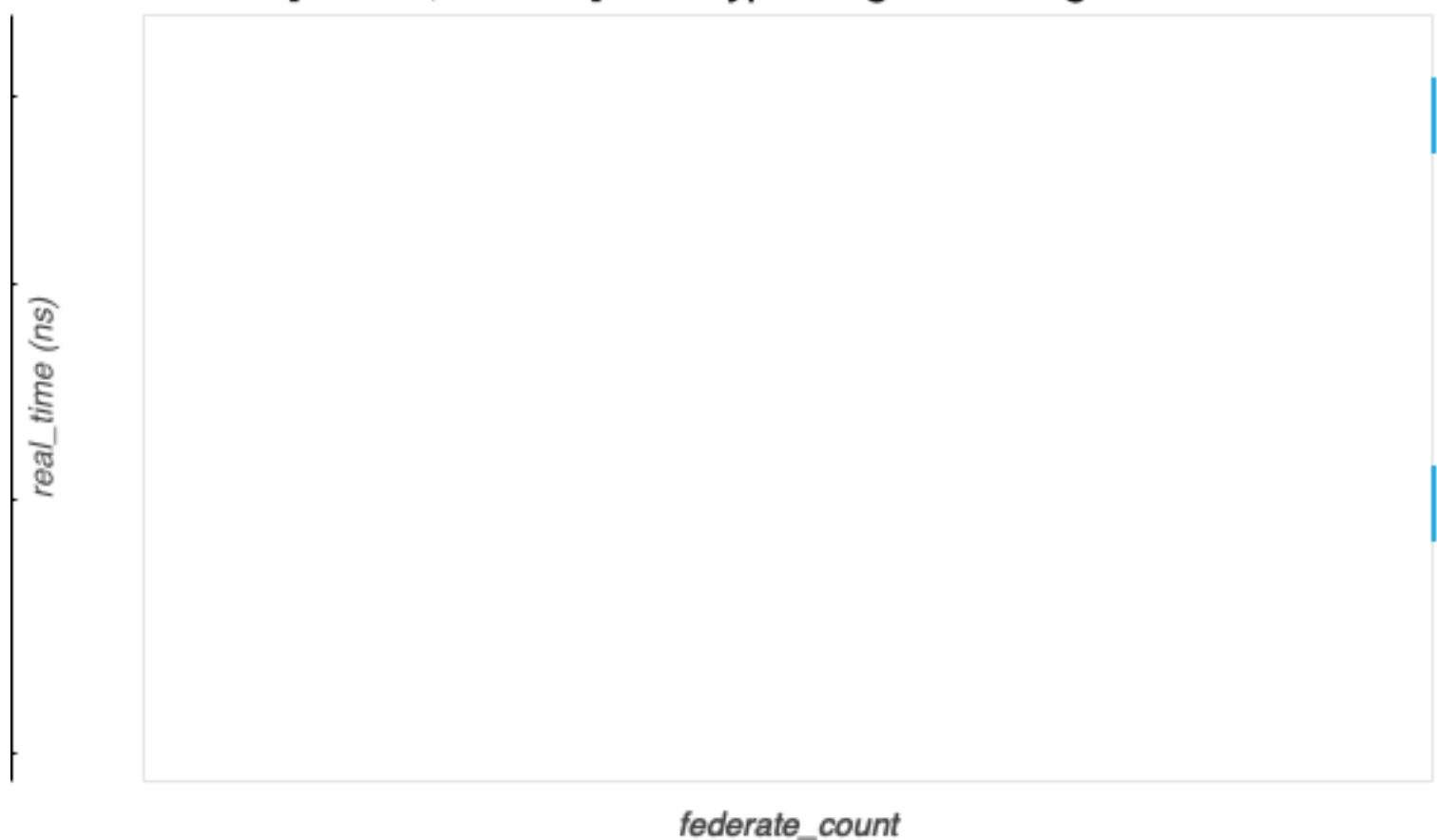
_real_time (ns)_

_message_count_

run_ids ['Zu60n', 'aUZF6'] core_type: singleCore pholdBenchmark: feder

real_time (ns)

- 10^4
- 10^3
- 10^2

federate_count

5   10   15

run_ids ['Zu60n', 'aUZF6'] core_type: singleCore ringBenchmark: federat

real_time (ns)

federate_count

run_ids ['Zu60n', 'aUZF6'], core_type: unspecified echoBenchmark: federate_

federate_count

run_ids ['Zu60n', 'aUZF6'], core_type: unspecified echoMessageBenchmark:

federate_count

run_ids ['Zu60n', 'aUZF6'] core_type: unspecified messageSendBenchmark,

real_time (ns)

message_size

run_ids ['Zu60n', 'aUZF6'] core_type: unspecified messageSendBenchmark,

real_time (ns)

message_count

run_ids ['Zu60n', 'aUZF6'] core_type: unspecified pholdBenchmark: federate_
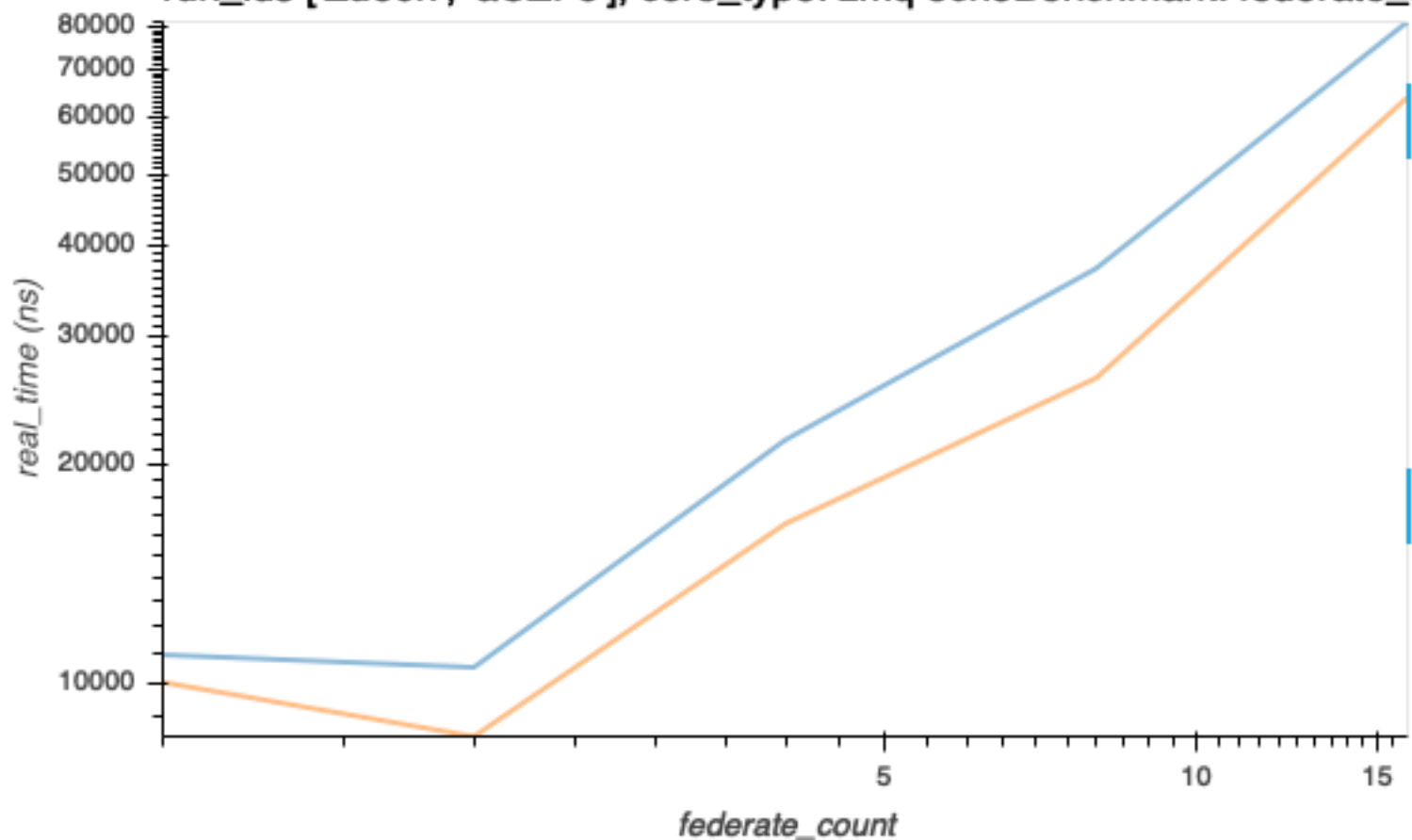
real_time (ns)

federate_count

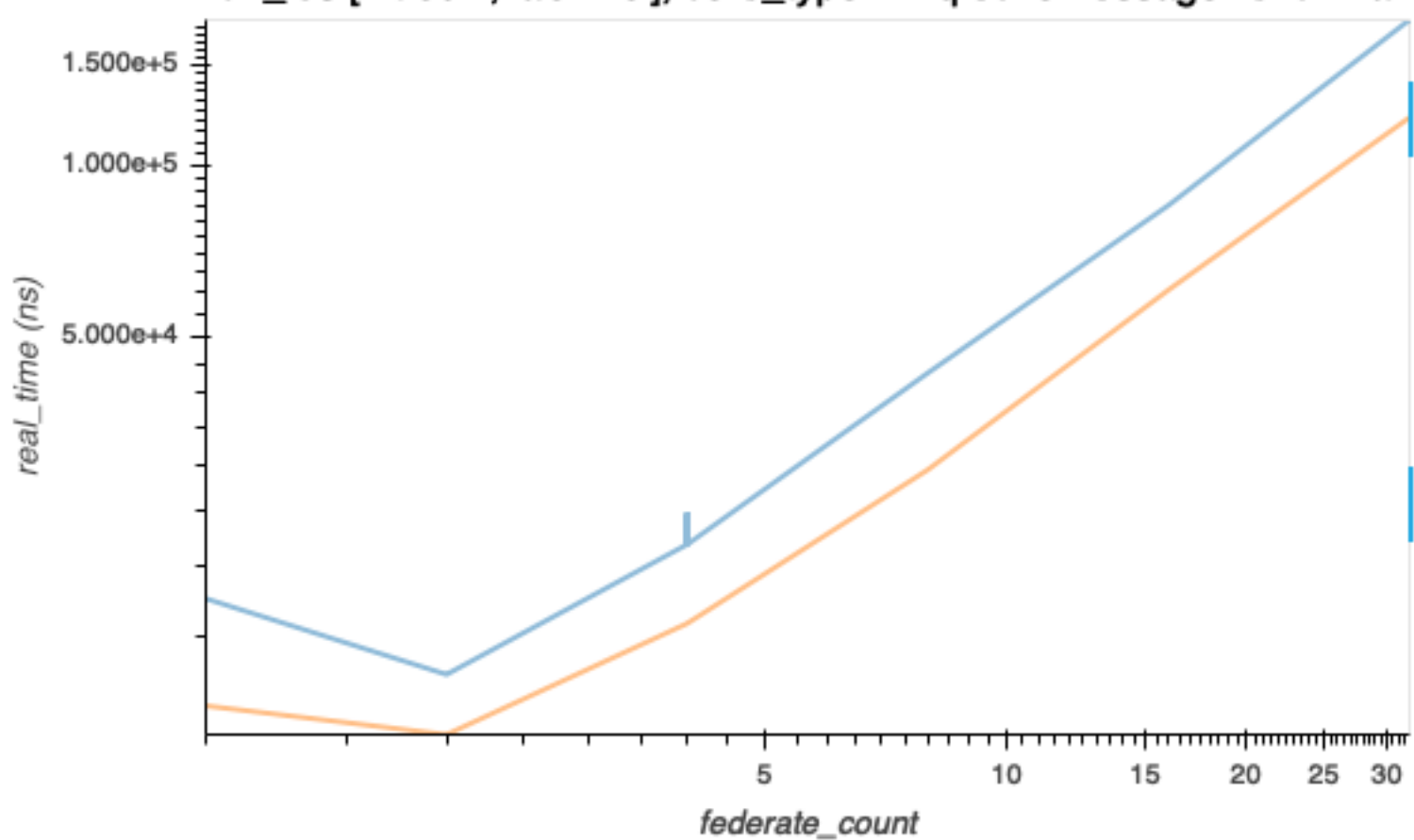## run_ids ['Zu60n', 'aUZF6'] core_type: unspecified ringBenchmark: federate_c

real_time (ns)

federate_count

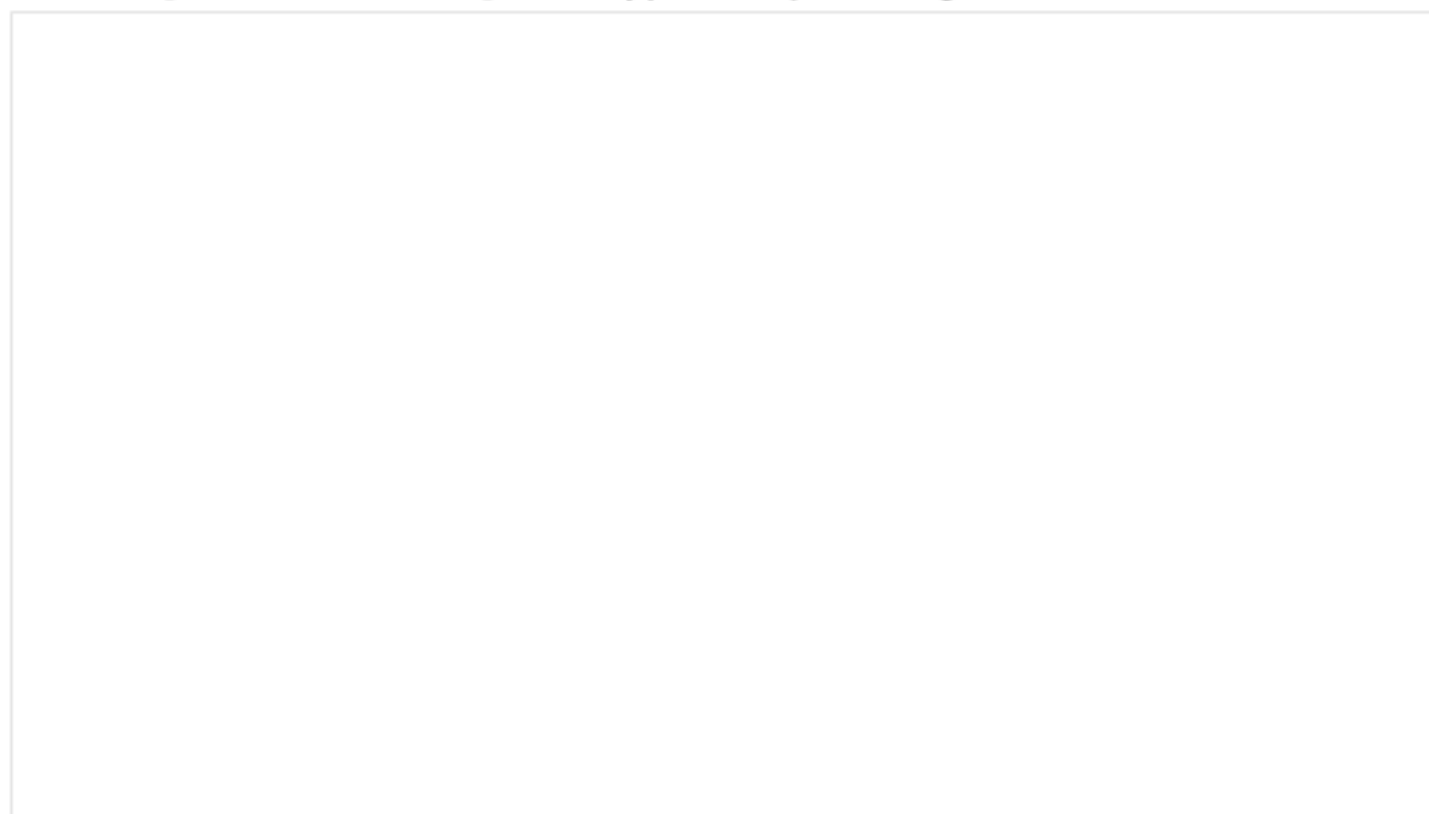## run_ids ['Zu60n', 'aUZF6'], core_type: zmq echoBenchmark: federate_c

real_time (ns) vs *federate_count*

run_ids ['Zu60n', 'aUZF6'], core_type: zmq echoMessageBenchmark

real_time (ns) vs *federate_count*

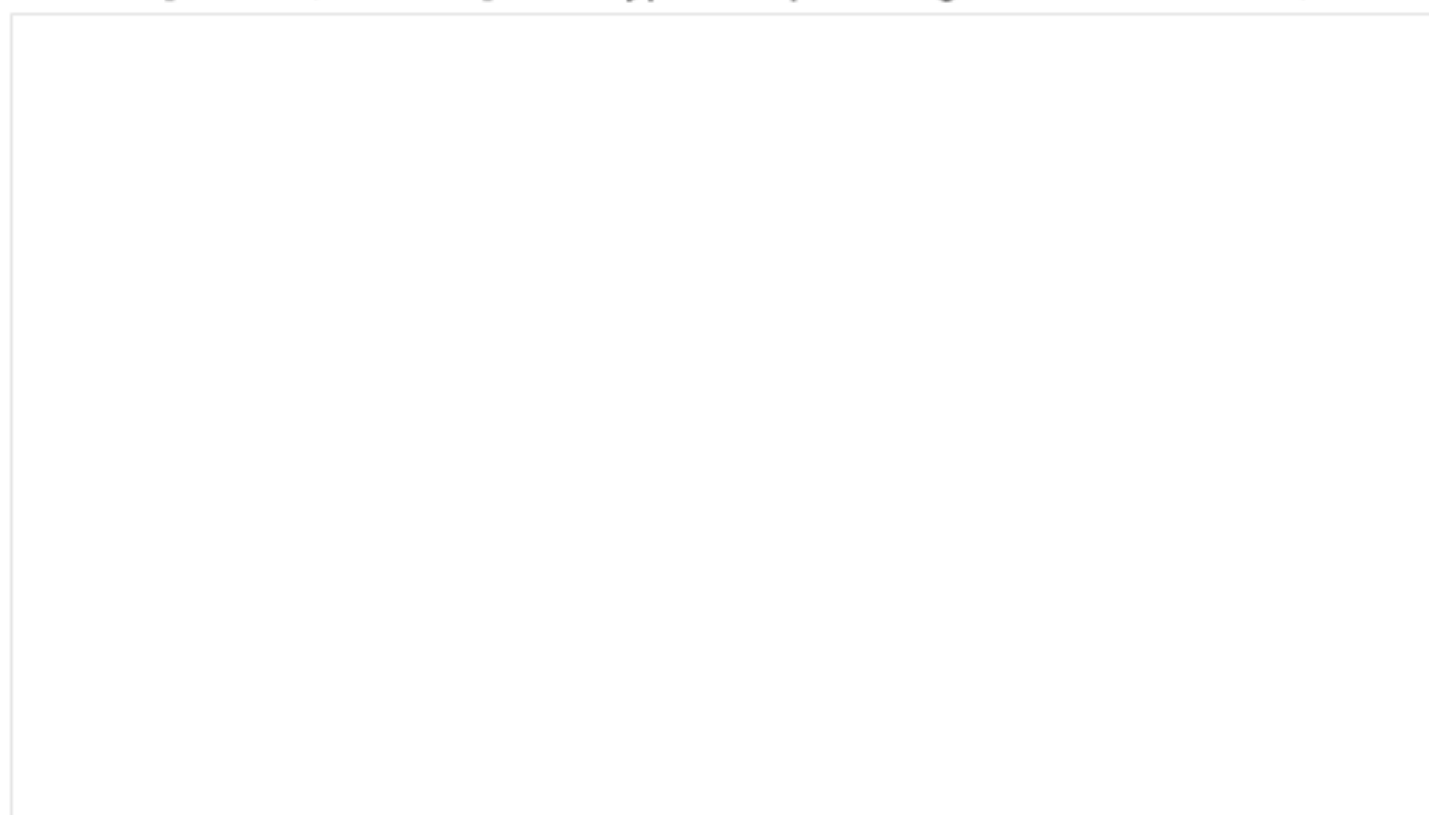run_ids ['Zu60n', 'aUZF6'] core_type: zmq messageSendBenchmark, messag
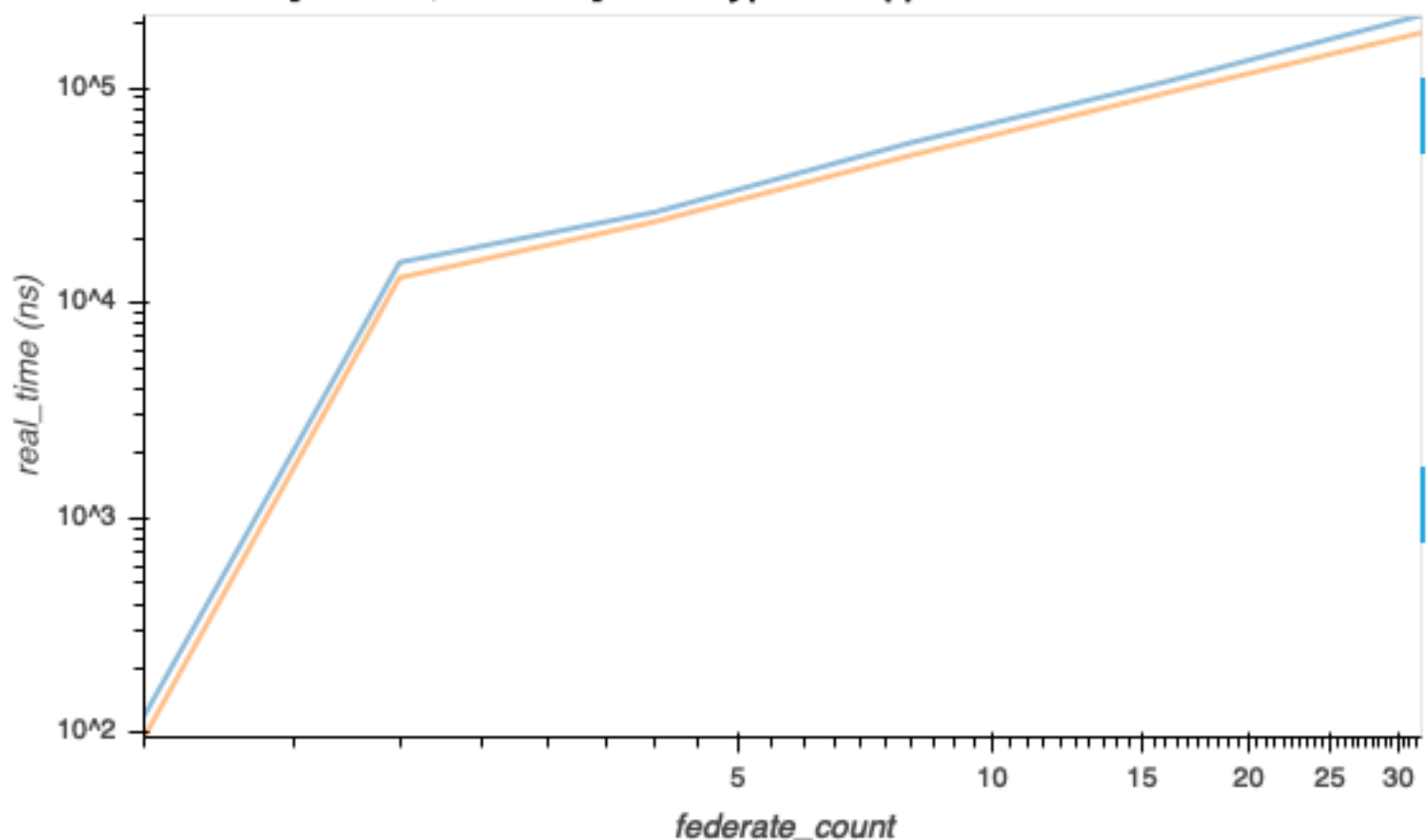
real_time (ns)

message_size

run_ids ['Zu60n', 'aUZF6'] core_type: zmq messageSendBenchmark, messag

real_time (ns)

message_count

run_ids ['Zu60n', 'aUZF6'] core_type: zmq pholdBenchmark: federate_co

real_time (ns)

10^5

10^4

10^3

10^2

5   10   15   20   25   30

federate_count

run_ids ['Zu60n', 'aUZF6'] core_type: zmq ringBenchmark: federate_

real_time (ns)

1.000e+5

5.000e+4

2   3   4   5   6   7   8   9   10

federate_count

run_ids ['Zu60n', 'aUZF6'], core_type: zmqss echoBenchmark: federate

run_ids ['Zu60n', 'aUZF6'], core_type: zmqss echoMessageBenchma

run_ids ['Zu60n', 'aUZF6'] core_type: zmqss messageSendBenchmark, mess

real_time (ns)

message_size

run_ids ['Zu60n', 'aUZF6'] core_type: zmqss messageSendBenchmark, mess
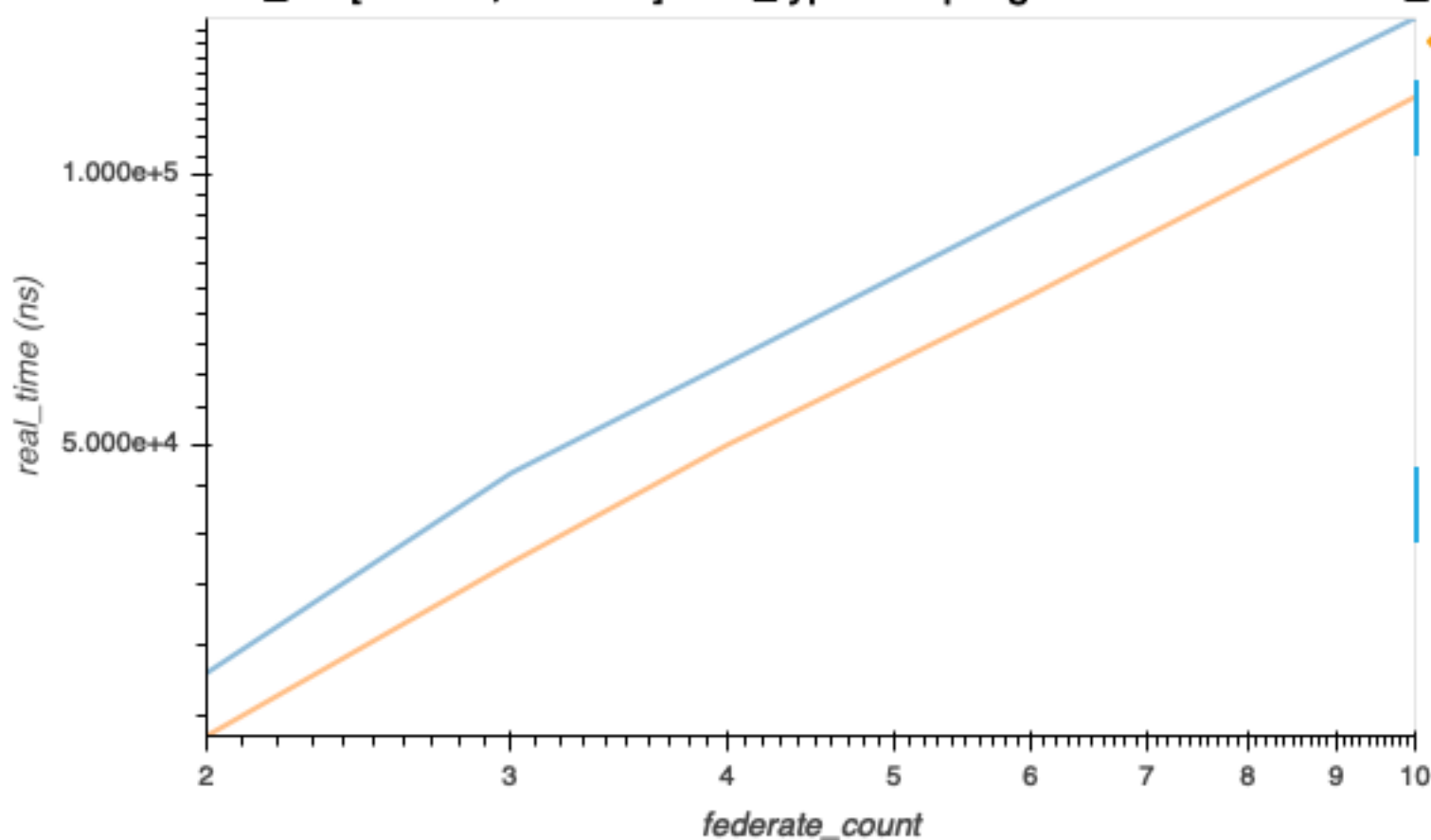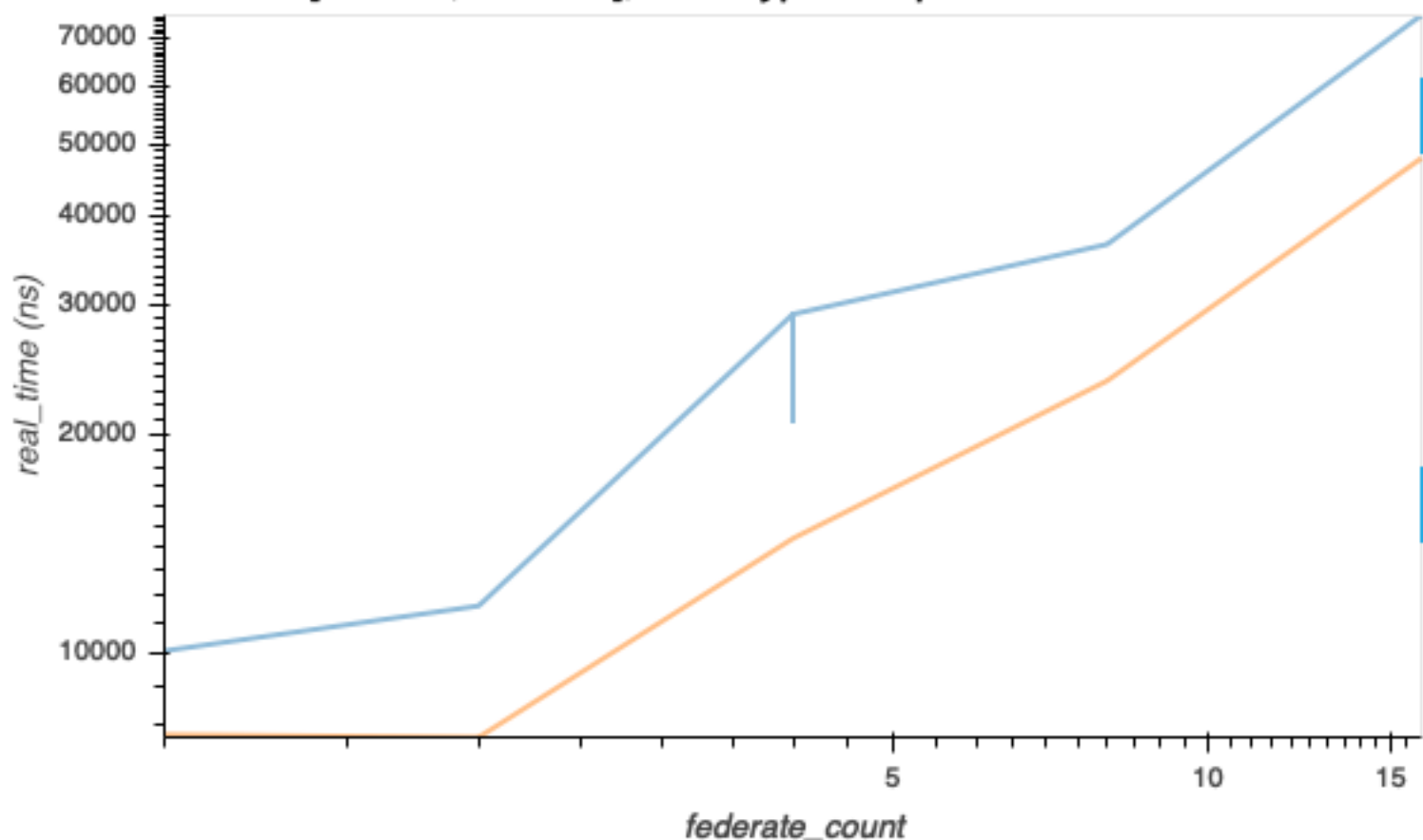
real_time (ns)

message_count

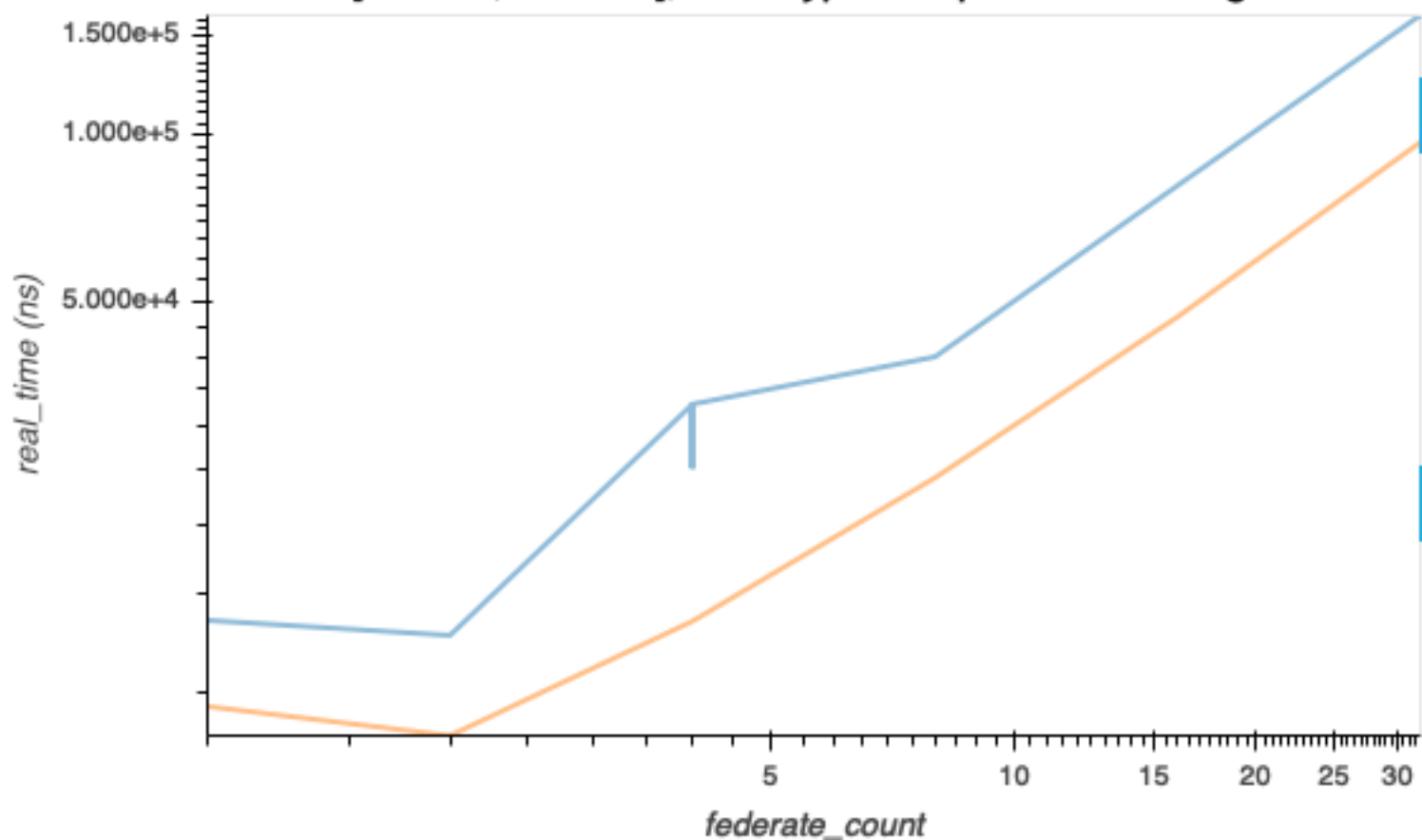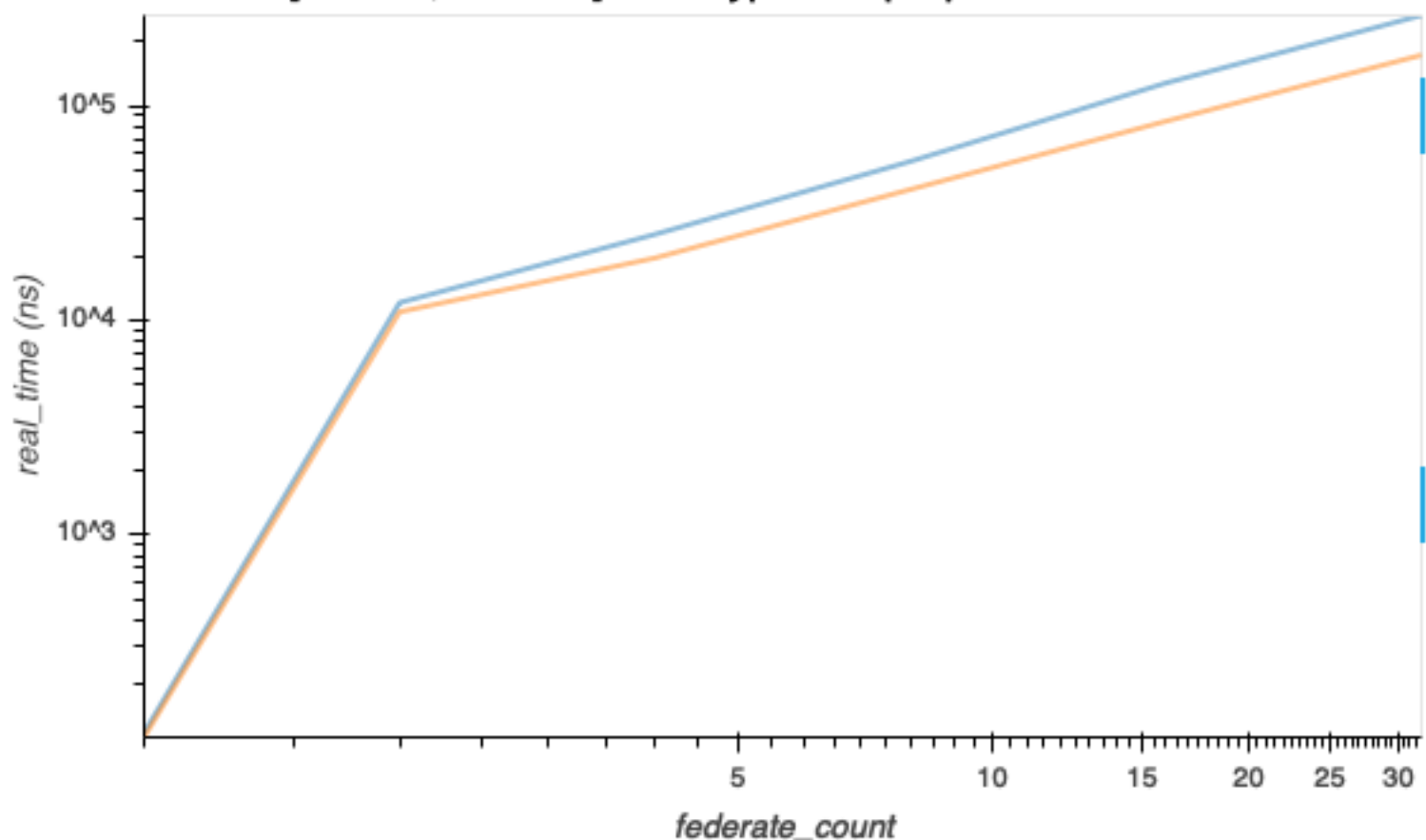run_ids ['Zu60n', 'aUZF6'] core_type: zmqss pholdBenchmark: federate_

real_time (ns) vs *federate_count*

run_ids ['Zu60n', 'aUZF6'] core_type: zmqss ringBenchmark: federate

real_time (ns) vs *federate_count*