Latency Test Program

The purpose of this program is to determine the 95th percentile latency in your network. It will ping all host you specify, determine the 95th percentile, and then add a ping to the closest google node to your network to determine total latency. If the total 95th percentile latency is under 100ms then your network is considered Low latency. Otherwise, it is high latency. Here is the specification for this in the BDC filing:

"The offered service is low latency, defined as
having round-trip latency of less than or equalto 100 milliseconds based on the 95th percentile of measurements.
Value must be one of the following codes:
0 - False
1 – True"

Running the program:

Unzip the contents of the file to a location of your choosing on a linux machine inside your network. This machine must have access to all the subnets you wish to consider (i.e. the management ranges of your CPE devices). If you can't reach all subnets from a single location, then you will need to run this in all the locations necessary to get the results.

After unzipping, cd to the latency_test directory. Make the latency_test file executable by typing:
sudo chmod +x latency_test

Then run the program by typing the following:

./latency_test yourispid subnet1,subnet2,...subnetN

Where:
yourispid - the ispid assigned to you in the Regulatory Solutions App.
subnetN - the range you wish to query (i.e. 10.1.1.1/24)

Make sure that if you have more than one subnet you are querying, that you separate them with a comma with no spaces.
Example: if your ispid is 1, and your ranges are 10.1.1.0/24 and 192.168.1.0/24 your command will look like this:

./latency_test 1 10.1.1.0/24,192.168.1.0/24

That's it. It will give you a results file with the name:
ping_res_yourispid.txt
This file will also be emailed to Regulatory Solutions for inclusion in the filing.