perfSONAR

perfSONAR central measurements management training

eduPERT training
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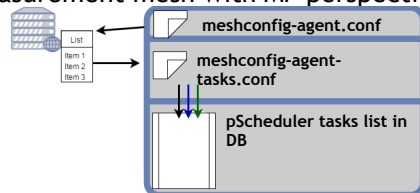November 04, 2016

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perfSONAR MP mesh configuration

perfSONAR

- Concept
- Mesh agent configuration
- Logs
- Hands-on

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The concept

perfSONAR

- A measurement mesh with MP perspective

List
Item 1
Item 2
Item 3

meshconfig-agent.conf

meshconfig-agent-tasks.conf

pScheduler tasks list in DB

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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

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

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

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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** → 300
- For better collaboration add comments to meshconfig-agent.conf
- Collaborate: Obtain the keys for the remote archivers
- Checkout the **shortcut.hints** file