



Enabling Grids for E-scienceE

gLite Planning 2005 Outline

LCG PEB, December 14, 2004

Frédéric Hemmer

www.eu-egee.org



- **Workload Management System**
 - comprises Logging & Bookkeeping, CE, WN
 - with a Task queue implemented, but push only functionality
 - Data Management interface to RLS only
 - Available since December 10
- **CE-Notification**
 - implements the Task Queue functionality pull mode (notification to the WMS)
 - Only piece missing is the ISM updater, with tricky gsoap problems
 - In integration/development
 - Scheduled for January
- **WMS Storage Index Interface (allows interaction of WMS with Global Catalog)**
 - Interface exercised last week – naming problems
 - Scheduled for January
 - Will also interface to DLI

- **Global and Local File catalogs**
 - Global Catalog is the refactored AliEn catalog
 - Global Catalog packaged as AliEn
 - Local Catalog is new with provision for ACL's
 - Global catalog could be used without local catalog
 - Distributed updates (LC->GC) still in development
 - Interfaces agreed & defined
 - In Integration
 - Scheduled for January
- **gLite I/O**
 - Available since October 26
 - Feedback received from ARDA
- **R-GMA**
 - In integration/testing
 - mid December

- **File Transfer Service**
 - In integration
 - Scheduled for January
- **File Placement Service**
 - In integration
 - Scheduled for January
- **VOMS**
 - In integration/testing
 - Scheduled for January
- **UI (clients)**
 - In integration
 - Scheduled for January
- **AliEn Task Queue & CE**
 - Available through AliEn
- **Package Manager**
 - Available through AliEn
- **Grid Access Service**
 - Available through AliEn
- **Accounting (HLR)**
 - In Integration

Milestone	Month		Description
MJRA1.4	M9	12-2004	Software for the Release Candidate 1
MJRA1.5	M10	01-2005	Integrated Release Candidate 1 enters testing and validation period (Rel 1)
DJRA1.3	M12	03-2005	Software and associated documentation (Release 1)
DJRA1.4	M14	05-2005	Architecture and Planning (Release 2)
DJRA1.5	M15	06-2005	Design of grid services (Release 2)
MJRA1.6	M18	09-2005	Test plan for core Grid components and overall Integration (Rel 2)
MJRA1.7	M19	10-2005	Software for the second release candidate available
MJRA1.8	M20	11-2005	Release Candidate 2 enters testing and validation period (Rel 2)
DJRA1.6	M21	01-2006	Software and associated documentation (Release 2)

- **End of March**
 - use the gLite middleware (beta) on the extended prototype (eventually the pre-production service) (beta) and provide feedback (technical issues and collect high-level comments and experience from the experiments)
 - ***RC1 corresponding to MJRA1.5***
- **End of June**
 - use the gLite middleware (version 1.0) on the extended prototype (eventually the pre-production service) and provide feedback (technical issues and collect high-level comments and experience from the experiments)
 - ***Release 1 corresponding to DJRA1.3***
- **End of September**
 - use the gLite middleware (version 1.1) on the extended prototype (eventually the pre-production service) and provide feedback (technical issues and collect high-level comments and experience from the experiments)
 - ***Interim Integrated Build – milestone to be defined end of June***
- **End of December**
 - use the gLite middleware (version 1.2 - release candidate 2) on the extended prototype (eventually the pre-production service) and provide feedback (technical issues and collect high-level comments and experience from the experiments)
 - ***RC2 corresponding to MJRA1.8***

Priorities for the next 6 months

- **As a first priority to fix bugs and problems reported by ARDA & the PreProduction Service**
- **Validate the functionality and performance of Data Management components**
 - Decide on Global Catalog implementation
- **Validate the functionality and performance of the new Job Submission components**
- **Agree and converge on common configuration, logging and error handling**
- **Provide missing or inadequate user interfaces**
 - E.g. FiReMan interface

- **Release Plan (detailed)**

<https://edms.cern.ch/document/468699/>

- **Software for Release Candidate 1**

<https://edms.cern.ch/document/530554/>

- **gLite web site**

- <http://www.glite.org>

- Last Integration Build

<http://glite.web.cern.ch/glite/packages/I20041210/>

- Release Notes

http://glite.web.cern.ch/glite/packages/I20041210/doc/release_notes.html

- Installation Guide

http://glite.web.cern.ch/glite/packages/I20041210/doc/installation_guide.html