Meshconfig requirements

perfSONAR

- Files on the pertmpXX servers
- Hints:
  - /etc/perfsonar/meshconfig-agent.conf
  - /etc/perfsonar/meshconfig-agent-tasks.conf
  - service perfsonar-meshconfig-agent restart
  - /var/log/perfsonar/meshconfig-agent.log
  - /var/log/messages
  - psc debug on/off
  - psc task simplestream --timeout PT5S --source pertmp01 --dest pertmp02
  - psc task rtt --count 100 --source pertmp01 --ip-version 4 --dest pertmp02
  - psc task latency --count 100 --source pertmp01 --ip-version 4 --dest pertmp02
- Hands-on: Meshconfig reloads: **check_interval** → 300
- For better collaboration add comments to meshconfig-agent.conf

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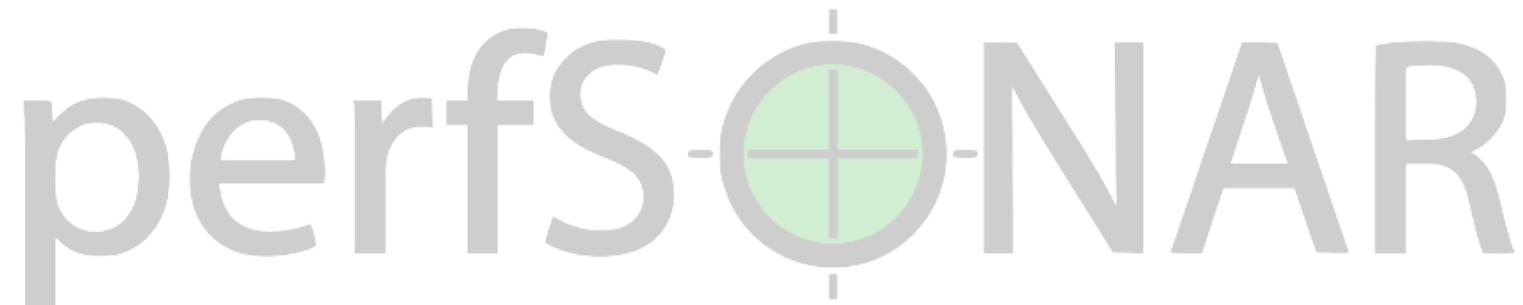
perfSONAR central measurements management training

eduPERT training
Ivan Ganizov RRZE/DFN
GEANT pS automation and deployments, pS Development team
November 04, 2016

perfSONAR MP mesh configuration

- Concept

- Mesh agent configuration

- Logs

- Hands-on

The concept

- A measurement mesh with MP perspective

meshconfig-agent.conf

meshconfig-agent-tasks.conf

pScheduler tasks list in DB

List
Item 1
Item 2
Item 3

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INTERNET.
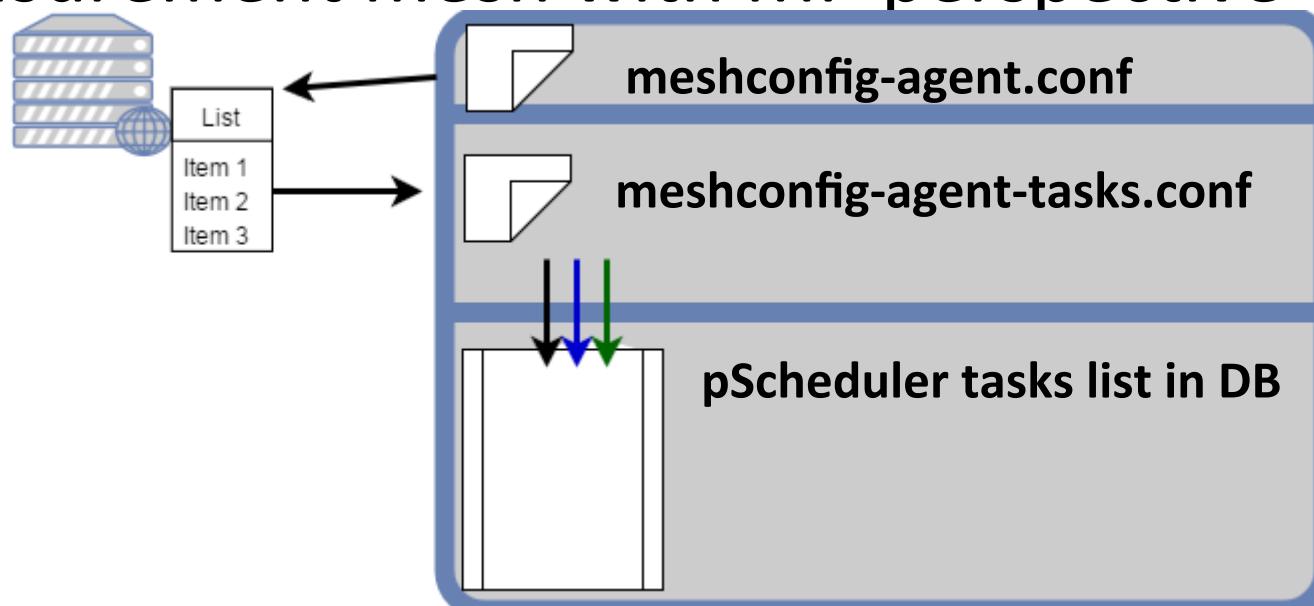
Meshconfig configuration file

- /etc/perfsonar/meshconfig-agent.conf
  - Mesh url: <mesh>……</mesh>
  - Use meshconfig to: **configure_archives**
  - Meshconfig reloads: **check_interval**
  - Local mesh agent reloads: **check_config_interval**
  - Task management options (skips, taskTTL, min_runs)
  - Pscheduler config: url, folders

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Meshconfig configuration process

1. /etc/perfsonar/meshconfig-agent.conf

2. service perfsonar-meshconfig-agent restart

3. /var/log/perfsonar/meshconfig-agent.log

4. /etc/perfsonar/meshconfig-agent-tasks.conf

Meshconfig Tasks File

- Tests

- Archives
    - API keys (Esmond procedure)
    - IP based authorization

- Hands-on review

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Toolkit pS FW

- Firewall managed by pS in a section

  http://docs.perfsonar.net/release_candidates/4.0rc1/manage_security.html

- Fail2ban installed by pS

perfSONAR toolkit logs

- Pscheduler: psc debug on/off
  - /var/log/messages

- Meshconfig:
  - /var/log/perfsonar/meshconfig-agent.log

- Negotiated tasks
  - /var/lib/perfsonar/meshconfig/psc_tracker

Hands-on

- Questions?
- Meshconfig reloads: **check_interval** $\rightarrow$ 300
- For better collaboration add comments to meshconfig-agent.conf
- Collaborate: Obtain the keys for the remote archivers
- Checkout the **shortcut.hints** file

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