



perfSONAR Hands-on

Mesh measurements

ASTRON perfSONAR training

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What you will learn

- Basic structure of pSConfig template in the lab central server
 - Building blocks
 - Mesh types
- Joining the predefined mesh with latency and traceroute measurements
- Troubleshooting logs

Mesh configuration

1. Build a JSON template (in central server)
 1. Let's review it
2. Take the generated template and publish it to the web in the central server
 1. Already pre-published
3. Configure your host agent to read your published template
 1. Run `psconfig pscheduler-stats`
 - Will follow more on a next slide
 2. Run the following command to point the pscheduler-agent at the template:

`psconfig remote add https://HOST/psconfig/astron-latency-mesh.json`



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Reviewing logs

- But before...
 - Run `psconfig pscheduler-stats`
 - When did my agent last run?
 - What templates is it using?
- key=value
- The agent log: `/var/log/perfsonar/psconfig-pscheduler-agent.log`
 - Tracks basic information about agent activity and any errors encountered
 - Useful as the first log to review when debugging as it provides a quick summary of the agent's actions



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Reviewing logs

- The task log:

- `/var/log/perfsonar/psconfig-pscheduler-agent-tasks.log`
- Tracks the pScheduler tasks the agent manages
- Useful if you need to look at how pSConfig is defining tasks it gives (or tries to give) to pScheduler

- The transaction log:

- `/var/log/perfsonar/psconfig-pscheduler-agent-transactions.log`
- Logs each individual interaction with pScheduler. Each line provides context such as the action being performed, the pScheduler server URL and the raw JSON sent/received from the server. This log is intended to be verbose.

In troubles?

- Use support
 - `perfsonar-user@perfsonar.net`