

## Minutes EGI-JRA1 phone conference 26/11/2012

### Contents

Minutes EGI-JRA1 phone conference 26/11/2012.....	1
Participant List.....	1
Requirement 4348 - VO monthly A/R statistics.....	2
Actions review.....	4
Status update.....	4
SAM.....	4
GOCDB.....	4
GGUS.....	6
Ops Portal.....	7
Accounting Repository.....	7
Application Accounting in TJRA1.4.....	7
Accounting Portal.....	7
Metrics Portal.....	8
AOB.....	8
ACTIONS from today.....	8

### Participant List

Cyril L'Orphelin  
Marian Babik  
Iván Díaz Álvarez  
Daniele Cesini  
Peter Solagna  
Paschalis Korosoglou  
Diego Scardaci  
Alison Packer  
David Meredith  
Paloma Fuente  
Helmut Dres  
Hanning Perl  
Goncalo Borges

## Requirement 4348 - VO monthly A/R statistics

Diego presents the document prepared for the rt4348 after the dedicated meeting 2 weeks ago - contribution expected by some PTs and SA1 - some arrived by mail some other will be added after the meeting - actions will be opened based on it.

Peter presents the slides SA1 prepared to describe the algorithm (see slide 3): for the first step an OR is acceptable per services and then AND on the all service types

"Retrieve the services supporting the VO from BDII: Daily frequency?"

Group services by service type (SE,CE,WMS..) and OR the availability of the services within one group

For now a plain OR is acceptable

AND the availability calculated for each service group to calculate the overall VO availability

Granularity?

Hourly: optimal

Daily: acceptable (to be verified)"

In the future it should be improved defining a threshold to set the minimum number of instances available (see slide 5)

"The CEs are 100% available in the time window if at least 30% of the CEs are available"

Diego: the threshold should depend on the number of services available for a certain types

Peter: true. we'll need to tune somehow - we need to think about it later on

Cyril: we must be sure that services are correctly published by the bdii

Peter: true, we need compromises

This info will be added to the doc and actions opened.

## Availability/Reliability computation for sites being partially in production during one month time

Peter presents the slides attached to the agenda for this topic:

"Sites may be certified just for a fraction of the month (e.g. when the enter production or they start their decommissioning).

In case of low A/R during that period (potentially short), the NGI statistics are affected considerably"

Sites can be in fact closed or suspended for a fraction of the month. The requirement is for the ace component. The SAM team should forward it to the developers

Peter: the sites should not disappear but just removed to the calculation

## Analysis on JRA1 tasks effort used versus plan

Diego presents his slides and the outcome on the topic of the discussion he had with the Project Office

2 main issues:

- TJRA1.4 highly under reported by almost all partners, activities not done, Requirements gathering phase completed, development started (see next slides)
- GRNET in TJRA1.2 very low: no reason for this, activities done

TJRA1.2:

GRNET: underspent in Y1-Y2 and in QR9, total to catch up ~4 PMs

If the situation is the same than in QR9, GRNET should provide 10 PMs for the remaining 18 months till the end of the project.

Paschalis Korosoglou: I will follow this up with my management today to understand why there is under-spending reported.

TJRA1.2:

FCTSG: over reporting 10 PMs out of 6 PMs planned. The activity done is very ok - remember that no additional budget for over-reporting

SRCE: slight overspending ok and in-line with activity

STFC: on track in QR9, although a few more PMs are expected to be reported in the coming months to catch up the undone activity in TRAJ1.3

CERN: on track at the end of Y2, balancing the under reporting of Y1 (Y1 18%; Y2 188%)

TJRA1.4:

Consumption of efforts is very low and reflects the low activity

FCTSG/INFN used less than 20% of their cumulated effort in Y2

STFC used 77% of efforts

Situation is not improving in QR9 but getting worst for all partner including Germany

TJRA1.5:

Under-reporting of Y1-Y2 (CNRS) is being caught up in QR9

Diego invites everybody: Discuss with your manager to define a plan to fix big deviations. Please, inform us about critical issues that not allow you to fix deviations. All the big deviations must be fixed and/or managed by next review (end Y3)

STFC and CESGA will discuss with the managers to make a plan to fix the problem

Diego: we should show a trend at py3 review, we should recover in 18months

Daniele: we can update the document with the first 2 quarters of year3

## Actions review

**195:** include in the Emir update - add documentation - a check is available - need Emir

**878:** on hold

**4018:** we can close, but it's important to keep update the wiki pages

**4130:** ask to Emir an update

**4131:** priority increased. No feedback from the PTs - Diego invites everybody to comment on the wiki

**4132:** Diego invites PTs to complete the action

**4532:** need to clarify with SA1 if this is a real requirement and which priority we should assign to it

**4533:** we need Emir

**4534:** we need Emir

**4535:** discussion ongoing - should be easy to do but we need some details to be clarified - we can setup an url with the xml - Diego invites Ivan to add this needed info on the document for A/R requirement

**4536:** already discussed

**4537:** on SA1

**4538:** on SA1

**4539:** in progress (next 2 weeks)

**4608:** in the slides of the today update for APEL

**4609:** we already support regional deployment but we need to synchronized with the regional repo

**4610:** started

**4643/45/46:** Marian will provide an entry-point of the doc to be checked

**4646/4647:** GGUS will update when there will be news - discussion ongoing

**4651:** David is in the glue2 group - document ready by Christmas

**4652:** as decided at the OTAG maybe we can close, we just need the information to be circulated?

**4654:** There is support for displaying only grid jobs, only local jobs, and both aggregated In the last release of the portal

**4655:** can be closed

## Status update

### SAM

mbabik: the only thing to report is that SAM-Update 19 has been released (<https://tomtools.cern.ch/confluence/display/SAMDOC/Update-19>)

mbabik: we're now working on SAM-Update-20 that should be released on 7th of December

### GOCDDB

GOCDDB Failover problems during recent RAL power outage:

1. Failover contained stale data:
  - a. Failover DB dmp file was being downloaded every 2hrs, but
  - b. Oracle pw expired on FO instance => silent failure of dmp file insert
2. Failover guys notified and was fixed
3. DNS switchover process went smoothly (60secs TTL)
4. Failover ran ok in read only mode for short period
5. Subsequent hardware/disk issues on failover (reportedly now fixed)

#### Improvements / lessons learnt:

1. Introducing a new test to remotely monitor the freshness of the GOCDB failover data
2. Failover load testing planned

#### Remaining issues:

1. Failover = 'best effort' service with single admin contact
2. Failover hosted on free Oracle XE so expect reduced performance (Oracle cluster licence required)
3. Not clear if SLA/funds are in place for failover (investigating)

#### Email lists move:

- [GOCDB-ADMINS@mailtalk.ac.uk](mailto:GOCDB-ADMINS@mailtalk.ac.uk) moving to => [GOCDB-ADMINS@mailman.egi.eu](mailto:GOCDB-ADMINS@mailman.egi.eu)
- [GOCDB-DISCUSS@mailtalk.ac.uk](mailto:GOCDB-DISCUSS@mailtalk.ac.uk) moving to=> [GOCDB-DISCUSS@mailman.egi.eu](mailto:GOCDB-DISCUSS@mailman.egi.eu)
- Current subscribers notified and will be automatically moved over
- Will send out notifications soon

#### New RDBMS support:

- Prototyping with Doctrine ORM package
- Out of the box support for Oracle, SqlLite, Postgres, MySQL
- Prototyping shows no issues so far (dbunit tests on different DBs)
- A big change
- PROM DB package would be scrapped (proprietary ORM-style DB package) in favour of Doctrine ORM which relies on normal DB constraints/FKs.
- Lose some flexibility provided by PROM, but Gain better performance with Doctrine queries + gain support for multiple DBs
- Provide test Doctrine version for testing/validation in new year

#### GLUE2 Support:

- WG finally decided on 'flat XSD' rendering over a deeply nested approach
- Flat is preferred by GOCDB/EGI and XSEDE
- Email notification on this decision sent 13th Nov
- DM to provide first draft of new GFD before Christmas break

## GGUS

### Recent Changes

#### GGUS structure:

- New Support Unit for QosCosGrid middleware
- New SU "EGI Federated Cloud" to be used for the support of users of the EGI Federated Cloud.
- New type of problem "Federated Cloud"
- Decommissioned SU "ARC Deploy"
- Decommissioned SU "NGI\_AT"
- New VO comet.j-parc.jp

#### GGUS interfaces:

- Interface to French ticketing system, Legacy tickets haven't been transferred to OTRS. They will be handled using the previous system until they are closed.

#### Reporting:

- New Report Generator is online

First meeting of the newly founded GGUS Advisory Board on Oct. 25th 2012, agenda see:

<https://indico.egi.eu/indico/conferenceDisplay.py?confId=1215>.

The GGUS AB is a body to discuss GGUS relevant topics with representatives from EGI, the technology providers and WLCG.

#### Coming up next

#### Topics in the next release (2012-11-28) relevant for EGI:

- Decommissioning of support unit LCG-CE in GGUS
- Further improvement of the Report Generator
- Changes in the technology helpdesk (ETA field)

Next GGUS AB on Thursday, 29th November, see agenda here:

<https://indico.egi.eu/indico/conferenceDisplay.py?confId=1259>

#### Topics:

- Future usage of report generator
- MoU with DANTE and collaboration on network support activities through GGUS (T. Ferrari)
- EGI.eu Operational Level Agreement and support service level targets (M. Krakowian)
- Notification of critical incidents affecting EGI.eu central tools through GGUS (T. Ferrari)

Further information about GGUS development :

- <https://ggus.eu/pages/owl.php>
- <https://rt.egi.eu/rt/Dashboards/2636/GGUS-Requirements>

## Ops Portal

1. dashboard prototype: Generic model to create and update tickets with configurable workflows
2. Alarm grouping mechanism
3. Management of flag mechanism: flapping alarms, non critical alarms , non production services

Work currently done on the broadcast in order to

1. isolate the different applications
2. use Symfony 2.0
3. use Lavoisier 2.0
4. propose the application as a group of services.

The benefits of this work will be modular applications working independently , a better efficiency and a release process done module by module . This will also ease the process of delivering packages.

Timelines:

- Dashboard prototype : before the end of the year
- VO A/R reports : work initiated . An important effort will be allocated to this task after the release of the prototype. But no estimation yet of the amount of work.

## Accounting Repository

- CAR (Compute Accounting Record) Summary format to be agreed to finalise how MPI accounting information will be included in summaries
- Regional APEL server development ongoing, packaging due to be completed this month. Will be made available for testing by external sites (Hannover) in New Year
- Sites who were not publishing UserDNs continue to republish data for the last year
- Nagios monitoring for APEL message broker used by current APEL clients now in place
- IN2P3 now successfully tested sending records to new APEL server

## Application Accounting in TJRA1.4

Goal: accounting software usage

- Needed data:
  - Which software/binary was called?
  - How long did it run?
  - Return values?
  - Signals (if applicable)
- Solution: client and server in C, wrapper around base
- Sources: <https://github.com/hperl/app-accounting>

Need to document this activity on the wiki

## Accounting Portal

The new Fomalhaut release of the Accounting Portal is now available on <http://accounting.egi.eu>.

There are several changes in this version:

- Improved UserDN country classification patterns.

- Improvements on usage by country.
- GET interface for CSV
- Support new RFC 2253 UserDNs.
- Better support for custom VOs.
- UserDN NGI attribution
- Support for local jobs, there are three options, selectable on most views:
  - Only Grid jobs (default).
  - Grid+Local jobs (In case there is a corresponding global VO, both are aggregated)
  - Only Local jobs
- Many fixes and optimizations.
- There are also many important changes and new views on the usage reporting between NGIs and countries that are on hold pending approval of the EGI Usage VT. Interested parties can visit <http://accounting-devel.egi.eu> to check them.

## Metrics Portal

The metrics portal was updated for the PQ9 metrics gathering campaign:

- Quarter-dependent activities (for the decommission of SA3).
- Quarter-dependent metrics (for decommissioned, replaced and semantic-changing metrics).
- NGI summed metrics for NA2.
- New quarterly views and Excel report.
- Redundant views removed.
- Changes in the auth system.
- New scrolling report layout.

## AOB

date for the next meeting: a doodle will be circulated for that

## ACTIONS from today

1. Action on Diego for RT4348: merge the PTs contributions in the RT4348 document
2. Action on Peter for RT4348: provide a description of the algorithm for the document
3. Action on Marian: sites closed or suspended for a fraction of the month. Forward the requirement to the ace component developers
4. Action on Paschalis - GRNET under-spent in TJRA1.2: discuss with GRNET management about that and report a solution to JRA1
5. Action on Alison: boost TJRA1.4 activity to recover the under-reporting
6. Action on Alison: put documentation about JRA1.4 activities on the wiki
7. Action on everybody: define a plan to fix big deviations on JRA1 reporting
8. Action on Diego: update effort excel document with PY3 data
9. Action on Emir: update JRA1 on ticket 194-195-196-197. Document NAGIOS probes for operational tools: business logic of the probe and when ok, warn, critical statuses are raised, how often the probe is being run
10. Action on everybody: update the wiki page [https://wiki.egi.eu/wiki/Operational\\_tools\\_testbed](https://wiki.egi.eu/wiki/Operational_tools_testbed)

11. Action on Emir: update ticket 4130
12. Action on everybody: RT4131. Priority increased. Complete the activity asap
13. Action on Diego: clarify RT4532 with SA1
14. Action on Ivan: RT4535. Add this needed info on the document for A/R requirement
15. Action on Marian: RT4643/45/46. Provide an entry-point of the doc to be checked
16. Action on Helmut: 4646/4647. GGUS will update when there will be news - discussion ongoing