

Alberto Masoni, 15-06-2004

COUNTRY	MEMBER	Part.	DEPUTY	Part.
Austria	Dietmar Kuhn			
Canada	Randy Sobie		Mike Vetterli	yes
Czech Republic	Milos Lokajicek	yes		
Denmark	John Renner Hansen		Anders Waananen	
Finland	Klaus Lindberg		Jukka Klem	yes
France	Denis Linglin	yes	Fabio Hernandez	Yes
Germany	Klaus-Peter Mickel	yes	Holger Marten	Yes
Hungary	Andras Benczur		Gyorgy Vesztergombi	Yes
India	P.S Dhekne			
Israel	Lorne Levinson	vrvs		
Italy	Federico Ruggieri	yes	Luciano Gaido	
Japan	Hiroshi Sakamoto		Tatsuo Kawamoto	yes
Netherlands	Kors Bos	yes	Arjen Van Rijn	
Poland	Michal Turala		Jan Krolikowski	
Portugal	Gaspar Barriera		J. Gomes	
Russia	Slava Ilyin	yes	V.Korenkov	
Spain	Manuel Delfino	yes	A. Pacheco	Yes
Sweden	Niclas Andersson		Tord Ekeloff	
Switzerland	Christoph Grab		Allan Clark, Marie-Christine Sawley	vrvs
Taipei	Simon Lin		Di Qing	yes
United Kingdom	John Gordon	yes	Steve Lloyd	
United States	Vicky White	yes	Bruce Gibbard	
CERN	Tony Cass			
ALICE	Yves Schutz		Alberto Masoni	yes
	Federico Carminati	Yes		
ATLAS	Gilbert Poulard	yes	Laura Perini	yes

	Dario Barberis	yes		
CMS	Tony Wildish	yes		
	David Stickland	Yes		
LHCb	Ricardo Graciani	yes	Andrei saregordtsev	
	Nick Brook			
Project Leader	Les Robertson	yes		
GDB Chair	Mirco Mazzucato	yes		
GDB Secretary	Alberto Masoni	Yes		
Grid Deployment Mgr	Ian Bird	yes		
Fabric Manager	Bernd Panzer	Yes		
Appl. Manager	Torre Wenaus			
Chief Tech. Officer	David Foster			
SC2 Chair	Matthias Kasemann			
Work Group Tech. Support	David Kelsey, Tony Cass	yes		

Meeting Agenda

See the agenda at:

<http://agenda.cern.ch/fullAgenda.php?ida=a041145>

Minutes of previous meeting and communications

The request from SixT VO to use LCG resources (at low priority) is presented. The resources will be used for calculations within the framework of the activity of the CERN Accelerator and Beams Physics Group (which includes the study of the LHC beams).

After some discussion the GDB decided:

- 1) To proceed pragmatically and encourage LCG Centres to open their resources to the SixT VO created at Cern.
- 2) To put on the Agenda of the next GDB meeting the definition of a clear procedure on how to add new VOs in LCG and discuss the related consequences on priorities on the usage of LHC resources.

In the discussion the possibility to apply to EGEE resources was suggested.

The minutes of the previous meeting were approved.

Report from Security Group: (D. Kelsey)

(See slides on the web)

The Guide on LCG Application, Middleware and Network Security

<http://agenda.cern.ch/askArchive.php?base=agenda&categ=a04115&id=a04115s1t12/document>

presented at the previous GDB meeting has been updated (some small changes, including the title). No comments have been received. **The document is approved**

In addition Dave proposed to create a new security team (made by Ian Neilson + CIC/ROC representatives) to take care of operational security aspects.

Dave asked also if there would be a need for a second team on “Security evaluation”

To test new middleware for security, looking for security holes etc.

Action on Ian Bird and D. Kelsey to make a proposal on these two topics for the September GDB meeting

The document on “LCG User Registration and VO Membership Management” prepared by the task force and edited by Maria Dimou is available at

<http://agenda.cern.ch/askArchive.php?base=agenda&categ=a04115&id=a04115s1t13/document>

The main conclusion is that the ORGDB are usable but not sufficient.

The proposal is as follows:

- 1) Every user of the 4 LHC experiments must register in ORGDB first (this is already true for the majority of people)
- 2) External users or short term users have also to register to ORGDB
Need simple speedy and robust procedure
- 3) Non-VO people (e.g. testers, experiment independent people) in ORGDB but e.g. via LCG/IT

- 4) Other VOs need to present a doc on how they register their users and then sites will decide if accepting them or not

The VO manager has to confirm the correctness of the DN, for example check the certificate and the name of CA and Common Name look reasonable .

When the VODB expiry date is reached the VO membership is immediately suspended. A membership can be suspended also as a consequence of a security accident.

The GDB acknowledges the effort done by the CERN group, that make possible the use of CERN User DB information for the VO database.

The Proposal for “LCG User Registration and VO Membership Management” is approved.

LCG and EGEE middleware integration (L. Robertson)

(See slides)

LCG-2 will focus on production while GLite will focus on analysis. LCG-2 main point will be the experience from the Data Challenges and the development in response of the requirements emerging in this context. Glite completed components will be integrated in LCG-2.

The target is to minimise the discontinuities of the migration to the new generation of middleware.

In the discussion it was underlined (Erwin Laure, Federico Carminati) that analysis represent the initial Glite focus but the Glite scope includes production too and there is the plan to use Glite in the Data Challenges very soon. In particular, with Glite, a substantial improvement is expected in the data handling area.

Site configuration requirements – Review of main problems encountered in LCG operation (Ian Bird)

See document and slides attached to the agenda

Several operational issues are reported (see slides). In particular accounting, with appropriate statistics of usage and failures is still missing and definitely needed.

For the CE/ Batch systems area the main problems are:

- Globus assumes homogeneous cluster (which is rarely the case)
- The information of available job slots is global and not by VO

Concerning the Resource Broker the point to improve are: the ranking (complicate), the submission time, the limit on the maximum number of jobs.

POOL/RLS: problem of poor performances.

General issues:

- Jobs cancelled/aborted for unknown reasons
- Lack of tools and information on failed jobs
- Lack of consistent storage grid interfaces
- Lack of disk space on SEs
- Unreliable data transport layer
- Large number of small files

From an overview of the experiment needs it appeared that the cpu should have, at least, 1 GB RAM per cpu.

GDB chair election

Two candidates: Kors Bos, Manuel Delfino

Total number of votes: 24

Kors Bos: 16

Manuel Delfino: 8

Kors Bos is elected new chair of the GDB.

LCG-2 component and service evolution (Ian Bird)

(see slides)

The idea is to continue to develop LCG-2 service to deploy an infrastructure essential for the DC productions. The developments are intended to be consistent with Glite developments.

Special effort is needed in:

- Data management
- Monitoring frameworks
- VO management tools
- Porting to non-RH73
- Operation and user support tools
- IP connectivity
- Interoperability

Some of these areas require a significant effort and the expected timescale to obtain a solution is beyond the LCG-2 lifetime.

The effort will concentrate in making the infrastructure more usable and manageable..

A long discussion took place on disk pool manager. A key point is to make dCache easier. A big effort has been done for 7 months but a general system to be deployed easily is still not available. The effort on dCache will continue until it become robust and easily installable (INFN and PIC offered to test the current version).

Alternative solutions as the light weight one presented by Ian Bird are currently not at all excluded and should be pursued

GUS operation service startup schedule (Helmut Dres)

(see slides)

It was recommended to advertise the availability of the system in the main LCG WEB page.

Glite architecture (Erwin Laure)

(see slides)

Next meetings:

- 2004 meetings:
 - September 8 CERN

- October 20 Amsterdam (clash with HEPIX date and place t.b.c.)
- November 17 CERN
- December 15 CERN

Action list

Actions from previous meetings

<i>Action</i>	<i>Responsible</i>
LCG Security ensure that Audit Requirements are implemented (deadline end of July)	National GDB members New Action on John Gordon to make a survey of sites
LCG Security Ensure that the list of people (nationally) to be contacted in case of security incidents is correct and provided to the LCG Security group Deadline end of July	National GDB members Action to be verified
Grid Deployment to appoint someone to take part of the installation tools group	National GDB members Action open
Grid Operation Centre (GOC) – to ensure that the accounting system will be operational at the beginning of February, in order to use it for the Experiments' s Data Challenges. The sites are responsible for sending the logging schema information to the central database.	John Gordon National GDB members Action open Report at June GDB
Grid Deployment provide requirements for the development of general mirror procedure for the experiments software starting from a single worker node installation	Site representatives, Flavia Donno Action closed Open action on delivery a solution
Grid Deployment to organize discussion to make practical recommendation on how to organize CE, queues and info providers in LCG	Ian Bird Action open
Grid Deployment to define working team to port LCG M/W to new operating systems: M/W to RHEL, Fedora and IA64	GDB members Done New action: to report on progress
LCG-HP relationship – to keep contacts with HP and prepare the terms of agreement for HP participation to LCG	Ian Bird, Mirco Mazzucato Action open
Grid Deployment: to provide indications of priorities in the deployment area	EXP. Representatives
Mass Storage to setup a group to start an intensive investigation about the overhead of small files at all levels (a tape, disk, data transfer...)	EXP. Representatives

New actions

Action	<i>Responsible</i>
LCG Security to create a new security team (made by Ian Neilson + CIC/ROC representatives) to take care of operational security aspects.	Ian Bird and D. Kelsey
LCG Security to test new middleware for security, looking for security holes etc.	Ian Bird and D. Kelsey