

### Participants:

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Cristina:

- status of the work after last week request for the PTs that needed the use of the SA2 cloning-script, to import subsystems/components/configurations/ into the EMI etics-project
- scrip ready Thursday, 07.10.2010) afternoon/evening and Lorenzo tried it on an etics testing-instance, where he encountered few problems that need to be clarified during this meeting.

PTs status:

- ARC - done the work without importing, first builds but still having problems with voms, lfc - not yet present under EMI project.
- AMGA - cloning list received
- APEL - send the list, no problem encountered
- ARGUS - Valery, no need of cloning, start working/building, first problems with java/jdk versions; almost all PTs using java agreed to use OpenJDK, only **dCache** expressed some concern and Owen will have to test, they suspect problems in the security area (scalable vector graphic); answer expected during this week, if testing will take longer Owen will notify EMT. Valery - a solution could be the use of the Sun JDK. The real problem is that right now there is a mix of versions (jdk, OpenJdk); only one of them should be used.
- DGAS - no cloning needed, requested creation of the subsystem, but no work started.
- DataManagement & InformationSystem - Pedro - received lists, corrected some error; Lorenzo spotted out some data-components that are not included in the list; Cristina will send an e-mail with missing components names
- JobManagement - Paolo - the structure is ready for all the components for which the PT is responsible, building is not yet possible because of internal dependencies/components still missing; Cristina - after the meeting to discuss about the voms for which maybe only names changes are needed when expressing the dependencies
- LB& CESNET Security - Zdenek send everything, no problems encountered

Zdenek - after the cloning will the PTs be able to edit the subsystems/components/configurations? how will they be able to correct errors?

Cristina:

- first a test will be done on a testing-instance of etics, so that no problems are introduced in the "production" ETICS server
- after this, maybe tomorrow Lorenzo will ask that the PTs verify the result of the importing process; in case of problems/errors they will be corrected by Lorenzo in the script or by the PTs in their list, after which another test will be done
- when everybody is happy, the importing script will be applied on the real/production ETICS-server, and permission will be given to PTs to continue the work of modifying/improving their components/configurations

gLite Security - Oscar - send a huge cloning list, that for sure requested a lot of effort

StoRM - no importing needed, all configurations are ready, no build done yet, waiting for the internal dependencies to be available

UNICORE - no importing, Bjorn - building tried, take very long; internal discussion about which components from the one listed in the various UNICORE PTs will be prepared for EMI-0, because not all their components are suitable to be packaged as rpms; there will be more components that are now present in etics; at this moment compilation works, they have to manage also the packaging to be able to produce useful rpms that can be deployed/installed everywhere.  
VOMS - Vincenzo - ready with the components in etics since last week, his working now on making them compliant with the guidelines (fedora/debian)

Some of the problems encountered:

- the presence as internal-dependencies of some components present in subsystems that are not part of any PT (glite-version, lcg-expiregridmapdir, service-discovery.api-c, service-discovery.cli - used by DataManagement & WMS) - Cristina will have to go through gLite-EMT trying to find out who will maintain this components; if no one will be available to maintain them, the PTs that are using this components as dependencies will have to take the responsibility on supporting them

- globus & gpt - majority of gLite PTs are using vdt-globus, but for EMI will have to change on using the globus available from EPEL

Cristina - did someone already tried to have a look to the globus offered by EPEL?

Owen - will try it as soon as: a) permissions granted on the emi.dcache subsystem; b) configurations are imported; they are already trying in Hudson for dCache, and know it works

Cristina - it will be useful to have a correspondence for globus names - the ones in the EPEL and the ones in VDT

Owen

- it's a matter of having the libraries and test them so the above it's not something with high priority;

- gpt is not needed if working with the EPEL globus; it's something made especially for globus, because they were not using autotools or cmake

Cristina

- **myproxy** - Zdenek is dealing with the Myproxy server/metapackage, they have everything ready, but it was decided in the gLite EMT that there is a need of a newer version myproxy; Alain Roy promised a newer version in the etics VDT; it was discussed that the version available from EPEL is not compiled (??) with voms and that the one available from VDT will be better; it will be available as it is right now from ETICS

- will have to figure out how it will be made available: from ETICS repository or from the emi-third-party repository

- **bouncycastle** dependencies:

- most of gLite PT depend on "bouncycastle-glite", but a bouncycastle is available also from the EPEL repo, provided/supported by Steve Traylen

- bouncycastle-glite last version contains a "fix" - Paolo - there was a problem regarding an algorithm, and the fix is only the removal of this algorithm from the package, but not very sure

- it should be clarified if this fix could or not be included in the official EPEL version.

- **fetch-crl**

- it's provided by a general available repository, like the lcg-CA, on the EUGridPMA distribution page, developed by David Groep

- it's used from ETICS because it's not possible to make an ETICS a metapackage if the dependencies are not available in the externals or in the core OS; it's a limitation of ETICS

- ARC is using curl-update that will be deprecated by the fetch-curl, and fetch-curl it's also available from the EPEL repository - in which case there's no issue - this one will be used

AOB:

Owen

1) - what version of ant is used by other PTs? is it possible to use a newer version than the one in the OS as build-dependency?

ARC - is not using ant but will advice against of using another version than the one used by the OS

dCache - will like to use the latest versions and would be very hard to try to convert their code to older versions

ARC - suggests RHEL6 - this will be good enough for dCache (the version offered by RHEL5 is not good enough)

CREAM - ant-1.6.2; dCache - 1.7 series; OS - 1.6.5-2

Owen

- is there a problem in ETICS being able to put custom build-dependencies? it shouldn't affect any other distribution or other PTs

- run-time dependencies should be synchronized, but build-time dependencies shouldn't be an issue if they are different.

**Cristina** - to ask Lorenzo/ETICS-experts opinion

Owen

2) - Patrick informed in a PT (dCahce) meeting that during a PTB someone presented that everything, including java, is going to have to separate out all of the libraries, and this come as a surprise as it was agreed during an EMT that we are going to make an exception for java, as it is a cross-platform solution, make once - deploy everywhere, rather than a c-like solution, compile everywhere - run everywhere; during the EMT this was considered an sensible compromise

Andrea

- this also affects VOMS & ARGUS - is very important aspect; the understanding was that this should refer only to clients that were to be included in the distributions, and this will have to happen at the end of the project; for sure this was not an objective for the first year; this was understood from the EMT so it's again a surprise also for Andrea

**Owen** - will try to clarify and then send an e-mail to the EMT-mailing-list

Martin - short update for the ARC status - not everything is compiling because of some inconsistencies on VOMS configurations; those configurations are dependent on globus and expat; it seems that those configurations are still in WIP

Cristina

- yes, voms configurations are still WIP

- in case of problems, it's better an e-mail with the details, to EMT-mailing-list, and we'll try to solve them