**USSD Performance Testing 6/29/2017**

Goal

* 1. Run an initial USSD test with 250 users, starting with 1 thread then moving all the way up to 10 or more.
  2. Capture data in Metrics to get initial statistics of what is happening
  3. Then Determine what metrics timers we need to report and what performance data captured into the reports. The key is to find the metrics timers that provide the key timings so both ModusBox and the other gates team contributors can get insightful data to help all of us identify performance data.

Test configuration:

* Initial test: JMeter will be run locally on a Mac using data file of 250 accounts
  + This is a light weight test and only to gather some basic statistics. So running locally will not have any impact on the goal.
* Will use the SendMoney jmeter test case to send money
  + This will send money from an account on dfsp1 -> dfsp2, then reverse the direction and send the money from dfsp2 -> dfps1 user.
* Will start with 1 thread and then 2, 4, and 10 worker jmeter threads
* Will point the JMeter test to hit the Performance servers
  + ec2-35-166-180-190.us-west-2.compute.amazonaws.com (dfsp1)
  + ec2-54-69-54-244.us-west-2.compute.amazonaws.com (dfsp2)

Test1: Single thread

Too slow. To test 250 users in both directions (500 transactions). At 15 tpm (per minute), this would take 30 minutes.

Test 2: 2 Jmeter worker threads.

Time test started: 4:16:44pm (time based on Metrics UI)

Time test ended:

Results:

Time:

# of Errors:

Statistics: