Minutes JRA1/IT-CZ Milan meeting 14-15/12/04

- Presentation of build system
  - Quick recipe by FrancescoP to work with the branches:
  1. /home/cmnarea/repository
  2. co org.glite ant -f glite.csf.xml (if I want a branch co -r glite_branch_1_0_0_RC1)
  3. download stage, copy integration stage tarball under stage (stage area that comes from the latest build of integration)
  4. remove .la files from stage
  5. run ant in org.glite.wms or in org.glite.wms.subsystem
  - Send mail to Elisabetta every Tuesday morning for every component even if nothing has changed
  - next week tigerman and gundam identity will be switched

- Archived mailing list
  - There is a new mailing list (itcz-paradisemi.infn.it) that should be used for posting solved problems. It is archived in http://egee-jra1-wm.mi.infn.it/itcz-paradise (and it's linked on the cluster web page).

- RLS Catalog discussion
  - Resource discovery Api would contain among other things the CE-SE Bindings, there should be a patch in the new year that would replace ldap calls with external calls.

- Status of DGAS integration
  Gianduia should be installed on the prototype machine and should be tested.

- Discussion about ISM
  - New version of boost (1.32) should be tried, first tests with the new version to see if something breaks should be done by Valentina.
  - Maintenance of ism: how to use filters and how to change it.
  - Salvo is writing the purchasers

- All filters are static (classad expressions, like matchmaking)
- ISM should dump data periodically and a special purchaser should read this dump.
• refresh and expiry : next week, Francesco G. and Elisabetta. Dump and filter for the end of january.
• DAG matching via ISM: Lot of discussion between FrancescoG and FrancescoP about how to implement it (priority queue, comunication with dispatch and request handler).
• CEmon - ISM interaction: Workload manager have many job and every job is retried every x seconds, so wm passes much time in doing retries.
Some sort of trigger should be forced by the purchaser, another option is to reset the timeout for all jobs in the TQ: there could be some inefficiency problems.
Notification from CEMon can be sent in multicast (without considering the security).

• Discussion about Release Plan v 1.13 (EGEE-JRA1-TEC-468699)
  • Unit test question: non zero code coverage is better than zero for now. We should try to have all components with some tests instead of having a single component with high percentage.
  • Multi-dn support: rescheduled with erwin.
  • Missing things:
  - WS interface
  - quick and more efficent support of the pool mode (the current loop can do it, but it is slow and unefficent)

• LCG and GLITE open issues
  - You are supposed to change status in Savannah for "your" bugs: None ->Accepted -> In progress
  - In progress Ready for integration (when fixed in CVS).
  - Don't close the bug (this is up to the testing team or to the person who opened the bug)!
  - Let D. Smith know about the problem (and the proper fix) if it is applicable also for LCG.

- **Medium term issues**
  - The WMproxy (and bulk submission): the server is ok and running in apache. More tests needed.
  - The LB 'hack' ranking function: cesnet, ready in both cvs (RC1) - only limited query.
  - The integration of Advance Reservation services: there is a way to deploy it without sharing the same memory space of wm. This could be done using the periodic dump of the ISM: the Advanced Reservation system should read this dump.
  - Policy-aware brokering, the use of G-PBOX:
  - integration between wms and gpox.
  - when there is a submission wms gives a list of all the resources that satisfy the request, the classad that are representing the resources will be converted in XML (done by the PEB: Policy Enforcement Broker).
  The converted request will go to the pbox that will reply to the PEB, in this way the resulting list of resources will be shorter.
  - xacml policy language model
  - building a request and a policy
  - Inspection of standard stream: could be done using interactive jobs or using something different. Other ideas will be investigated.

- **Site Report**
  - Cesnet presentation
  - LBProxy: is it possible to have more than one rpm per component? Elisabetta says no. This should be discussed with ITeam.
  - Job Provenance
  - Documentation and doxygen.

  - Padova presentation.
  - CEMon
  - Support of pull model.
  - CREAM Service (Computing Resource Execution and Management service).
  - Prototype activities.

  - Datamat presentation

- CNAF presentation

- Torino presentation

- Next meetings:
  - gen 24-25 (MON, TUE) - catania
  - march 7-8 (MON, TUE) - milan