# UNICORE Integration Task Force, 23.3.2012

Participants: Krzysztof Benedyczak (KB), Tiziana Ferrari (TF), Rafal Kluszczynski (RK), Dmitry Nilsen (DN), Mathilde Romberg (MR), Serge Salamanka (SS)

NGI participants: NGI\_DE, NGI\_NL, Belarus

## EMI UNICORE progress update (accounting, authorization, information system), Krzysztof Benedyczak

UNICORE ready to export to APEL with SSM, but SSM is still in preproduction.

**Accounting discussion**

TF: The accounting discussion within EMI was about Usage Record or SSM?

KB: The general discussion was on the format (compute accounting record). APEL agreed to support it, but after detailed investigation raised issues. Profile is not yet implemented anyway so it is good time for discussion.

KB: The discussion about SSM protocol - DGAS team expressed wish to have SSM standardized. Other teams agreed.

TF: Supports KB’s comments on SSM provided on accounting-tf list. SSM should use standard solution, and not the proprietary one. Also, there is no technical documentation on SSM.

KB: There is no detailed technical SSM documentation (online or offline), only README in sources. Testing showed reliability problems with APEL server. SSM is client+server+protocol and it can use any broker, currently using EGI production or testing messaging broker.

**Open issues discussion**

TF: The current OLA and certification procedure requires accounting data. Both summarized and non-summarized data are OK. However, in order to accelerate the integration of middlewares it was decided that certification can go on without accounting.

TF: Regarding monitoring – it is enough to pass all relevant tests in order to be certified. Before it was required to run site for several days.

TF: NGI\_DE and PL-Grid should provide UNICORE contribution to the certification procedure (https://wiki.egi.eu/wiki/PROC09) and manuals (https://wiki.egi.eu/wiki/Operations/HOWTO03, https://wiki.egi.eu/wiki/Operations/HOWTO04).

KB: Procedure has some gLite-specific things and would like to know why these requirements are defined by EGI, are they really needed.

TF: The important ones are: accounting, monitoring and information system. However, if some of them are not available, they could be temporarily not provided.

MR: Someone from NGI\_DE (Hannover) is participating in accounting activity. NGI\_DE has its own information system with their sites. NGI\_DE have a special VOMRS which is used for generating mapping files for middlewares that do not support VOs.

DN: Important is integration with VOMS because of monitoring.

EI: Ops VO requirement could be extended for middlewares that do not support VOs (e.g. enabled credentials used by SAM instance to run tests).

KB: PL-Grid has Nagios instance monitoring all their middlewares with different credentials.

**AOB**

SS: What is the difference between EMI and sourceforge UNICORE?

KB: It is the same code. The differences are in packaging (different folders). EMI repository is a bit late, versions are older.

## UNICORE monitoring integration, Emir Imamagic

KB: Probes are monitoring all UNICORE services except for CIS.

MR: CIS is not part of EMI?

KB: EMI probes monitor all UNICORE services.

**Open Issues discussion**

KB: Complex workflow probe could be done outside of SAM only within PL-Grid. Still has to check if it should raise alarms or be part of A/R. Atomic job test is missing.

EI: Atomic test will be added once the main SAM milestones are finalized.

KB: Global registry will have a lot of problems. Previous version of registry definitely does not work. Regarding monitoring we can setup such registry but use it only for monitoring purposes.

MR: Global registry for monitoring services could be set up.

KB: Currently to perform tests of any service one need to provide registry URL. If the registry fails, probe will report problem for all services. Simple solution would be to use central global registry. Other way around is to scan all registry and get links.

EI: Can this requirement be dropped?

KB: It is more convenient for users. Does not expect it to change.

MR: It is possible to use local service registry.

KB: Good idea. Will ask Mariusz to test the local service.

EI: Volunteers for running Global Registry?

KB & MR: Both would run it.

SS: Is it ok to run Registry on virtual machines?

KB: Yes. PL-Grid runs all services as VMs.

## Next Meeting

Agreed to have the next meeting at the beginning of June 2012.

## AOB

SS: Belarus is planning to deploy UNICORE monitoring by the end of April.

EI: Recommends waiting for the SAM release Update-17.

TF: What is the timeline for integration of UNICORE sites into EGI?

SS: New UNICORE sites will be created. Timeline – working on development of portal, deadline is July, August. At that point gLite and UNICORE sites should be integrated.

# Open actions

TF and Peter Solagna: Clarify certificate procedures from perspective of other middleware together with PL-Grid.

KB: Test using local registry for probes.

TF & EI: Ask NGIs on interest in UNICORE deployment.

EI: Organize the next meeting.

All: Send contacts that should be included to the list.