

Minutes of Joint NA4/SA1 meeting Oct 14 2005

V.Breton

Present: F. Harris, G. Romier, V. Breton, I. Bird, R. Rumler, C. Blanchet, V. Lefort, B. Jones, Y. Legre, R. Barbera, C. Vistoli

F. Harris(slides)

Action 1

F.H did update the group mandate and checked with Ian Bird regarding participation of non-HEP to weekly operations meetings.

Action 2

Biomed and new applications should subscribe to project-lcg-gda@cern.ch regarding participation of non-HEP to weekly operations meetings

Contact: John Gordon (RAL)

For biomed, participants should be members of the biomed task force.

Action 3

Joint NA4/SA1 group is OAG

Action 4

Need for clear use cases for VO organisation for both LCG-2 and future on gLite

Action 5

A document is being produced by CC-IN2P3 to describe the set-up of a VO.

Action 6: support to MPI in LCG-2

MPI is a decision at a site.

Action 7: to follow up at PEB level the setting up of Biomed Task Force and implications for project

Action 8: to bring to PEB the need for a project-wide policy(formed by PMB) to guide negotiations for resources for new applications

Action 9: to summarise Biomed requirements for services both immediate and long term

Updated mandate:

- Define the VOs associated with new application community (number and internal structure)
- Assist in negotiations for resources for new application area
- Ensure ROC/CIC services available to new area – eg. Operational and user support
- Really ensure technical links from application to SA1 are established
- Ongoing brokerage for resources for application VOs
- Ongoing review of community satisfaction and development
- Encourage provision of test facilities by resource centres for prospective new application areas

- Provide technical advice to EGAAP for applications to EGEE from new areas

Discussion on bullet 7

Technical advice is needed regarding requirements of new applications.

Ian Bird

Ian has proposed to have a monthly face-to-face meeting of ROC managers. There should 1 or 2 hours to discuss issues specific to applications.

The format of the resources needed by the biomedical community is not very clear. There is a need for a forum where the new communities come with their needs and where they can discuss with SA1 what can be done. It is important to involve in the discussions the people with a good knowledge of the infrastructure.

At the monthly SA1 meeting, there should be a discussion of the brokerage of resources and of the services available to the different VOs.

A focussed discussion is needed between the applications technical experts and people knowing the resources and services available on the infrastructure. These people would be NA4 and SA1 experts.

Bob Jones (slides)

Resources for non HEP applications: provision of missing Month 1 resources would cover needs of non HEP applications.

Policy for resource negotiation was approved by PMB

Action: define the application areas for the columns.

Proposal: pilot applications + EGAAP approved + other

Other has to be better defined...

Need to demonstrate that we have established a large-scale production quality grid infrastructure supporting multiple applications and user communities.

Comment: the main RB used by the VO biomed is not included in the statistics. Request to Cristina: to provide statistics on RB usage by the biomed VO.

Yannick Legré (slides)

Status of physical resources:

1. LDAP server at CC-IN2P3: vo-biome.in2p3.fr:389/636 (with ssl), Base DN: o=biomedical,dc=lcg,dc=org
2. Resource Broker
 - a. Production: CNAF (eg-ee-rb-01.cnaf.infn.it), IFAE (lcgrb02.ifaefr.es)
 - b. Test and backup: UPV (xperseo.dsic.upv.es)
3. RLS
 - a. Production: CC-IN2P3 (under configuration and testing)
 - b. Temporary: CNAF (datatag2.cnaf.infn.it)
4. UI: 5
 - a. LPC, CC-IN2P3, UPV, IBCP (GPS@ portal), CNB
5. CE: 8
 - a. LPC (2), CC-IN2P3, CGG, UPV, CNB, SCAI, LAL
6. WN: 168 (334 CPUs)
 - a. LPC (72), LPC (50), CGG (4), UPV (10), CNB (8), SCAI (14), LAL (10)
7. SE: 0.9 TB (+10 TB coming soon)
8. LPC (2), CC-IN2P3 (1), CGG (1), UPV (1), CNB (1), SCAI (2), LAL (1)

Flavia Donno: Ian Bird took a conservative position when he said VOMS would not be available in February. However, VOMS is progressively being deployed.

Christophe Blanchet: presentation of biomed task force (slides)

The SA1 contacts have to participate to the biomed task force meetings, be the contact point of the corresponding NA4 engineer. Need for a better definition of the task assigned to SA1 contacts.

Geneviève Romier: need to have a strong connection to the engineer handling the resource broker.

Discussion of the strategy to address user support to communities beyond HEP.

FD suggests to build up a generic infrastructure on the model of GGUS. R RUmmler raises that GGUS is only an access point to distribute problems.

First bioTF training: FD suggests having the first training during the LCG workshop. The logistics of the training is on NA3. The goals of the training must be defined. Finding the PCs and the room has to be done. Once Flavia and Christophe agree on the training content, David Ferguson will be contacted to organize the training at CERN.

Vincent Lefort: biomed demo (slides)

Demonstration of the GPSA portal. Suggestion to gridify BLAST as it is the most known algorithm outside biology community. Importance to stress the necessity to provide the same familiar interface to biologists.

Roberto Barbera

Status of GILDA:

intercontinental (8 sites in Europe and 1 site in Venezuela)

large number of GILDA tutorials

complete support of MPI, DAG

scilab (matlab clone) installed on all sites

GNU G95 Fortran compiler packaged (RPMs) and installed on all sites

GEANT4 application ported

MPI applications ported and tested

To run MPI jobs, worker nodes have to be properly configured. It is a matter of 5 minutes for configuring and the recipe holds on one slide (see Roberto slides). An example script demonstrated in Roberto slides enable other commands to be executed before and after the MPI job.

Earth Observation:

VO set up

ESR hosted at Sara

Twiki web site for collaboration

Need for metadata access and MPI (possible on GILDA)

Need for outbound connectivity

4 sites deployed

application: ESRIN portal demonstrated in EDG

Computational chemistry:

First meeting in Bologna on October 18-19

Astroparticle physics

Monte Carlo application RPMs being created

How to move a GILDA node to EGEE-0:

Simple configuration change (2 lines) for the RB

More details in Roberto slides for VO set up and WN/SE/etc configuration.

The migration of generic applications now running on GILDA to LCG2 infrastructure has to be started. Before the end of the years, the 3 generic areas should be ported for reporting in M9 deliverable on pilots deployment. The main problems today are MPI and DAG jobs.

FD comments that this procedure is not supported in LCG2 so that a GILDA site will not become an LCG2 site through this procedure. The problem is VOMS. HEP applications could not use CNAF RB because of VOMS.

It is not yet clear which is the strategy to integrate generic applications on LCG2. Either GILDA nodes hosting these generic applications become LCG-2 nodes , or VO should be ported to EGEE-0. Further discussions are needed.