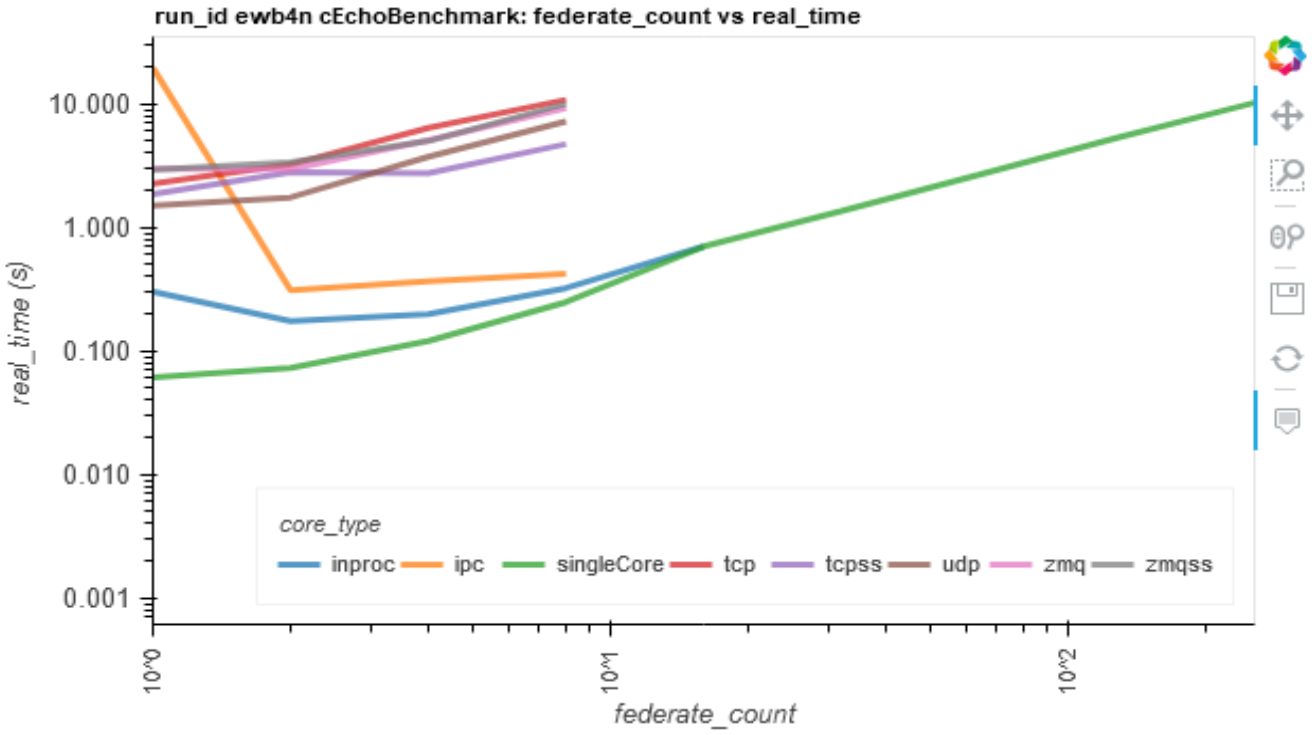
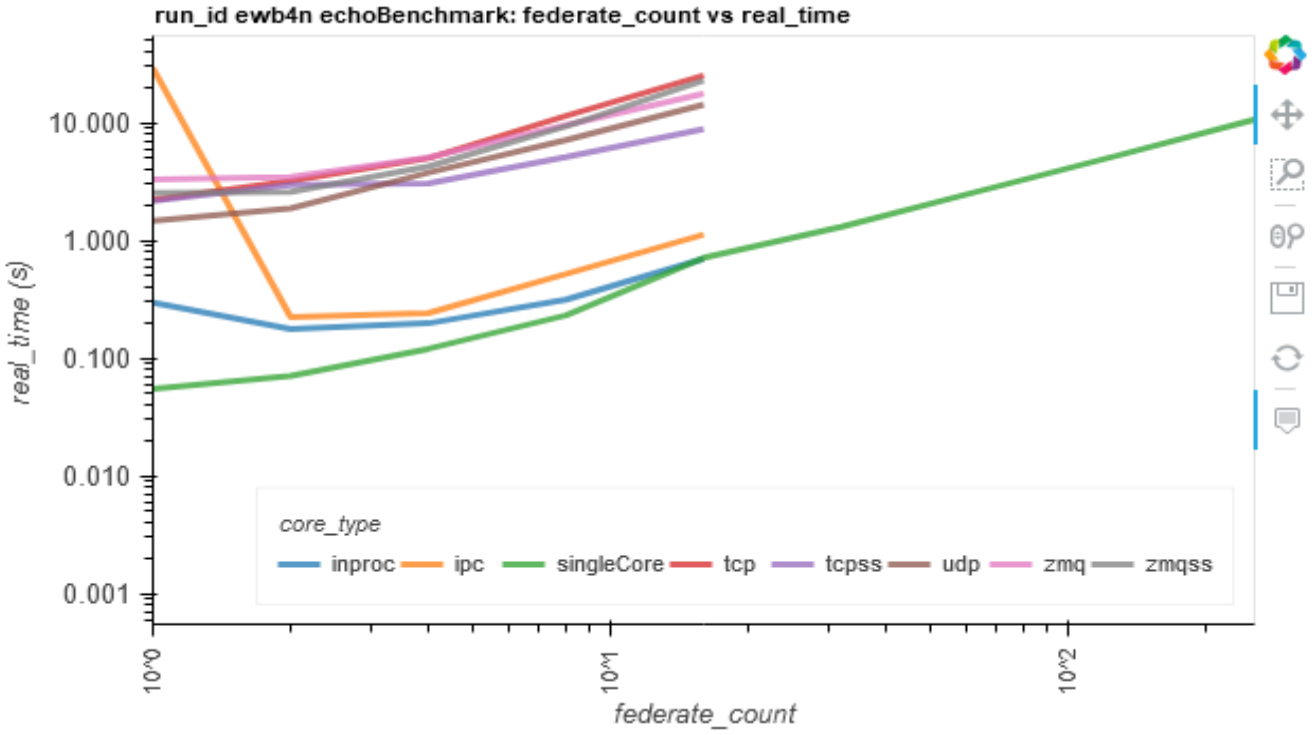
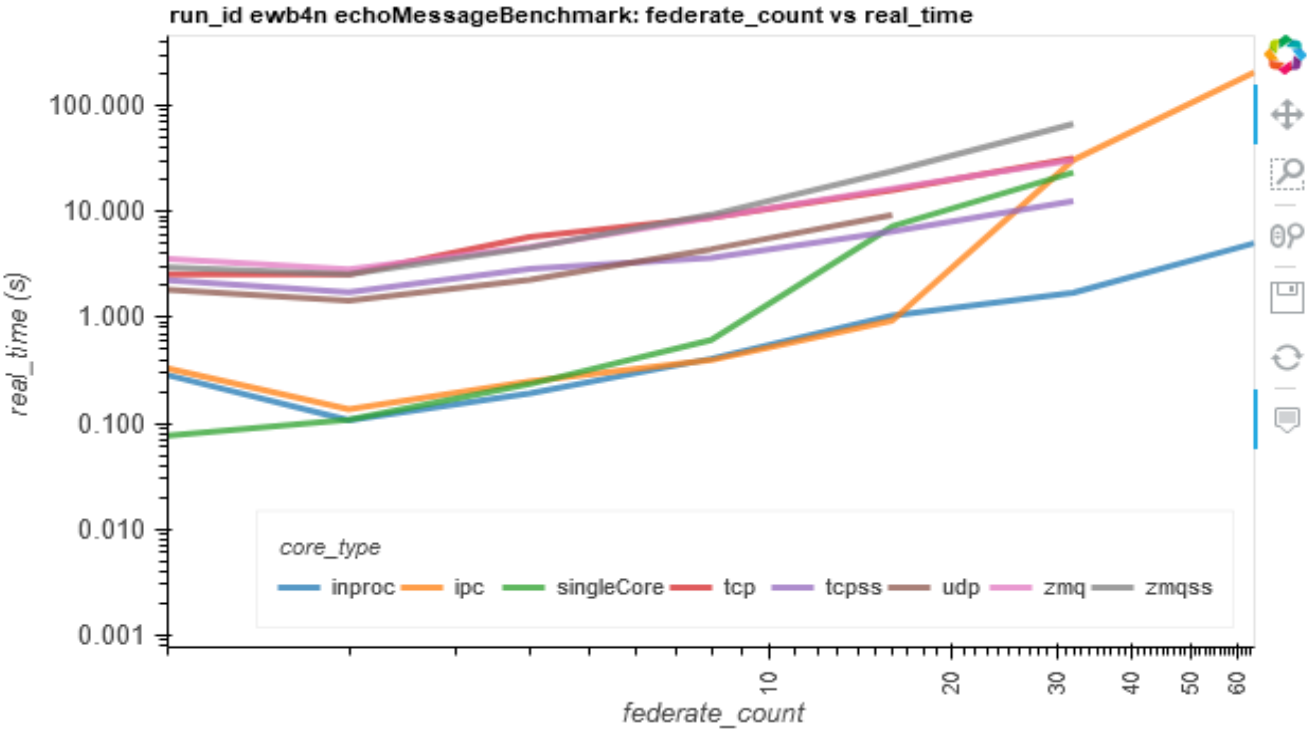
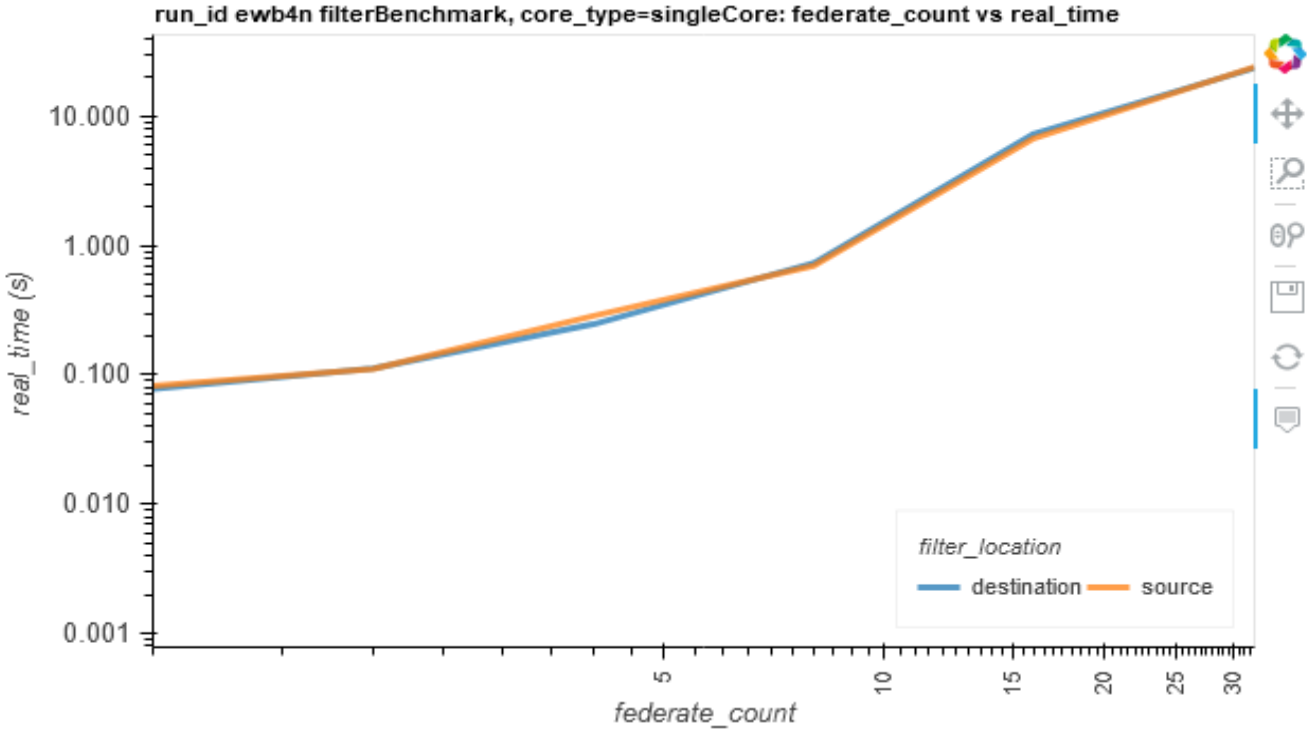
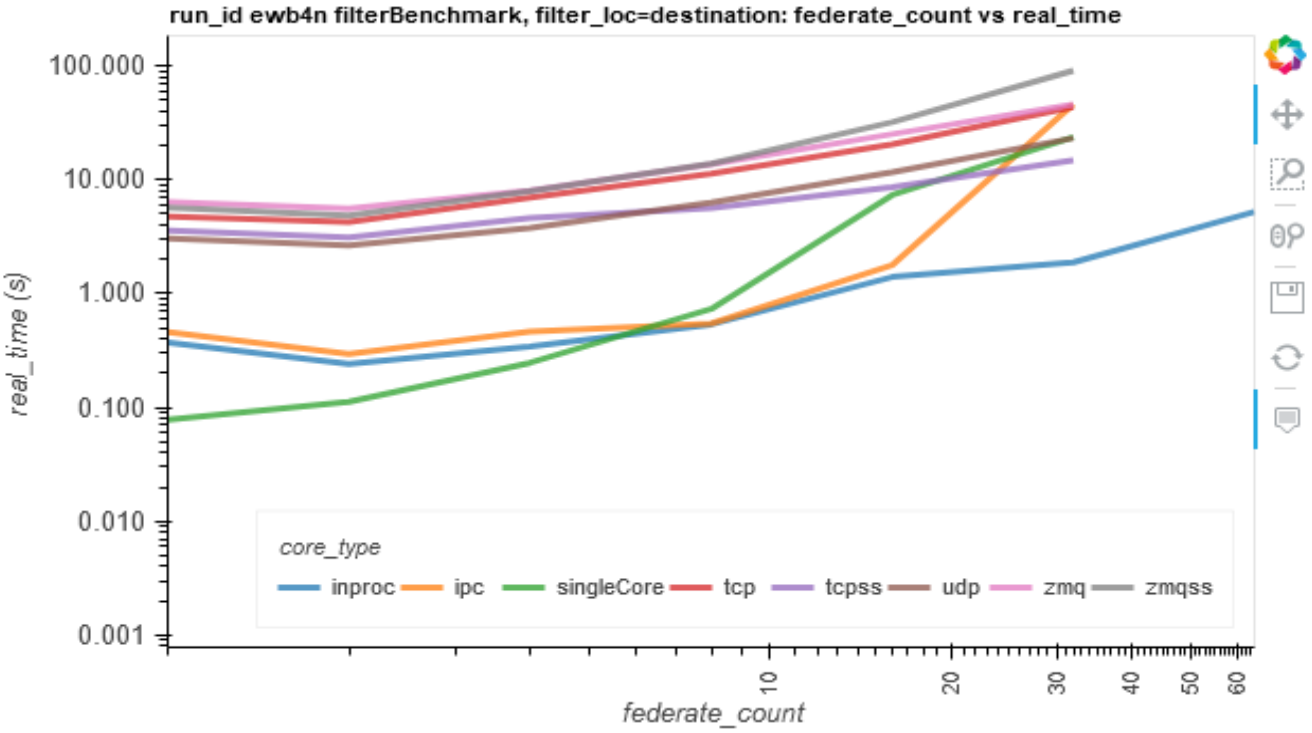
```
run ID:                    ewb4n
Timestamp:                 06/04/20 07:26:19
HELICS version:            2.5.1
generator:                 Visual Studio 16 2019
system:                    Windows
system version:            10.0.17763
platform:                  x64
C++ compiler:              MSVC
C++ compiler version:      19.26.28806.0
compiler string:            /DWIN32 /D_WINDOWS /GR /EHsc /O2 /Ob2 /DNDEBUG /machine:x64 /EHsc;/std:c++14
host name:                 LEAVITT
host processor:            AMD64
CPU core count:            36
processor speed (MHz):     3000
```

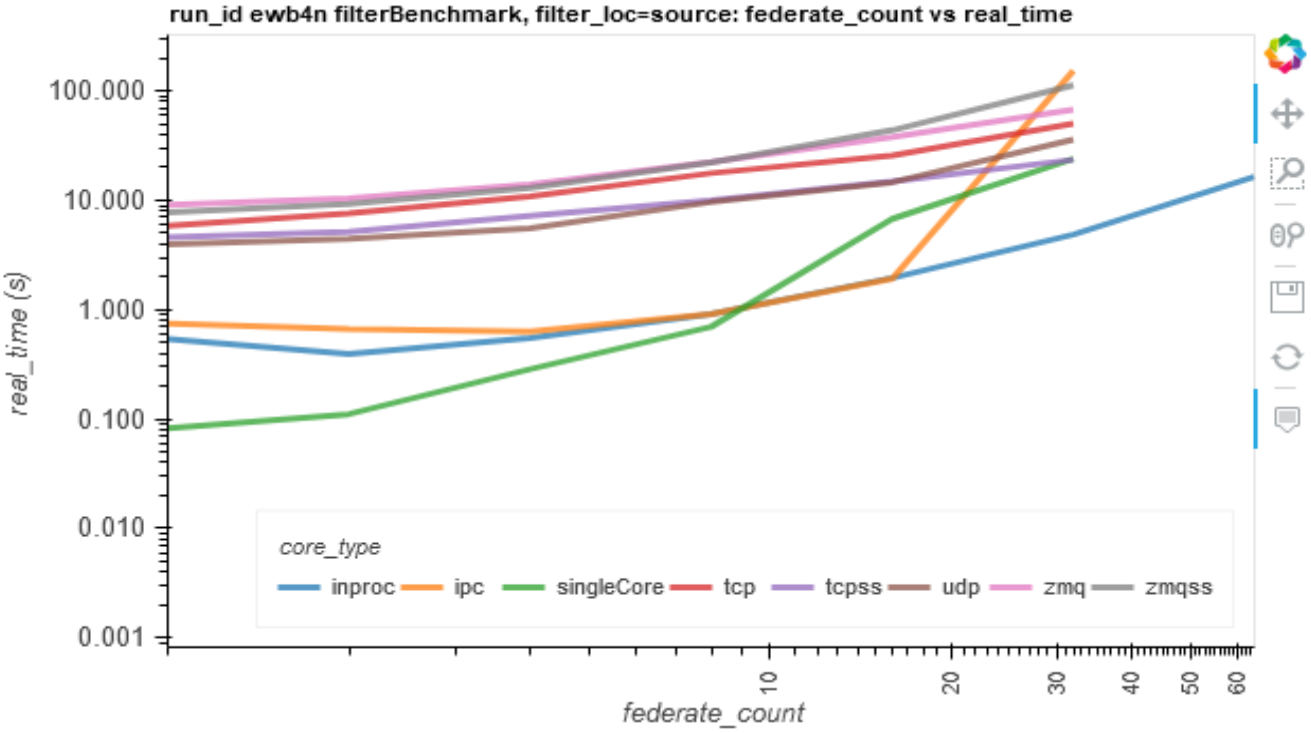


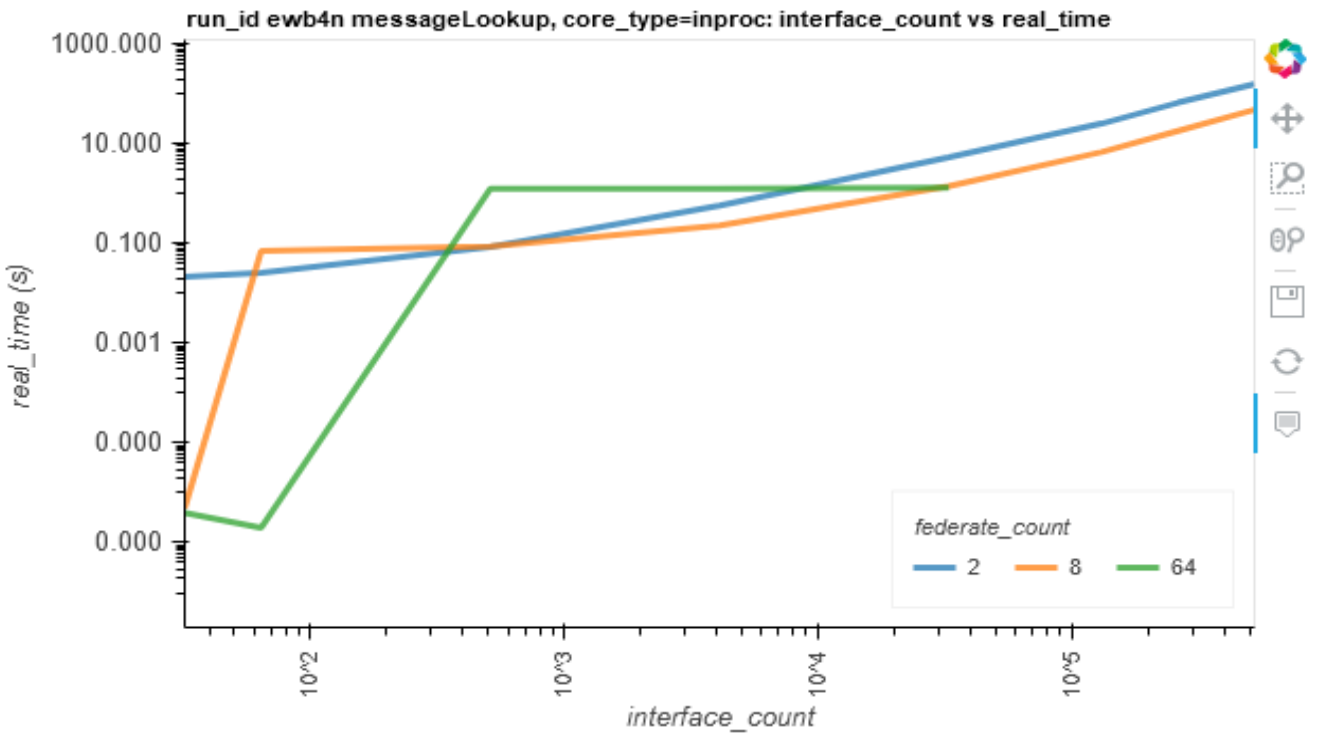


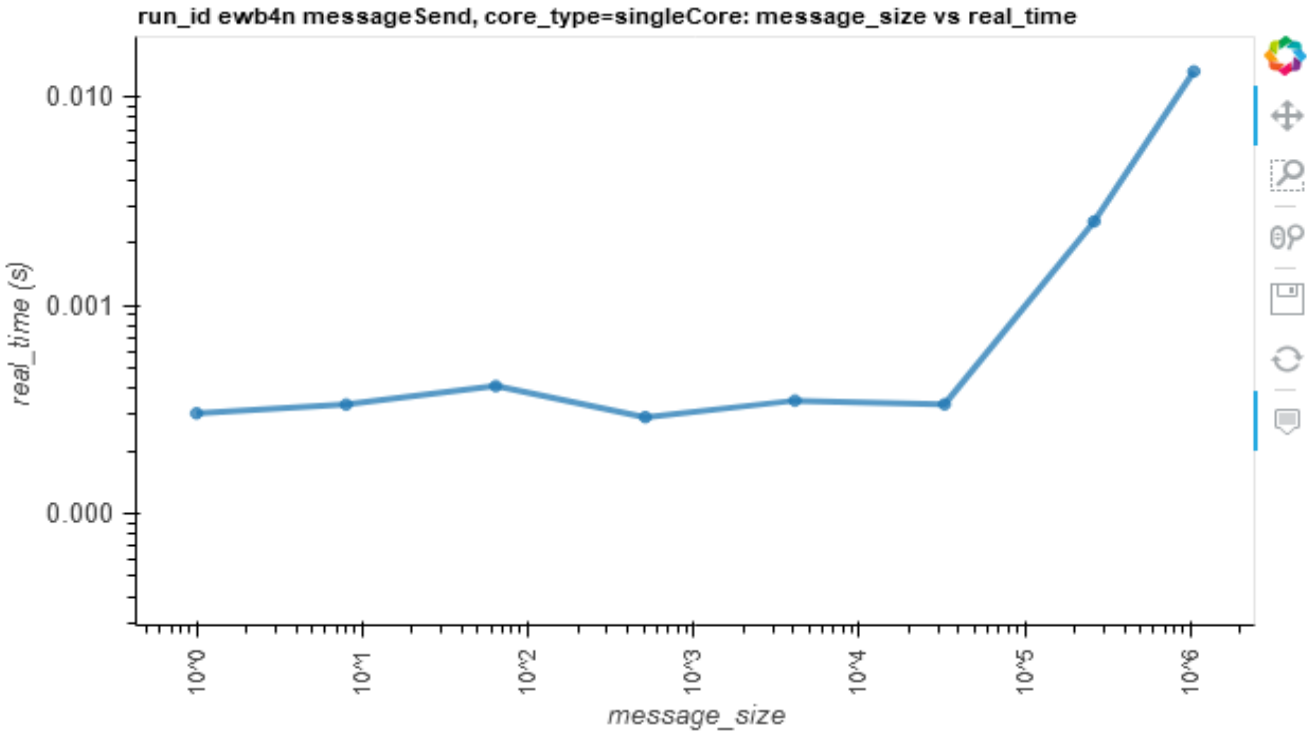

run_id ewb4n echoMessageBenchmark: federate_count vs real_time
real_time (s)
100.000
10.000
1.000
0.100
0.010
0.001
10
20
30
40
50
60
federate_count
core_type
inproc
ipc
singleCore
tcp
tcpss
udp
zmq
zmqss

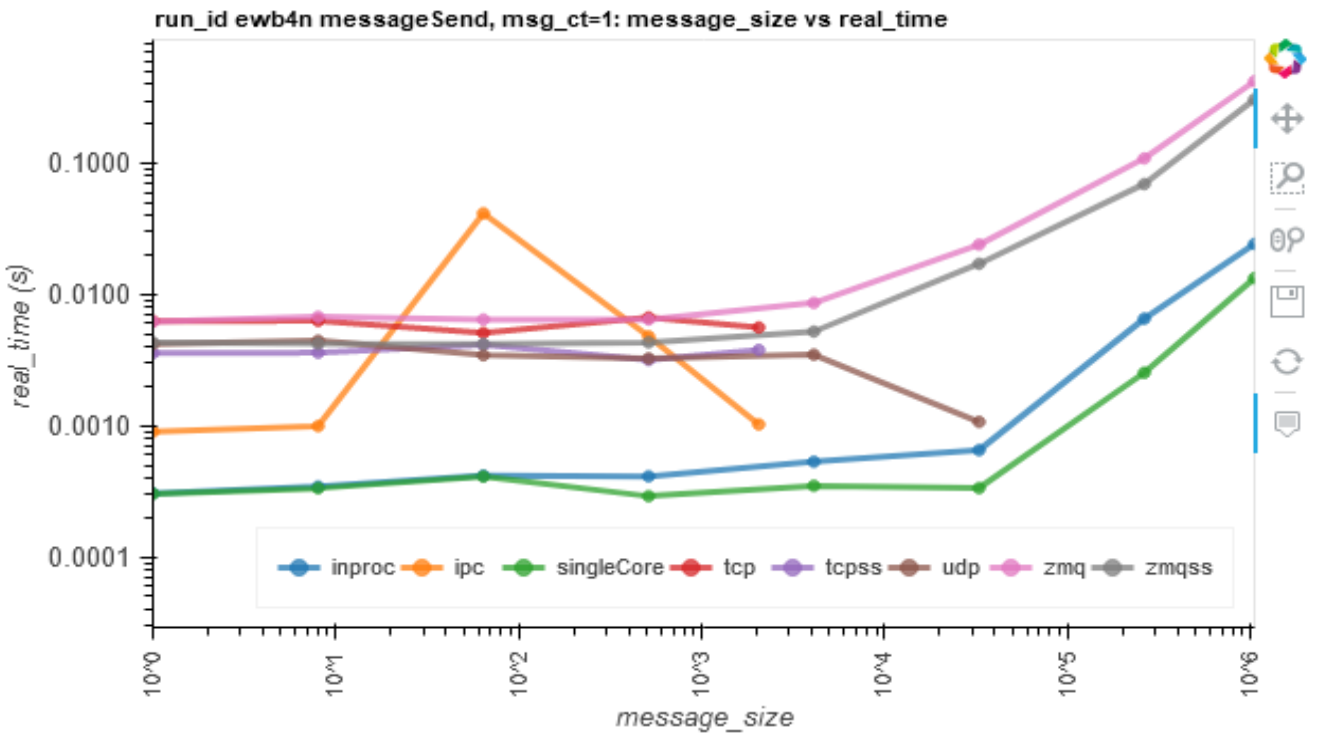

run_id ewb4n filterBenchmark, core_type=singleCore: federate_count vs real_time
real_time (s)
10.000
1.000
0.100
0.010
0.001
5
10
15
20
25
30
federate_count
filter_location
destination
source

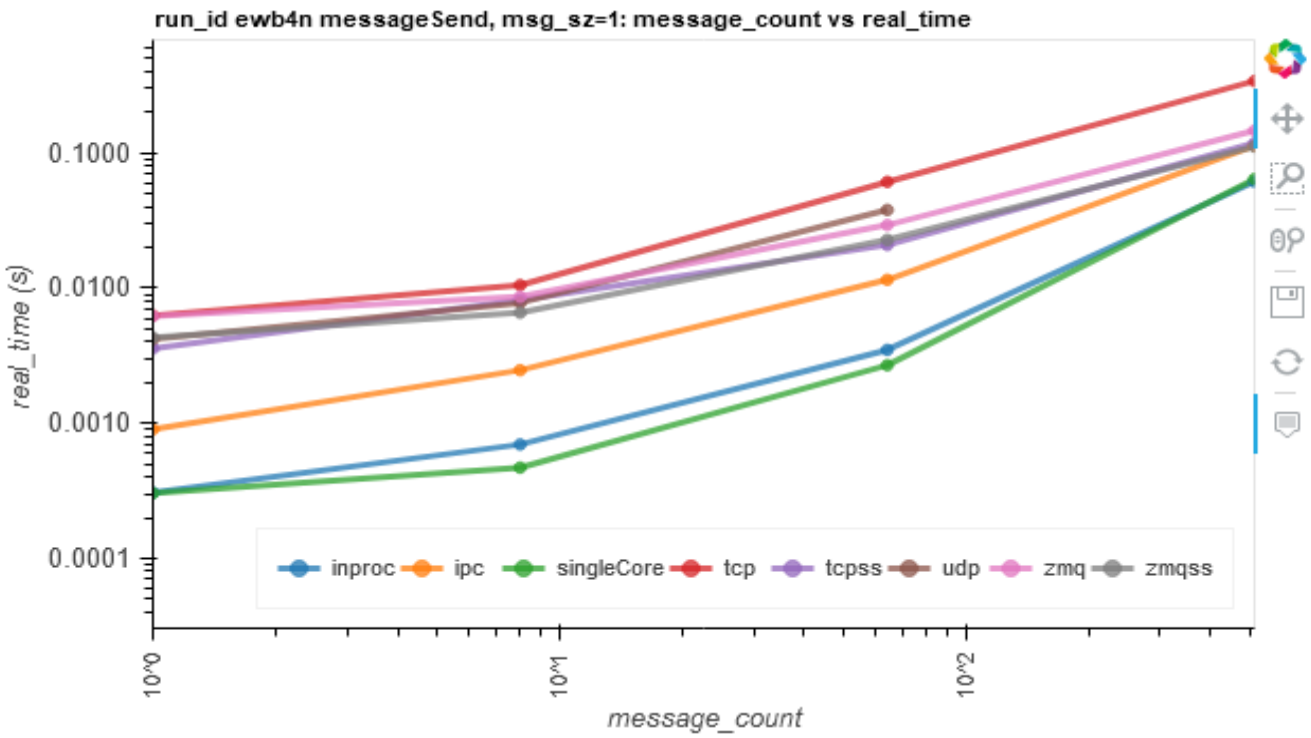

run_id ewb4n filterBenchmark, filter_loc=destination: federate_count vs real_time
100.000
10.000
1.000
0.100
0.010
0.001
real_time (s)
core_type
inproc
ipc
singleCore
tcp
tcpss
udp
zmq
zmqss
10
20
30
40
50
60
federate_count

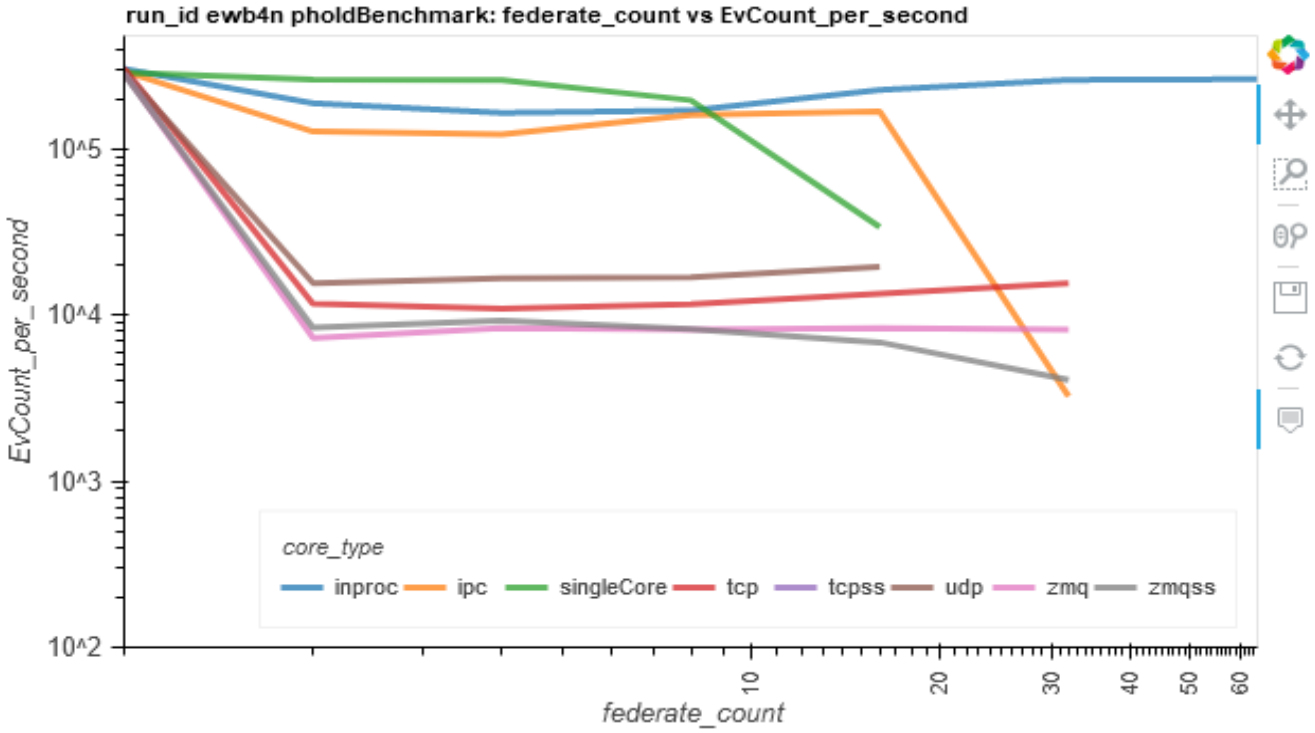

run_id ewb4n filterBenchmark, filter_loc=source: federate_count vs real_time
100.000
10.000
1.000
0.100
0.010
0.001
real_time (s)
core_type
inproc
ipc
singleCore
tcp
tcpss
udp
zmq
zmqss
10
20
30
40
50
60
federate_count

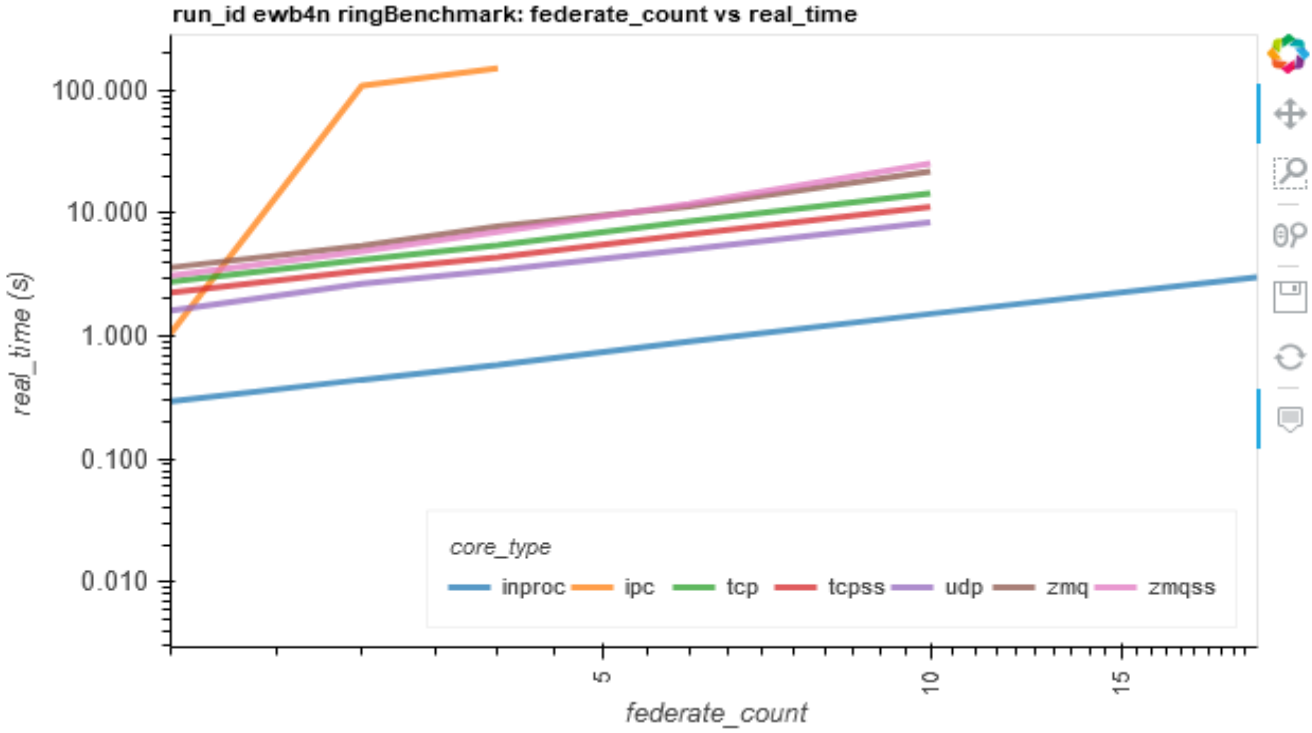

run_id ewb4n messageLookup, core_type=inproc: interface_count vs real_time
1000.000
10.000
0.100
0.001
0.000
0.000
real_time (s)
10^2
10^3
10^4
10^5
interface_count
federate_count
2
8
64

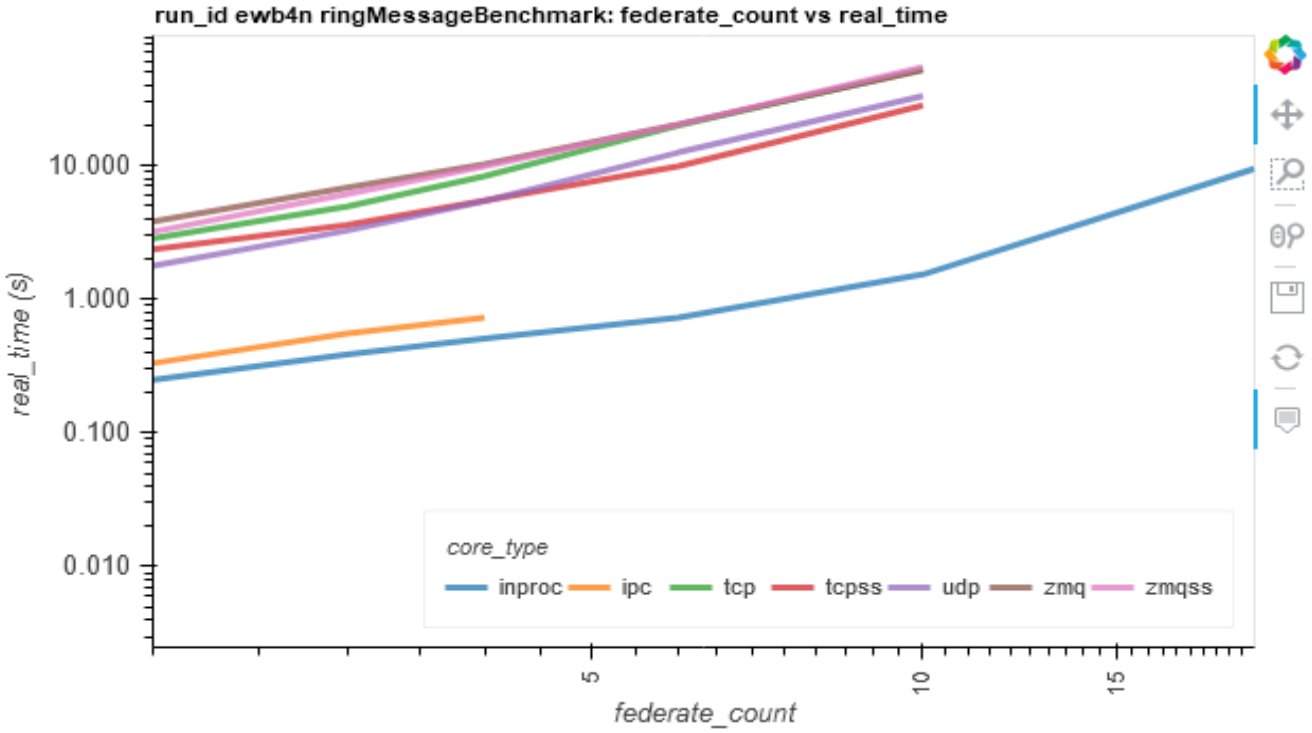

run_id ewb4n messageSend, core_type=singleCore: message_size vs real_time
0.010
0.001
0.000
real_time (s)
10^0
10^1
10^2
10^3
10^4
10^5
10^6
message_size

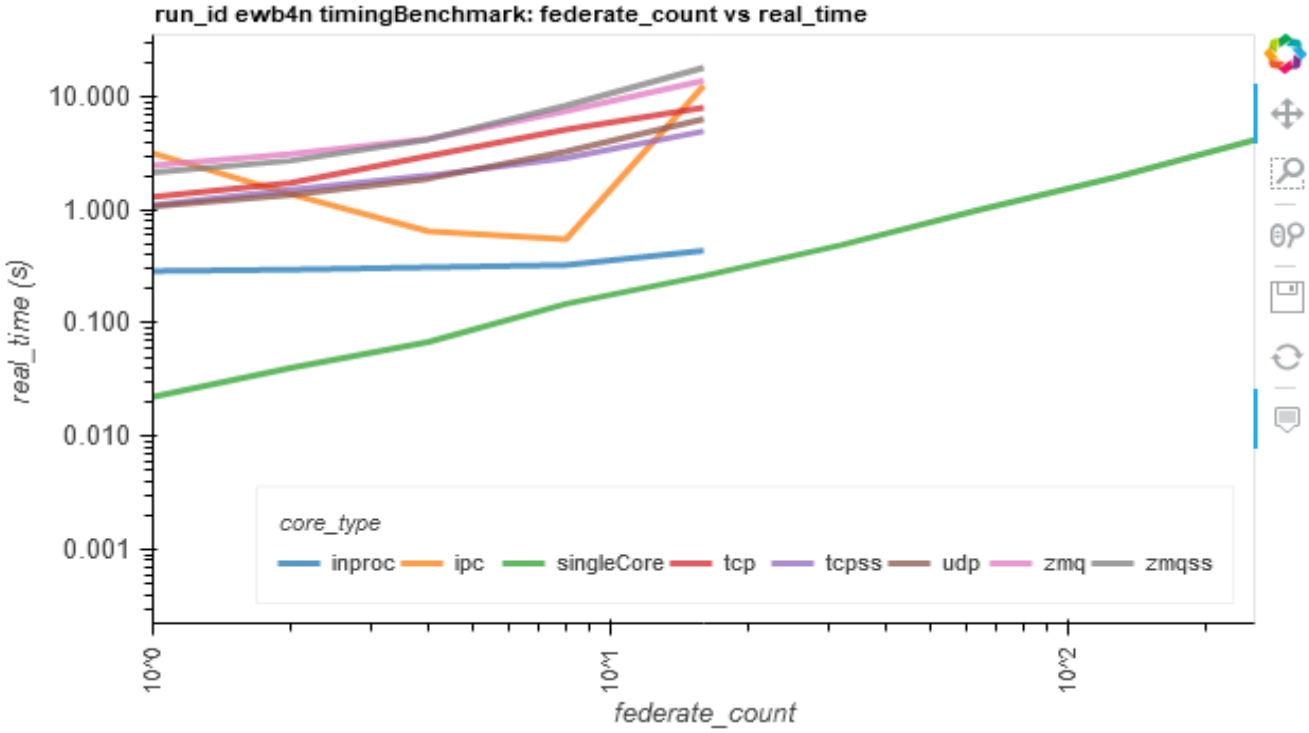

run_id ewb4n messageSend, msg_ct=1: message_size vs real_time
real_time (s)
0.1000
0.0100
0.0010
0.0001
inproc
ipc
singleCore
tcp
tcpss
udp
zmq
zmqss
10^0
10^1
10^2
10^3
10^4
10^5
10^6
message_size


run_id ewb4n messageSend, msg_sz=1: message_count vs real_time
real_time (s)
0.1000
0.0100
0.0010
0.0001
inproc
ipc
singleCore
tcp
tcpss
udp
zmq
zmqss
10^0
10^1
10^2
message_count


run_id ewb4n pholdBenchmark: federate_count vs EvCount_per_second
EvCount_per_second
10^5
10^4
10^3
10^2
federate_count
10
20
30
40
50
60
core_type
inproc
ipc
singleCore
tcp
tcpss
udp
zmq
zmqss


run_id ewb4n ringBenchmark: federate_count vs real_time
real_time (s)
100.000
10.000
1.000
0.100
0.010
federate_count
5
10
15
core_type
inproc
ipc
tcp
tcpss
udp
zmq
zmqss


run_id ewb4n ringMessageBenchmark: federate_count vs real_time
real_time (s)
10.000
1.000
0.100
0.010
5
10
15
federate_count
core_type
inproc
ipc
tcp
tcpss
udp
zmq
zmqss


run_id ewb4n timingBenchmark: federate_count vs real_time
real_time (s)
10.000
1.000
0.100
0.010
0.001
10^0
10^1
10^2
federate_count
core_type
inproc
ipc
singleCore
tcp
tcpss
udp
zmq
zmqss