

LHCONE P2P experiment plan discussion

- We have heard about the NSI implementations needed for basic circuit setup
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- Now need to discuss some of the first steps in the experiment
- The idea has been to start with a small collection of NSPs, make sure that functional multi-domain circuits can be established between these, and then add to the mix the several sites that expressed interest

seems to me that circuit setup tests involve several steps:

1. Just set up circuits between NSPs
 2. Use the circuits to connect a test application
 3. Build a test harness that automatically sets up circuits and then stress tests them with traffic load that corresponds to the set up requested b/w
- Step 1 can be done manually, but should test all combinations of domains
 - Step 2 requires an application. It has been suggested that perfSONAR PS systems, appropriately configured can provide test app

- The test harness should periodically set up circuits, connect them to apps, and then stress test. The result should be:

I) a record of the set up

II) a record of the traffic, demonstrating that the requested capability (e.g. bandwidth) was provided throughout the test.

III) repeat I) and II) on a regular basis.

IV) add in the sites and do the same, but with the source and destination being within the site