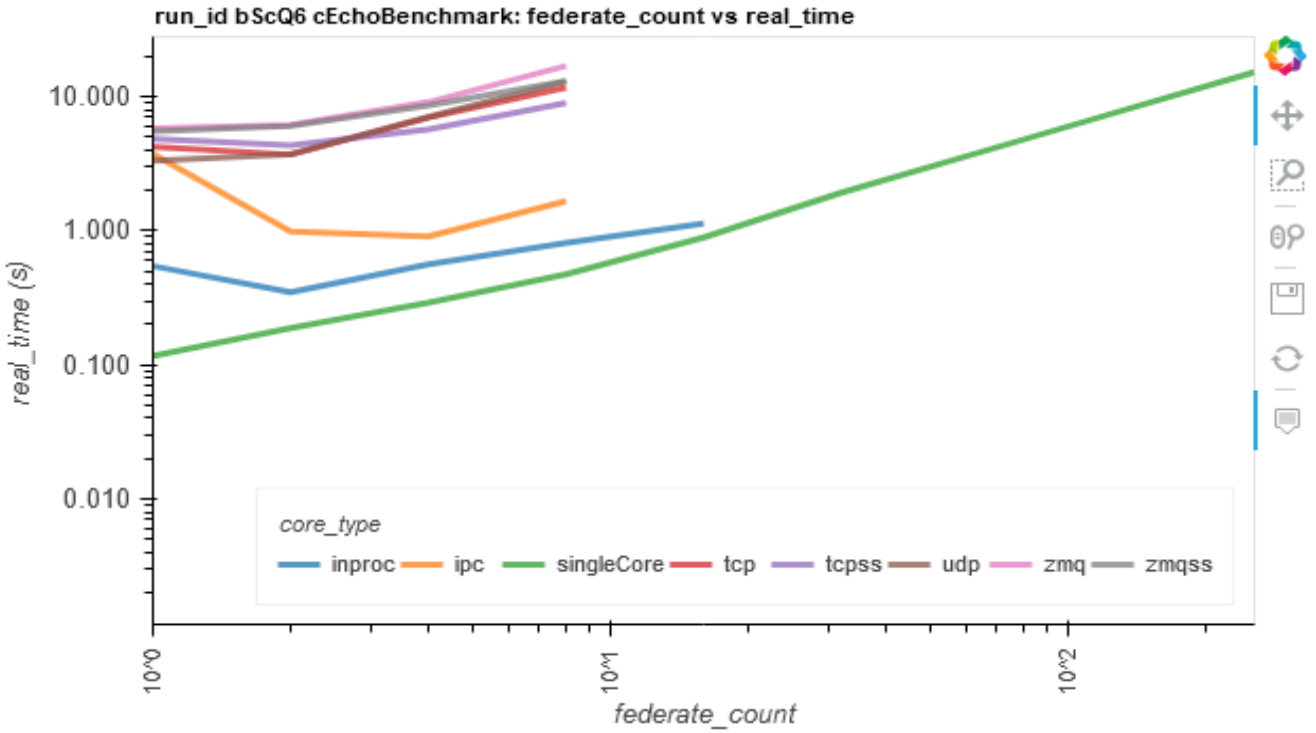
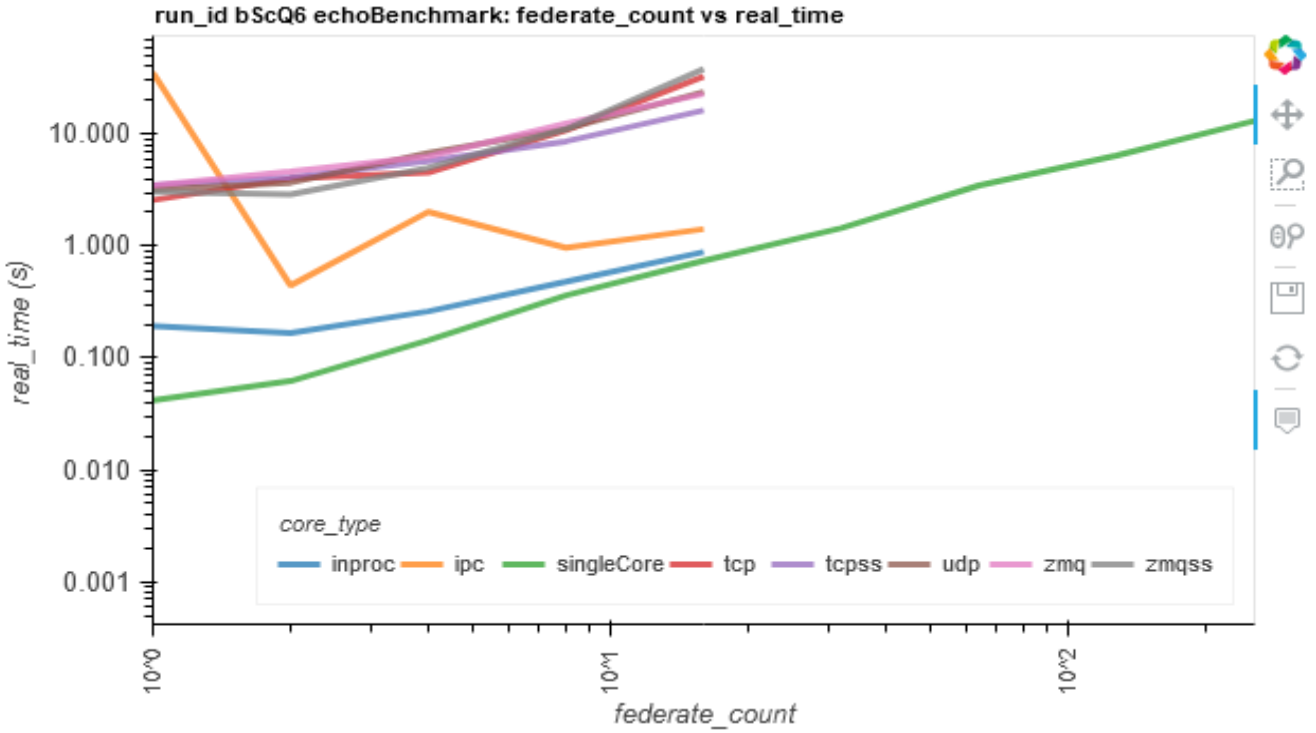
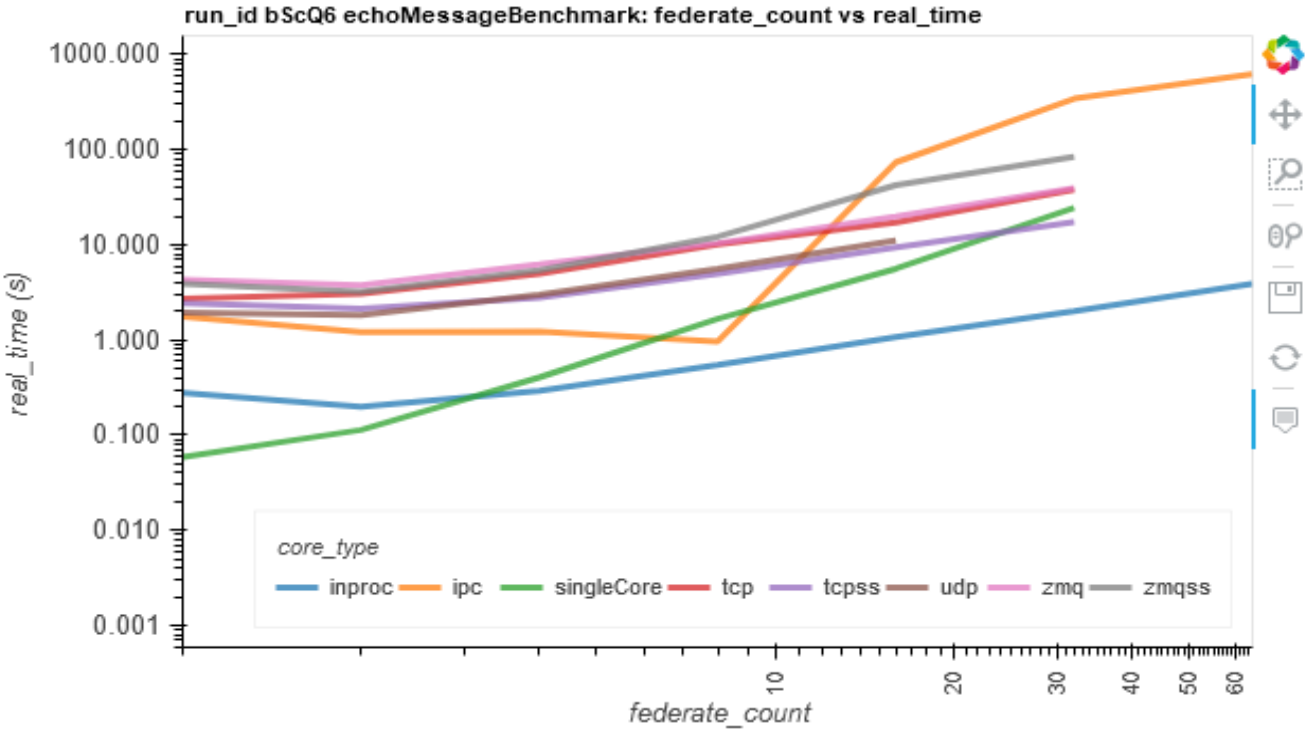
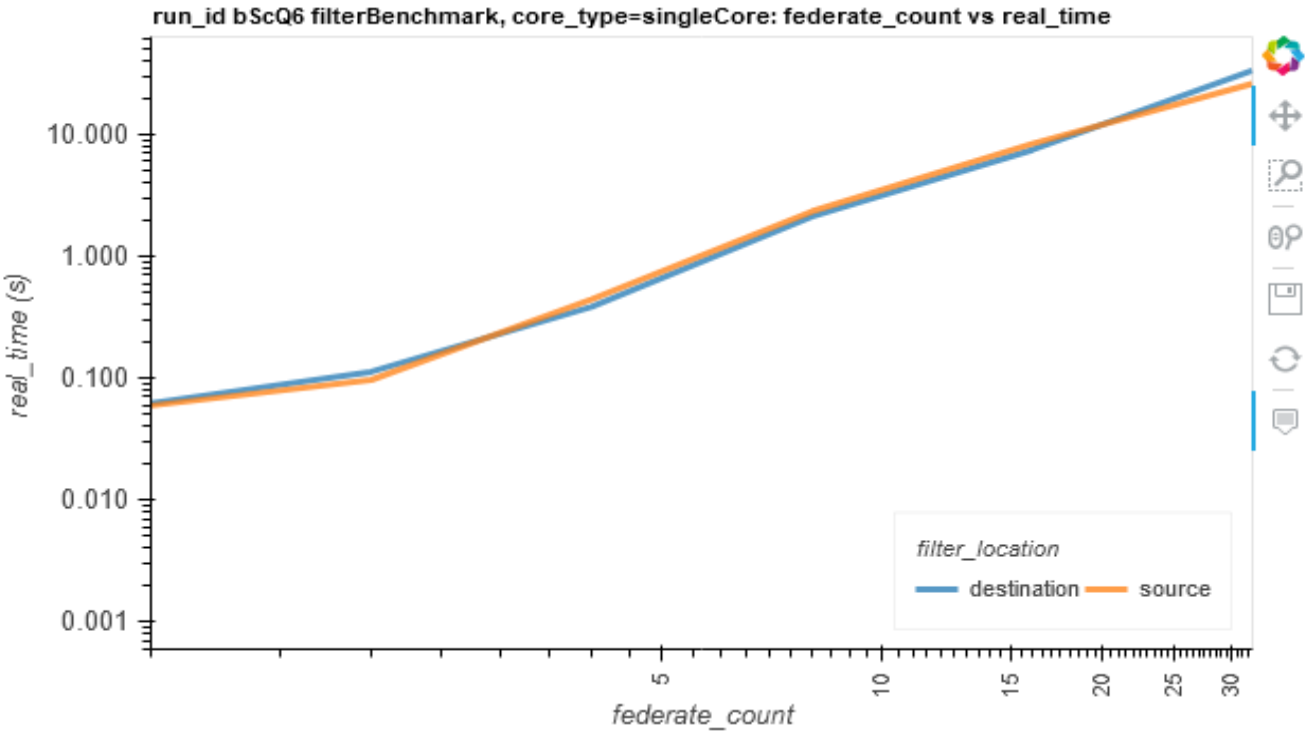
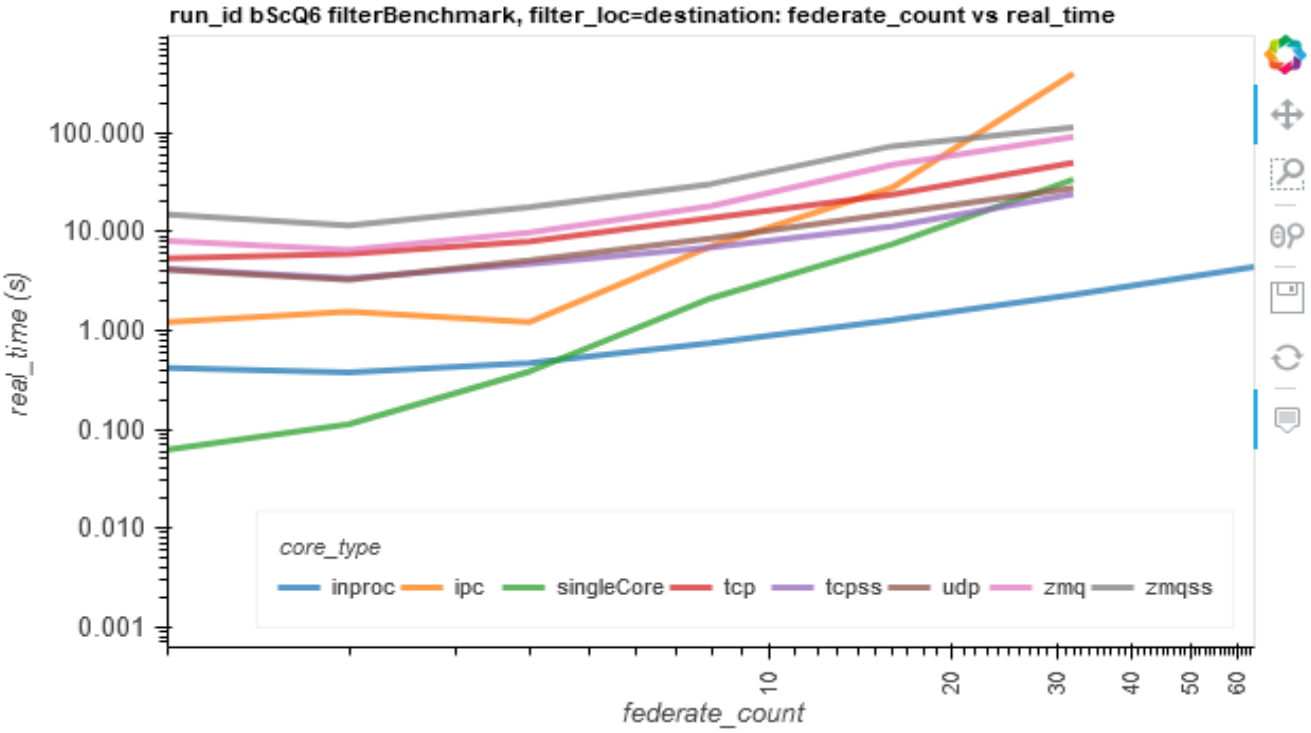
```
run ID:                   bScQ6
Timestamp:                01/09/20 20:48:59
HELICS version:           2.3.1
generator:                Visual Studio 15 2017
system:                   Windows
system version:           10.0.18362
platform:                 x64
C++ compiler:             MSVC
C++ compiler version:     19.16.27026.1
compiler string:           /DWIN32 /D_WINDOWS /W3 /GR /EHsc /MD /O2 /Ob2 /DNDEBUG /machine:x64 /EHsc;/std:c++14
host name:                SIRIUS
host processor:           AMD64
CPU core count:           32
processor speed (MHz):    3394
```

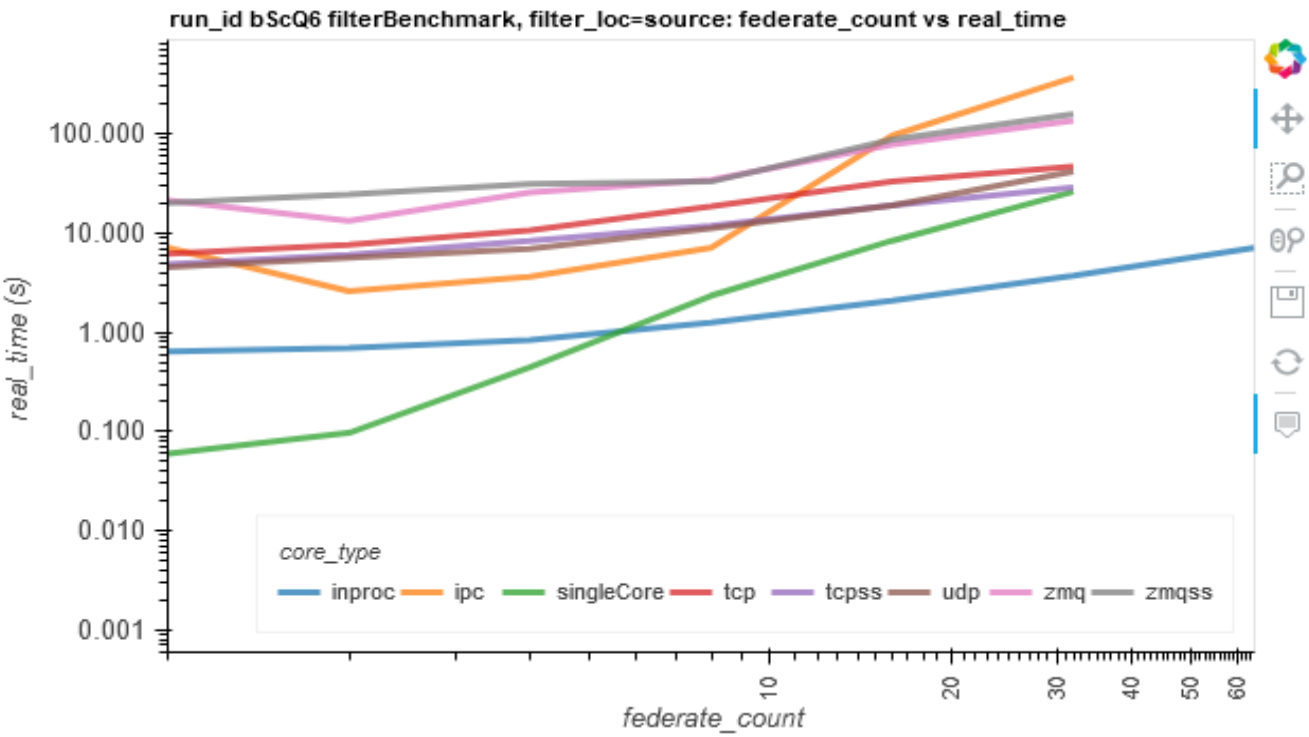


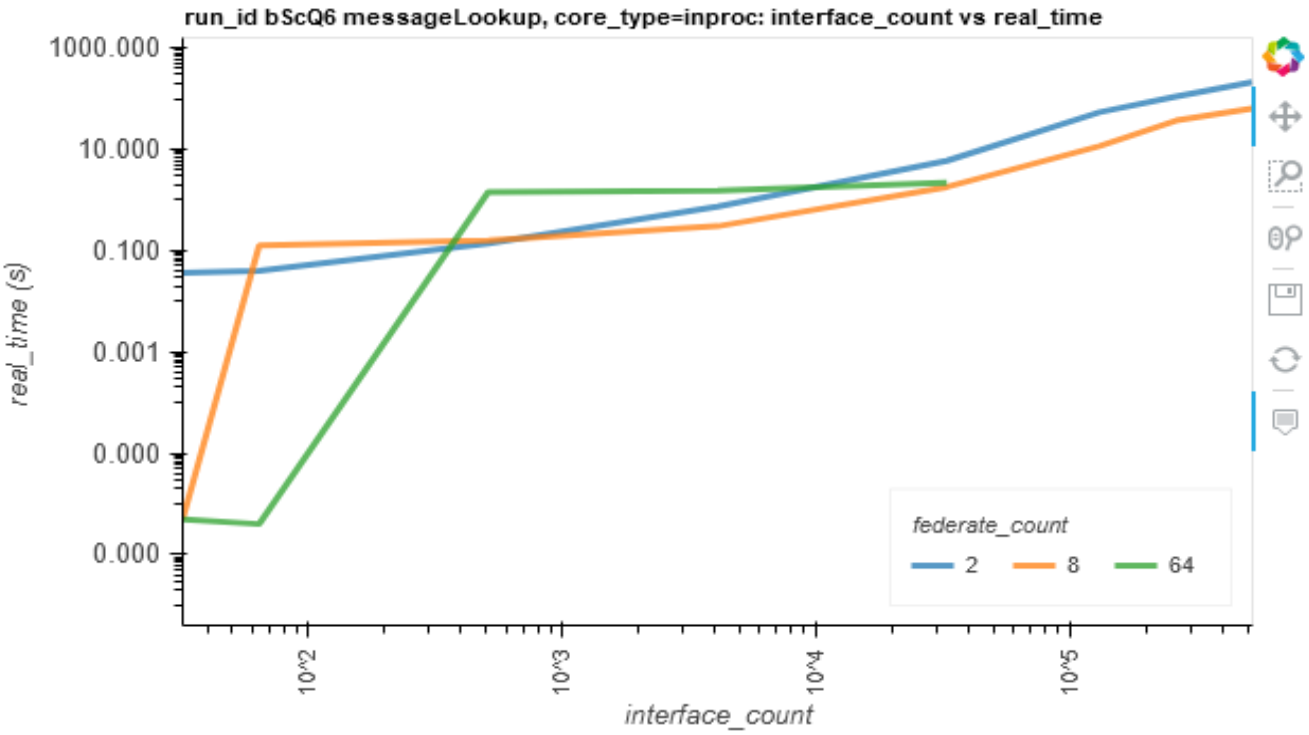


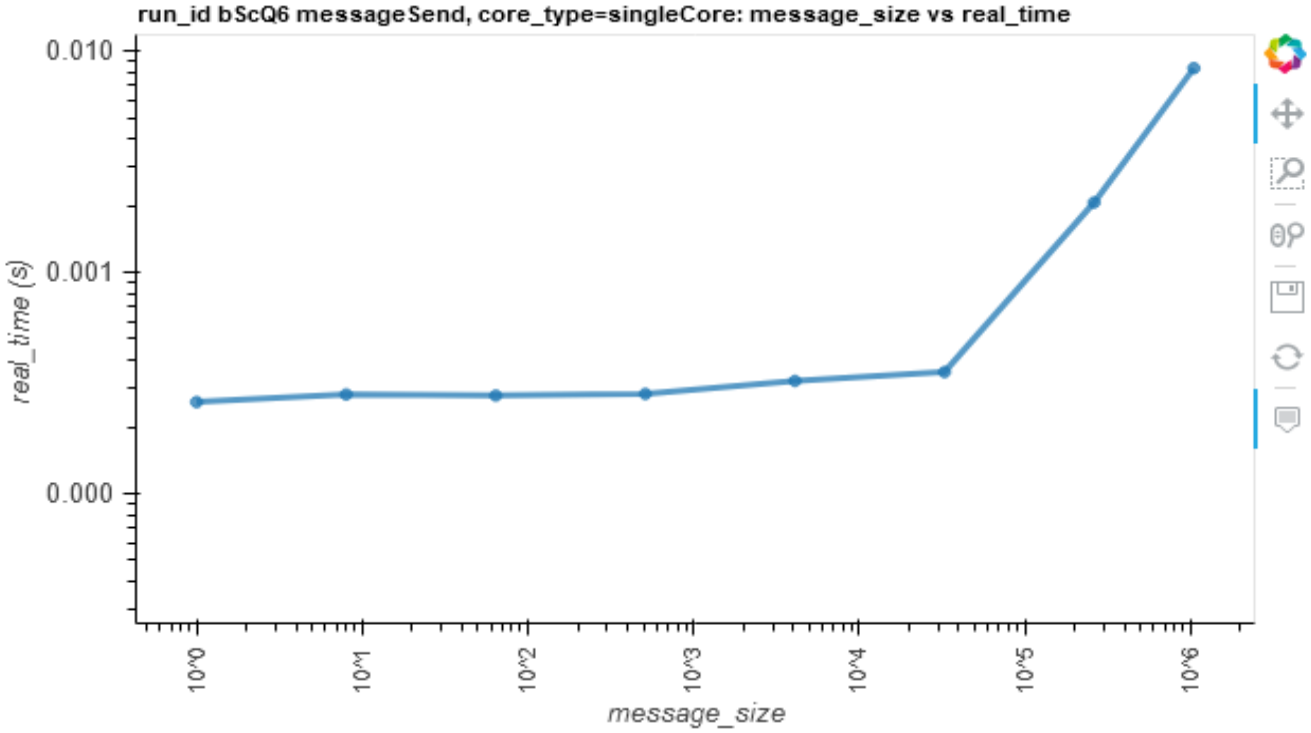

run_id bScQ6 echoMessageBenchmark: federate_count vs real_time
real_time (s)
1000.000
100.000
10.000
1.000
0.100
0.010
0.001
core_type
inproc
ipc
singleCore
tcp
tcpss
udp
zmq
zmqss
10
20
30
40
50
60
federate_count

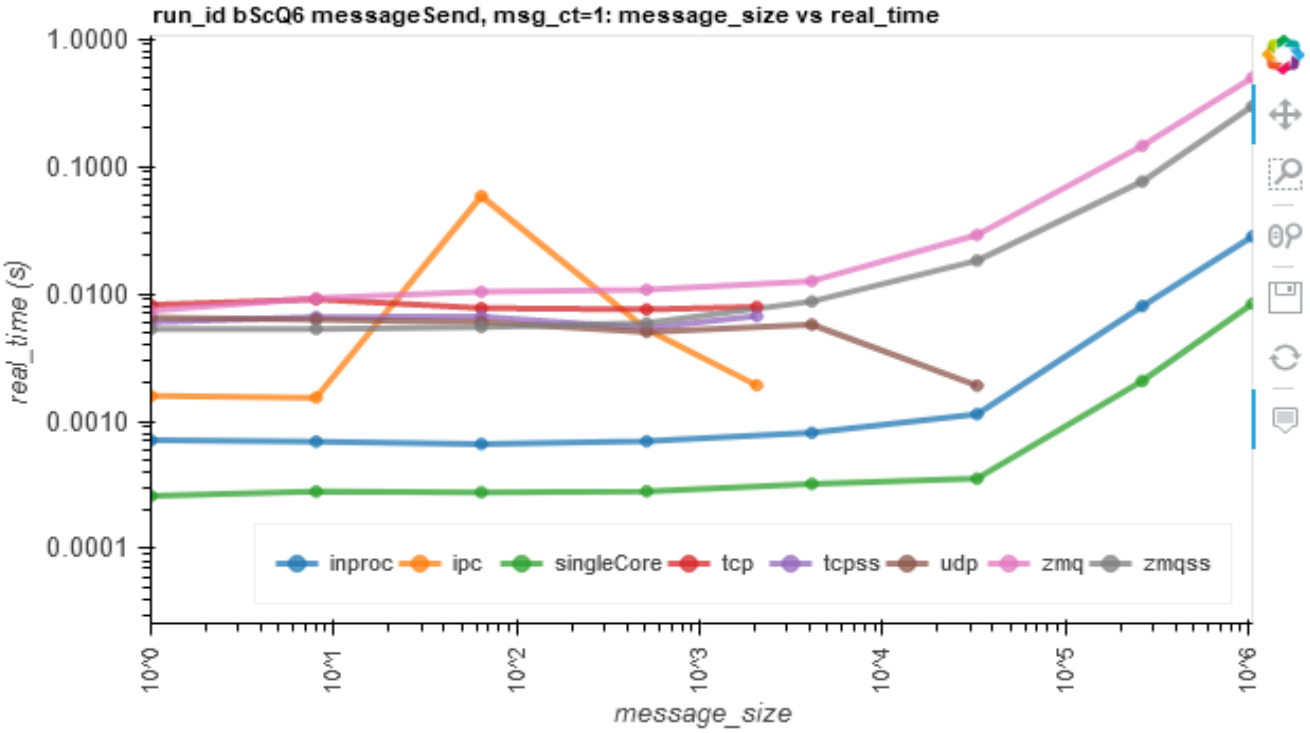

run_id bScQ6 filterBenchmark, core_type=singleCore: federate_count vs real_time
real_time (s)
10.000
1.000
0.100
0.010
0.001
filter_location
destination
source
5
10
15
20
25
30
federate_count

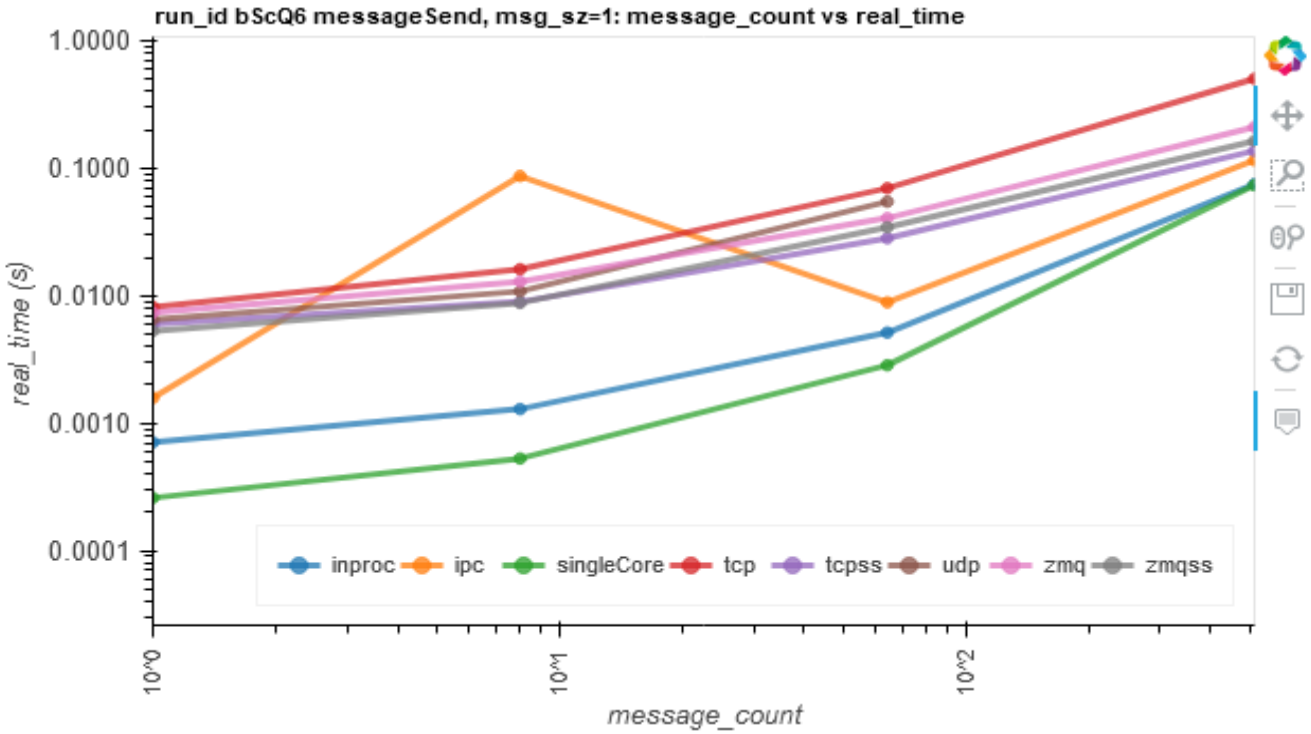

run_id bScQ6 filterBenchmark, filter_loc=destination: federate_count vs real_time
real_time (s)
100.000
10.000
1.000
0.100
0.010
0.001
10
20
30
40
50
60
federate_count
core_type
inproc
ipc
singleCore
tcp
tcpss
udp
zmq
zmqss

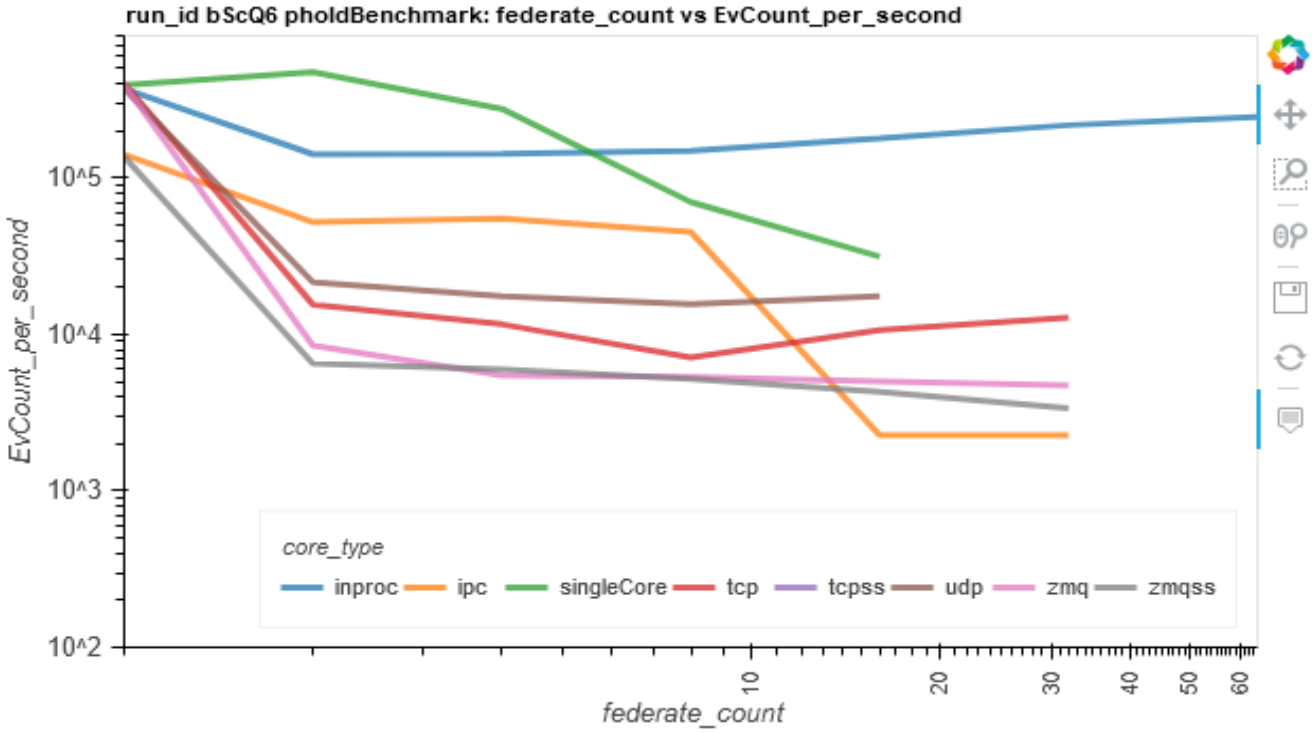

run_id bScQ6 filterBenchmark, filter_loc=source: federate_count vs real_time
real_time (s)
100.000
10.000
1.000
0.100
0.010
0.001
10
20
30
40
50
60
federate_count
core_type
inproc
ipc
singleCore
tcp
tcpss
udp
zmq
zmqss

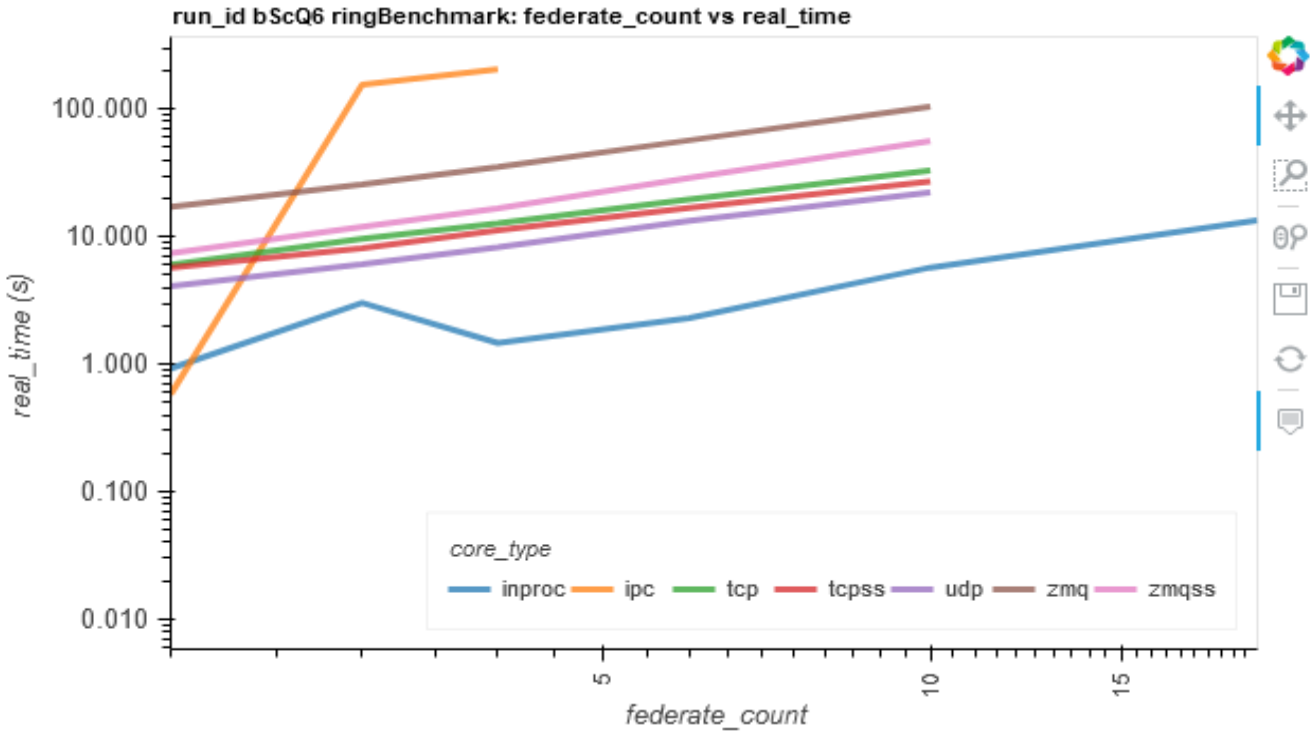

run_id bScQ6 messageLookup, core_type=inproc: interface_count vs real_time
1000.000
10.000
0.100
0.001
0.000
0.000
real_time (s)
federate_count
2
8
64
10^2
10^3
10^4
10^5
interface_count

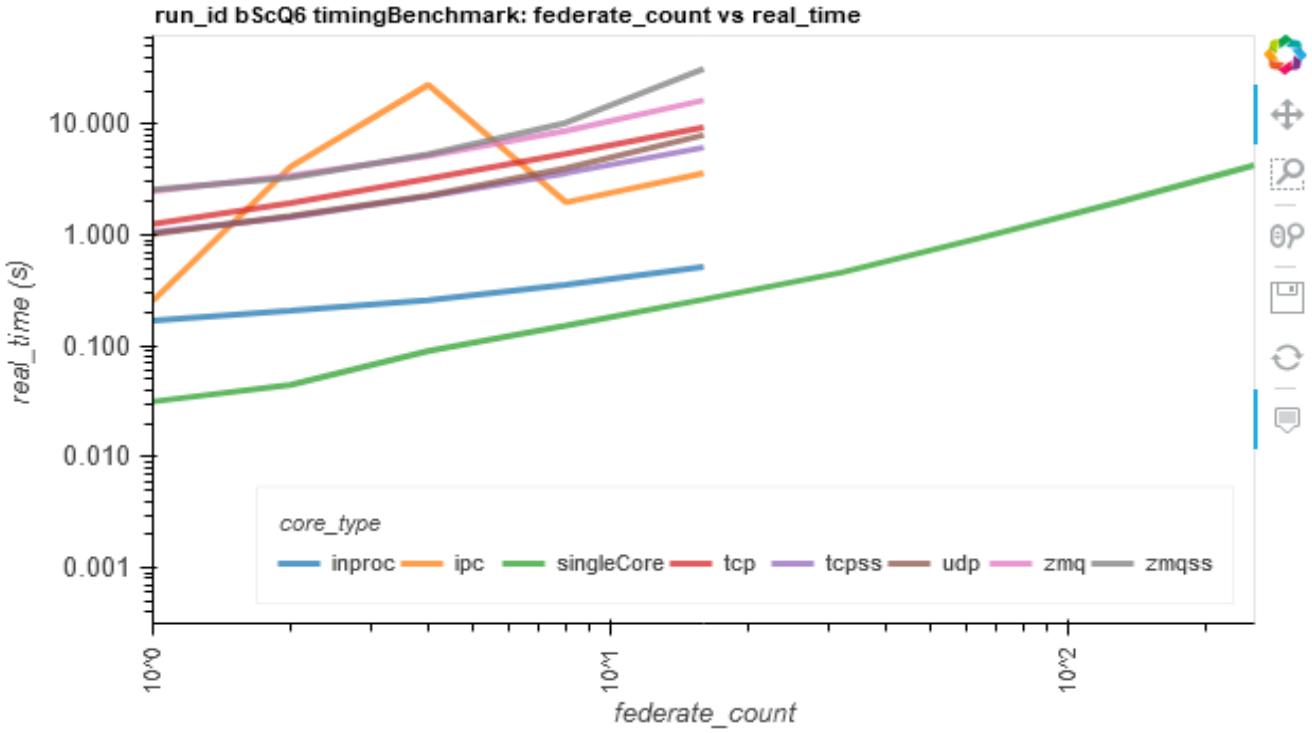

run_id bScQ6 messageSend, core_type=singleCore: message_size vs real_time
0.010
0.001
0.000
real_time (s)
10^0
10^1
10^2
10^3
10^4
10^5
10^6
message_size


run_id bScQ6 messageSend, msg_ct=1: message_size vs real_time
1.0000
0.1000
0.0100
0.0010
0.0001
real_time (s)
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 bScQ6 messageSend, msg_sz=1: message_count vs real_time
1.0000
0.1000
0.0100
0.0010
0.0001
real_time (s)
inproc
ipc
singleCore
tcp
tcpss
udp
zmq
zmqss
10^0
10^1
10^2
message_count


run_id bScQ6 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 bScQ6 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 bScQ6 timingBenchmark: federate_count vs real_time
10.000
1.000
0.100
0.010
0.001
real_time (s)
core_type
inproc
ipc
singleCore
tcp
tcpss
udp
zmq
zmqss
10^0
10^1
10^2
federate_count