

perfSONAR Host Configuration

April 1st 2016

1. Introduction

These instructions will prepare the hosts for testing against each other. The instructions will install some software that is used to read a configuration file. Note that these instructions assume CentOS 6, or perfSONAR Toolkit version greater than or equal to 3.5.1, and may not work with older versions.

2. Download & Install Software

Run the following steps to get the necessary software (note: your system may have some of these steps already, but repeating them will cause no harm):

```
sudo rpm -hUv https://dl.fedoraproject.org/pub/epel/6/x86_64/epel-release-6-8.noarch.rpm
sudo rpm -hUv http://software.internet2.edu/rpms/el6/x86_64/main/RPMS/Internet2-repo-0.6-1.noarch.rpm
yum clean all
yum install perfsonar-core
```

3. Configure Software

Edit (using 'sudo' if necessary) `/etc/perfsonar/meshconfig-agent.conf` to add the following lines

```
<mesh>
  configuration_url      http://HOST/MESH.json
</mesh>
```

4. Regenerate Configuration

After this step, run a script to regenerate the measurement configuration file you changed above:

```
sudo /usr/lib/perfsonar/bin/generate_configuration
```

5. Reboot Machine

```
sudo reboot
```

6. Check Dashboard

After 1-2 days, check the dashboard to see if the hosts are participating in tests. If you see all orange, the configuration may not be complete, or there could be a related issue. If the color is green, red, or yellow, tests are working.