

## 3.1.0 PPS Update 10

**Release date:** 27.11.2007

**Comment #1 [26.11.2007]** Added the tarball urls.

**Comment #2 [30.11.2007]** Modified the releases notes because mirroring of the DPM services to the CNAF repository did not take place. This was due to issues found in the pre-deployment testing.

**Comment #3 [03.12.2007]** The release notes for patch 1370 [↗](#) have been updated.

"There is also a new HTTP/HTTPS front-end, however due to some configuration problems we advice to put DPM\_HTTPS="no" into the YAIM configuration (site.info). The problems will be fixed in the next version of DPM."

### Preface

This update represents the introduction of a number of new services to gLite 3.1 for SL4 (32 bit).

- glite-AMGA\_postgres
- glite-LFC\_mysql
- glite-LFC\_oracle
- glite-PX
- glite-VOMS\_mysql
- glite-VOMS\_oracle

Available but not mirrored at CNAF:

- glite-SE\_dpm\_disk
- glite-SE\_dpm\_mysql

### DPM/LFC 1.6.7-1

Update of bot the glite-DPM (introducing https and xrootd frontends) and glite-LFC services.

Please notice that this release contains the patch #1370 (R3.1/SLC4/i386 DPM/LFC 1.6.7-1), priority of which has been set to **HIGH**.

### MyProxy

An SL4 based version of the glite-PX service, based on GT4/VDT1.6.

### AMGA\_postgres

First ever release of the newly integrated AMGA [↗](#) meta-data catalogue. The release includes a version for use with the Postgres database. Other database backends will be added according to demand.

AMGA is a generic metadata catalogue that is intended to provide access to relational data for a wide range of applications. The main features of the AMGA catalogue are high performance access to relational databases, especially on WAN connections. An SQL-like query language providing most of the features of modern SQL dialects provides complex joins and includes string and mathematical functions. This query language serves to hide the differences of various vendor dialects of SQL and is translated into the correct dialect of the back-end. In addition this query language allows to implement a fine grained access control, which is based on the built-in support for user and group management. VOMS groups and roles are supported. AMGA has

two different front-ends, a web service front-end implemented using gSOAP, which strives to become WS-DAIR compliant, and a text-protocol based front-end. Considerable effort has been spent on providing native client APIs for C, C++, Python, Perl and Java, both for the SOAP and the text protocol. A PHP API is available too. AMGA allows access to existing databases without the need to copy the pre-existing data into the AMGA service to make it available.

## VOMS\_mysql and VOMS\_oracle

Introduction of voms-admin 2 to the release. This is a major upgrade of the service, introducing support for generic attributes.

Although the release here is for SL4, there is still an 'upgrade path' from existing SL3 installations as the database needs a schema update, including a couple of manual steps. Please see the dedicated page for more details.

Note that configuration is through the familiar python scripts and this service is not yet supported by yaim.

## Repositories

For mirroring issues, please note that the update is available in two repositories due to a new version of the glite-yaim-core package, which has not been certified for components other than DPM/LFC yet.

The symbolic links for this update have been created in the following way:

<http://grid-deployment.web.cern.ch/grid-deployment/glite/pps/3.1/generic/sl4/i386/>

- glite-AMGA\_postgres -> generic
- glite-BDII -> generic
- glite-FTM -> generic
- glite-PX -> generic
- glite-TORQUE\_client -> generic
- glite-TORQUE\_server -> generic
- glite-TORQUE\_utils -> generic
- glite-UI -> generic
- glite-VOMS\_mysql -> generic
- glite-VOMS\_oracle -> generic
- glite-WN -> generic
- lcg-CE -> generic

Please notice that the 'generic-lfc' repository is specific for the PPS Update 10 only, and it will be merged with the 'generic' repository once the next yaim-core 4.0.3 has been certified and released to PPS.

<http://grid-deployment.web.cern.ch/grid-deployment/glite/pps/3.1/generic-lfc/sl4/i386/>

- glite-LFC\_mysql -> generic-lfc
- glite-LFC\_oracle -> generic-lfc

Please notice that the 'generic-dpm-lfc' repository is specific for the PPS Update 10 only, and it will be merged with the 'generic' repository once the next yaim-core 4.0.3 has been certified and released to PPS.

**IMPORTANT NOTICE:** This repository has not been mirrored at CNAF.

<http://grid-deployment.web.cern.ch/grid-deployment/glite/pps/3.1/generic-dpm-lfc/sl4/i386/>

\* glite-SE\_dpm\_disk -> generic-dpm-lfc \* glite-SE\_dpm\_mysql -> generic-dpm-lfc

## Patches

The following patches are included in the release:

No	Description	Priority
1349	<a href="#">glite-LFC_mysql</a> metapackage for SLC4	Normal
1350	<a href="#">glite-SE_dpm_disk</a> metapackage for SLC4	Normal
1352	<a href="#">glite-SE_dpm_mysql</a> metapackage for SLC4	Normal
1370	<a href="#">R3.1/SLC4/i386 DPM/LFC 1.6.7-1</a>	High
1420	<a href="#">glite-PX</a> for glite 3.1	Normal
1472	<a href="#">gLite-AMGA_postgres</a> metapackage for gLite 3.1	Normal
1501	<a href="#">glite-VOMS_oracle</a> metapackage for gLite 3.1 and SL(C)4	Normal
1540	<a href="#">glite-VOMS_mysql</a> metapackage for gLite 3.1 and SL(C)4	Normal
1541	<a href="#">glite-LFC_oracle</a> metapackage for SLC4	Normal

### New metapackage versions:

- PPS-glite-AMGA\_postgres 3.1.1-0 (Initial version)
  - PPS-glite-LFC\_mysql 3.1.1-0 (Initial version)
  - PPS-glite-LFC\_oracle 3.1.1-0 (Initial version)
  - PPS-glite-PX 3.1.1-0 (Initial version)
  - PPS-glite-SE\_dpm\_disk 3.1.1-0 (Initial version) (**Not available in the CNAF repository**)
  - PPS-glite-SE\_dpm\_mysql 3.1.1-0 (Initial version) (**Not available in the CNAF repository**)
  - PPS-glite-VOMS\_mysql 3.1.1-0 (Initial version)
  - PPS-glite-VOMS\_oracle 3.1.1-0 (Initial version)
- 
- PPS-glite-BDII 3.1.2-0
  - PPS-glite-UI 3.1.2-0
  - PPS-glite-WN 3.1.2-0
  - PPS-lcg-CE 3.1.2-0

### Metapackages to be reconfigured

- See the list of new metapackages

### Metapackages to be restarted

- See the list of new metapackages

### Original release notes

Please have a look in the **patch descriptions** (urls available above).

Release notes (gLite 3.1) and the generic installation instructions can also be found in:

- The Generic Installation Guide for gLite 3.1

In addition, recent installation instructions can be found for the following node types:

- glite-WN
- glite-UI

## Tarballs for UI and WN

- glite-UI
  - ◆ PPS-glite-UI-3.1.2-0\_2007-11-26.tar.gz [↗](#)
  - ◆ PPS-glite-UI-3.1.2-0-external\_2007-11-26.tar.gz [↗](#)
- glite-WN
  - ◆ PPS-glite-WN-3.1.2-0\_2007-11-26.tar.gz [↗](#)
  - ◆ PPS-glite-WN-3.1.2-0-external\_2007-11-26.tar.gz [↗](#)

The installation instructions can be found at:

- glite-WN
- glite-UI

-- JuhaHerrala - 30 Nov 2007

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