Participants:
Martin Savko, Anders Waananen, Oxana Smirnova, Valery Tschopp, Andrea Ceccanti, Owen synge, Jan Schaefer, Christian Bernardt, Paolo Andreeto, Massimo Sgaravatto, Zdenek Sustr, Bernd Schuller, Bjorn Hagemeier, Vincenzo Ciaschini, Claudio Cacciari, Eva Cernakova, Lorenzo Dini, Cristina Aiftimiei

Discussion about phone-bridge problems - the EVO phone-bridge ID coding changed => Cristina to correct them for all the booked-meetings (Bjorn - has details)

Cristina:
 - Action List (https://twiki.cern.ch/twiki/bin/view/EMI/EMTActionList):
        - Service Reference Cards - table at
https://twiki.cern.ch/twiki/bin/view/EMI/EMTSrcTemplate#SrcLinks; missing SRC for dCache, StoRM, UNICORE; Bernd (UNICORE) - will be ready until tomorrow.
        - EMT-meeting participants - closed
        - EMI releases code-names - no comments - will be closed
        - ETICS-configuration responsible contact - closed
        - List of dependencies - missing gLiteSecurity
        - JAVA version in EMI - new action - opened for dCache & StoRM, that needed more time for testing
Last e-mail from Owen said that they were using recommending and testing with the "run time" environment with the standard sun java version from the redhat/SL. Currently these are:java-1.6.0-sun-compat-1.6.0.20-1, which requires jdk = 2000:1.6.0_20-fcs. Any change at this stage would have to be planned and approved and would require code changes and so development effort.
Cristina - what's the opinion of the other JAVA users - it's ok to use the java-sun?
AndreaC - fine for VOMS-admin
Valery - if it's done correctly and in the build-image, sl5_x86_64_gcc412EPEL, is present only one version
Cristina - yes - the one mentioned above (java-1.6.0-sun-compat-1.6.0.20-1)
Bjorn - for UNICORE either one of them is ok.
Paolo - for JobManagement, CREAM, either one of them is ok.
Anders - question about EPEL - that doesn't have the java-sun, CentOS doesn't have java-sun. ARC will want to stay with OpenJDK
Cristina - only SL5 has both of them
AndreaC - we are talking about what will get installed in the build-machine, not about what will be used to run the service/client. people may chose to use OpenJDK to run them
Anders - would be easier for someone that wants to build a component to use the OpenJDK
Owen - dCache is not working with OpenJDK, only the client is working with OpenJDK, is there a need for every service/client to run with the same version of JAVA?
Andrea - we are not talking about to run the VM, but about the VM that is used to build/compile the components - Owen - lot of issues with compiling dCache with OpenJDK, problem with the cryptography library & xml-graphix used to generate web-pages.
Lorenzo - if no one is complaining about the java-sun why no to use it.
Anders - it's not a good move not to follow what the OS are offering.
Bernd:
 - as a compromise, as this is requested only for dCache (documentation) could it be excluded from the build of the EMI-0, to have a trimmed down list of components to build?
Bjorn/Bernd:
 - why we have to have the same dependencies? why can we have both of them in the same machine, one DEFAULT, and another one that can be referenced (update-alternatives)? Even as a user this is possible changing some environment variables and paths. This are 2 different implementations of

java, so it can be installed both of them

Lorenzo:
 – there is no problem providing both of them. ETICs was designed to provide different version even for the same external. We have only to decide which will be the default one, and then we'll need to put them in the EMI repository if they are not provided by EPEL or OS. And then Owen will have to put a dependency on the sun jdk
Owen:
 – would like to create a metapackage, to be used for EMI, and not to put a dependency on the rpm, because there are users that are doing force install of rpms and even "alien" them, and every time they tried to put dependencies on rpms they had complains from users

Cristina
 – the conclusion is to put both JAVA versions on the build-machine, and make available on the emi-third-party repository the java-sun, that' not available for all the OS from their own repositories.
Lorenzo:
 – which one wil be the DEFAULT one? – OpenJDK – as it come from the distributions
 – as of Friday on the build-machine there is the OpenJDk installed, to this will be added the sun jdk
Owen:
 – for the newer/future versions of dCache there is a problem with the version of ant used. They are using a newer version
OWEN – to check what is the version of ant used by the current dCache to be integrated in EMI-0.

Cristina:
 – last week there was a problem with globus, on which Mattias gave the solution
Valery:
 – the problem is how to integrate it in autotools?
Vincenzo will explain off-line what needs to be done

Cristina:
 – fetch-crl will be taken from EPEL
 – bouncycastle-glite removed – PTs that were using it as dependency should try to use the bouncycastle from EPEL
 – myproxy – last week Zdenek mentioned that they will use a myproxy developed by Alain Roy, that has dependency on vdt-globus
Zdenek – was advised to use it by gLite, glite-EMT, will fwd the discussion on the subject
Anders – there could be some issues – ARC did not try to get myproxy to work with the EPEL globus, because they are not using myproxy; and a threading problem, myproxy needs non-threaded globus-library that is not available from EPEL.

Lorenzo – status of the importing/cloning activity:
 – more complicated than expected, time spend on finding out the configuration-dependencies resolution
 – identified external dependencies that will remain the same, some that will be moved to EMI, some that will be removed
 – a complete/clean list on how to handle the internal versus external dependencies is now available, the script is running on the internal development machines; if everything is working an e-mail will be send to EMT with the hostname, so that it's possible for each PT to check their subsystems/components/configurations; after the confirmation that everything is OK, the script will be applied in "production"

Cristina:
 - last week it was created the emi.misc subsystem for the components that are not supported by any PT
Lorenzo - the components there are not following the Guidelines
CRISTINA - to update them with emi. prefix

Status of the ETICS-situation by PT:
VOMS:
 - Vincenzo - problems with the build, they are taking a long time; apart this he has managed to have a good receipt for the conversion into EPEL compliant form; he would like that Mattias has a look and confirm if the content is what it is expected. 2 packages are ready: voms-server & voms (containing the libraries, provided by org.glite.security.voms-api-cpp) Correspondence between "Components => Package provided" can be taken from the table present under
https://twiki.cern.ch/twiki/bin/view/EMI/TSA13#End_of_Sept_2010_configuration_r
 - Anders - if Vincenzo had a look at the components present in EPEL?
 - Vincenzo - yes; looked also at the specfiles created by Mattias, but he had received the recommendation not to use specfiles so he had to transform them, this being also the cause for the delay. The content of the components that are ready match the ones in EPEl, but he would like an independent confirmation. The specfiles he's using are not completly empty because he intends to use them to create packages both for SL & Debian
Lorenzo
 - there was an e-mail exchange between Vincenzo and Martin on the installed rpms wersus staged-packages. It was decided (SA1) that the internal packages are not installed as rpms, because the internal packages are not installed as root. So all external dependencies are installed as root, on the build machine, but the build itself runs in user-space.
If you want to use voms-api-cpp, one cannot refer it into the standard location in root-space because that pack was build but not installed, for this there is a standard location were all the files that were build end up ETICS STAGED_DIRECTORY, that can be accessed with some etics properties and that should be used by components to access the components that were build in the same build process. All details are present in the Guidelines
(https://twiki.cern.ch/twiki/bin/view/EMI/EmiSa2ConfigurationIntegrationGuidelines)
Vincenzo:
 - the location of files changed, the structure of the directories changed; when all the packages will be ready he'll send an e-mail with all the details about modifications done

Owen:
 - does etics provide sub-packages? Lorenzo - no
 - doesn't rpm provide already a mechanism to install with prefixes root-packages?
Lorenzo:
 - this was valid for relocatable rpms, but the latest trends are that relocatable rpm should not be used anymore.
Anders - agrees
Owen:
 - sub-packages are an issue - dcache is making 4 rpms from one packages, including test applications that they don't want to distribute
Lorenzo:
 - etics provides 2 commands: packaging & installing. In the packaging command - you can run your rpm-build with your specfiles and create as many packages as you want; in the install command you are specifying which are the files that you want to be published in the staged directory/area

UNICORE:
Bjorn:
 - they have successful builds for hila-shell & hila-unicore6, they will continue with the others
 - they seem to have problem inheriting properties from the subsystem, only the ones from the project-configuration seem to be able to be inherited; The only way they figured out to be able to use this sub-properties from the subsystem inside the comp, was to make the components-configurations sub-configurations of the UNICORE subsystem and then build the whole subsystem every time. Is that the intended way?
Lorenzo:
 - you can inherit during the build from the project configuration only.
 - to inherit from the subsystem-configuration is possible via the project - when the sub-system will be attached to the project by building in the context of the it will inherit also all the subsystem properties that are present. Right now - you will just need to add a project-configuration with your subsystem-configuration attached to it. We (Cristina/Lorenzo) can create something (project-configuration) instantaneously. After that there's no need to build again the whole subsystem, the component only can be build in the context of the project, the subsystem is a child of the project and will be used.

dCache:
 - waiting for the import script
 - also some other components were created - Owen only tests done, will start working there in the near future, after dcap will be imported, that is expected to work

DM - wait for the import

ARC:
 - Martin - problem building against voms; after discussion with Vincenzo, build is going further, still has to correct the include-paths, confident that will work.

Lorenzo - question for Anders - is there a problem pointing the ARC build scripts to a different location of voms?

L&B - wait for the import

DGAS - to be contacted directly
APEL/ARGUS waiting for the import
JobManagement - waiting for the internal-dependencies - like L&B, security, gridsite
MPI - no news - to be contacted
StoRM - no news, to be contacted directly to ask about the JAVA version problem

AOB:
Owen - news about the PEBreport on the repackaging third-party libraries
 - spoke to people and established that the problem was caused by a confusing wording "component=package", for Owen the component was anything that is a third-party library. He offered to make an improvement on the documentation. It was no intention of the PEB to overwrite the EMT perspectives. It was probably an over-exposure to etics-terminology, for the meaning of the component. A component is a more general thing and is not interchangeable with "package". He's happy that it was clarified with the peoples concerned about this issue.

Cristina:
 - also spoke with Alberto and he said that will prepare an explanation about this, he's busy this days, but that he will try to explain it better. Cristina to follow-up on this.