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DGAS-sensors v.4.0.1

Release Notes

Modules

- emi-dgas-common
- emi-dgas-hlr-clients
- emi-dgas-hlr-sensors

Description

- Provides the basic set of DGAS (Distributed Grid Accounting System) accounting sensors, which can parse the LRMS and grid-jobmanager accounting logs and produce Usage Records for each job and send them to an accounting server.
- Supported LRMS are: LSF,PBS/Torque,SGE,Condor
- Changes since previous releases.
- A new sensor is available, which replace the old one. The new sensor, although assuring backward compatibility, provide a pluggable infrastructure which makes it possible to change the Usage Record schema and the record transport protocol.
- The current legacy usage record and communication protocol plugins are available. OGF-UR and ActiveMQ message producer can be added via the plugin infrastructure.
- The sensor, right as in previous releases, is composed by two daemons, dgas-urcollector and dgas-pushd. dgas-urcollector being responsible for retrieving the Usage Record information and dgas-pushd being instead responsible for the communication part. An important change from older version of the sensor is that now sqlite is being used to implement persistent IPC among the two daemons, which replaces the old, file based, mechanism.
- An arbitrary number of DGAS accounting services can be used as information backends.
- The configuration file has been simplified and sensors performance greatly improved.
- The old sensor daemons, although declared obsolete are still provided within the packages to ensure a fail-back strategy for sites already implementing DGAS as an accounting system and not wanting to migrate right now to the new sensors.

List of RFCs

- Implement activeMQ based sensor module [↗](#)
- New OGF UR Usage record producer [↗](#)

Documentation

- Functional Description [↗](#) (section 1 and 2)
- User Guide [↗](#) (section 4)
- Client Installation and Configuration [↗](#) (section 3)
- Error Code Documentation [↗](#) (section 8)

- [System Administrator Guide](#) (section 5 and 6)
- [Service Configuration Template](#) (section 5.7)
- [Service Reference Card](#)

Artefacts

Binary
glite-dgas-common-4.0.2-1.sl5.x86_64.rpm
glite-dgas-hlr-clients-4.0.2-1.sl5.x86_64.rpm
glite-dgas-hlr-sensors-4.0.2-1.sl5.x86_64.rpm
glite-dgas-hlr-sensors-producers-4.0.2-1.sl5.x86_64.rpm
Sources
glite-dgas-common-4.0.2-1.sl5.src.rpm
glite-dgas-hlr-clients-4.0.2-1.sl5.src.rpm
glite-dgas-hlr-sensors-4.0.2-1.sl5.src.rpm
glite-dgas-hlr-sensors-producers-4.0.2-1.sl5.src.rpm

-- MarcelinaBorc - 11-May-2011

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