**Operations Management Board (OMB)**

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| **Meeting:** | Operations Management Board |
| **Date and Time:** | 21 June 2011  |
| **Venue:** | EVO meeting |
| **Agenda:** | https://www.egi.eu/indico/conferenceDisplay.py?confId=432 |

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# Participants

|  |  |  |  |
| --- | --- | --- | --- |
| Name and Surname | Abbr. | Organisation | Membership[[1]](#footnote-1) |
| Andres Aeschlimann  |  | Switch, NGI\_CH | member |
| Torsten Antoni |  | KIT, NGI\_DE | member, TSA1.7, JRA1 |
| Jan Astalos |  | UI SAV, NGI\_SK | Member |
| Maite Barroso |  | CERN | Member |
| Goncalo Borges |  | LIP | Member |
| Jinny Chien |  | ASGC, Asia Pacific | Member |
| Mario David  |  | LIP, Ibergrid | Member, TSA1.3 |
| Hélène Cordier |  | NGI\_FRANCE | Member |
| Tiziana Ferrari  |  | EGI.eu | Chairman |
| Luciano Gaido  |  | INFN, IGI | Member |
| Vera Hansper  |  | CSC/NDGF, NGI\_NDGF | Member, TSA1.8 |
| Kostas Koumantaros  |  | GRNET | Member |
| Malgorzata Krakowian |  | ACC CYFRONET, NGI\_PL | Member, TSA1.7 COD |
| Mingchao Ma |  | STFC | TSA1.2 |
| Mats Nylen |  | NGI\_SE | Member |
| Marcin Radecki |  | CYFRONET, NGI\_PL | Member, TSA1.7 |
| Miroslav Ruda |  | NGI\_CZ | Member |
| Peter Solagna |  | EGI.eu | Minutes |
| Ulf Tigerstedt |  | CSC | TSA1.8 |
| Dimitris Zilaskos |  | AUTH | TSA1.8 |

# ACTION REVIEWS

|  |  |  |  |
| --- | --- | --- | --- |
| **3** | **Action Owner** | **Content** | **Status** |
|  |  |  |  |
| **Actions from the 21 June May OMB meeting** |
| **12.01** | T. Ferrari, D. Zilaskos | To contact the SAM team to request the inclusion of lcg-CE test results in EGI OPS availability statistics until April 2012 🡪 mail sent on the 29th of June to the CERN SAM team | CLOSED |
| **12.02** | T. Ferrari | To inform all Operations Centres about the policy to request the correction of metric results and availability/reliability statistics 🡪 mail sent to OMB on the 29th of June | CLOSED |
| **12.03** | T. Antoni | To assess within the NGI\_DE the number of sites interested in the support of SuSE | OPEN |
| **12.04** | M. David | To include an assessment of the status of error messages in the staged rollout report | OPEN |
| **12.05** | G. Borges | To produce a report on error messages of LCMAPS that need to be fixed, the information needs to be supplied in the relevant requirement RT ticket. | OPEN |
| **12.06** | M. David | To extend the Early Adopter report to include information about logging and error messages aspects of the product tested | OPEN |
| **12.07** | All NGIs | To provide comments to the top-BDII failover configuration best practice (<https://wiki.egi.eu/wiki/Proposal_for_TopBDII_High_Availability>) DEADLINE: 25 July | OPEN |
| **12.08** | T. Ferrari | To submit the top-BDII failover configuration best practice to EMI for revision 🡪 mail sent to L. Filed on the 06th of July  | CLOSED |
| **12.09** | T. Ferrari | To assign documents ready for revision to the respective reviewers | OPEN |
| **12.10** | All NGIs | To contact the respective site administrators about relevant topics to be discussed at the site managers workshop organized at the EGI Technical Forum | OPEN |
| **Actions from 17 May OMB meeting** |
| **11.01** | L. Gaido | To collect more information about the services for which more documentation should be provided and supply it in ticket 1388 🡪 review of missing documentation on load-balancing and migration of stateful services provided in ticket https://rt.egi.eu/rt/Ticket/Display.html?id=1388 | CLOSED |
| **11.05** | Operations Managers  | DECISION. * All sites that became CANDIDATE during 2010 must complete their certification process or be switched to CLOSED
* All sites that became UNCERTIFIED during 2010 or earlier and are NOT part of a local infrastructure (not integrated into EGI), need to finish their certification or to be CLOSED
* All sites that became SUSPENDED during 2010 must be re-certified or CLOSED.

DEADLINE: June 17 2011 | IN PROGRESS |
| **11.07** | T. Ferrari | To create a EGI Operations Glossary 🡪 a draft Glossary was produced in collaboration with the Policy Development Team, it will be distributed for comments soon and it can be consulted at: <https://wiki.egi.eu/wiki/Glossary>  | CLOSED |
| **11.08** | NGIs supporting GLOBUS | To specify the timeline for the integration of own GLOBUS resources into EGI 🡪 NGI\_NL will install GLOBUS according to the timelines for the decommissioning of the GRAM capabilities of lcg-ce, NGI\_HR will install GLOBUS but initially only on local resources (not part of EMI). NGI\_DE is in the process of registering GT5 resources in GOCDB. No feedback from Romania. | CLOSED |
| **Actions from 14 April OMB meeting** |
| **10.01** | All EA teams | Answer about the availability to test EMI-1 components 🡪 All components planned for UMD 1.0 have EA sites with the exception of LFC (oracle) and UNICORE WS 6.4.0. Investigations ongoing (<https://www.egi.eu/earlyAdopters/teams>) 🡪 update on status of staged rollout for EMI provided at the June OMB | CLOSED |
| **10.04** | K. Koumantaros | Provide a proposal to reduce the load of top-BDIIs, reducing the information published | IN PROGRESS |
| **10.05** | All NGIs | If HA is in place, provide documentation on the deployed solution. Otherwise provide information about topology of the service: what site points to which BDII 🡪 NGI are invited to participate to the top-BDII survey (<http://www.zoomerang.com/Survey/WEB22CFA95837Z/>) | IN PROGRESS |
| **Actions from Oct 2010 OMB meeting** |
| **Action 3.** | TF | to update as necessary the procedure to retire middleware components (<https://edms.cern.ch/document/985325>). <https://rt.egi.eu/rt/Ticket/Display.html?id=347>  | Open |
| Note: Actions from previous meetings are closed. |

# Introduction

T. Ferrari requests the OMB to provide feedback about two milestones (MS409 and MS508) that described the software provisioning and deployment processes of EGI. Input from the NGIs is important to ensure that the processes are effective, open and effectively support communication with the technology providers in addition to satisfying the requirements of the Resource Centres and operations community.

REMINDERS. All NGIs are requested to participate to the top-BDII configuration survey and to the batch systems survey for the site administrators (see links in the agenda).

# Security Service Challenge 5 and SA1.2 Update

M. Ma describes the purpose and implementation of the Security Service Challenge 5 (see slides). In SSC5 40 different sites supporting the ATLAS VO were involved. 4 sites have been selected from large NGIs and 1-2 sites from smaller ones. The scale of SSC5 is unprecedented and existing SSC processes have been streamlined in order to cope with the information flow involved in the running of SSC5 at this scale. An incident was simulated concerning the usage of a compromised user certificate. A dedicated ATLAS PANDA framework was used to simulate the incident, it was setup on purpose to challenge the selected sites. VO membership revocation is not a sufficient measure to circumvent the problem as voms proxy certificates can have a life time of many hours (e.g. 96 hours) according to the choice of the VO (a policy is probably needed to regulate this). In addition, according to the existing CA policies a compromised user certificate cannot be revoked.

In SSC5 forensics are not requested, the focus is on the capability to contain the incident. G. Borges: the origin of a job when submitted through a pilot framework is very complex to track. M. Ma: this is correct. In order to track job origin information needs to be provided by the affected VO.

Procedures have been streamlined by automating several steps and the processing of SSC5 results is still in progress.

A questionnaire will be distributed to participating sites to collect feedback about the tools used during SSC5 and other aspects of the challenge.

A high risk vulnerability issue affecting Torque server authorization to submit jobs, was identified and advisories were distributed. The capability to monitor the impact of this vulnerability is just limited to those sites where the Torque server is installed on the CE server (and hence discoverable by extracting information from top-BDII). Several sites are already implementing the advisory. Sites that will fail to adopt protective measures will be contacted by the EGI CSIRT in the coming days. As this issue was not classified CRITICAL, no deadline of 7 days to fix applies.

Daniel Kouril will prepare a proposal for an enhanced security monitoring framework aiming at the monitoring the whole infrastructure. The proposal will be submitted to the OMB for comments.

# ACE and EGI Availability Reporting System

D. Zilaskos updates the OMB about recent validation tests carried out by WLCG to compare the availability statistics currently computed by GridView and those computed by the Availability Computation Engine (ACE) that will replace GridView in the future. Different availability profiles were compared to assess the impact of the introduction of CREAM test results in the availability computation.

For May 2011 two reports were distributed by EGI (with GridView and with ACE) for the sake of comparison.

With the introduction of CREAM tests in ACE reports, sites only deploying CREAM may experience lower availability in case of CREAM failing tests as in GridView legacy reports CREAM test results are not taken into account. On the other hand, sites deploying CREAM and other CE implementations at the same time can only experience higher availability in ACE reports, as CREAM, ARC and lcg-CE test results are OR-ed.

**DECISION. The OMB approves the replacement of GridView availability reports with the new ACE availability reports**.

The OMB discusses the role of lcg-CE in availability computations. Currently more than 170 instances of lcg-CE are deployed.

**DECISION. The OMB approves that lcg-CE test results are included in availability monthly reports until the end of security support of lcg-CE (April 2012).**

**Action (T. Ferrari, D. Zilaskos) to contact the SAM team to request the inclusion of lcg-CE test results in EGI OPS availability statistics until April 2012.**

H. Cordier: the availability statistics of IN2P3 need to be recomputed (<https://ggus.eu/ws/ticket_info.php?ticket=71644>). Following to this, a new availability report was made available (<https://documents.egi.eu/document/593>).

H. Cordier: is the WLCG policy for the re-computation of monitoring results and availability/reliability statistics also valid in EGI (https://tomtools.cern.ch/confluence/display/SAM/Availability+Re-computation+Policy)? T. Ferrari: the OMB will be requested to provide feedback in case the policy is not felt to be suitable.

**Action (T. Ferrari) to inform all NGIs about the policy for the re-computation of metric results and availability/reliability statistics and to collect feedback**.

# Review of new middleware requirements

P. Solagna presents the latest new middleware requirements submitted.

* [Support of SRM v1](https://rt.egi.eu/rt/Ticket/Display.html?id=1673): request to declare SRM v1 obsoleted and to stop its support in DPM 🡪 requirement approved
* [Align information provided by CE implementations](https://rt.egi.eu/rt/Ticket/Display.html?id=2200): a common set of information should be published by all CE implementations. The requirement is accepted but is not passed on to the TCB right now, as more information is needed to define the set of minimum information requested.
* [Lack of clear error message](https://rt.egi.eu/rt/Ticket/Display.html?id=1983)s: the requirement should be more specific to define which services are mostly affected by the problem. G. Borges: The Authorization and Authentication services like LCMAPS are the most used in all the middleware services, and most of the users problems are related to authentication. **Action (G. Borges) to produce a report on error messages of LCMAPS**. All NGIs are requested to submit GGUS ticket of any error message that needs to be improved. M. David suggest that format and comprehensiveness of error messages and logging can be more easily tracked during Staged Rollout instead of running a survey. The OMB agrees to include logging and error messages in the report to be submitted by Early Adopters. **Action (M. David): to extend the Early Adopter report to include information about logging and error messages aspects of the product tested**. 🡪 the requirement is accepted narrowing down the scope to LCMAPS to start with
* [Support of SuSE Linux (SLES 11](https://rt.egi.eu/rt/Ticket/Display.html?id=2267)): a survey about requested operating systems to be supported by the technology providers in January 2011 didn’t identify SuSE as one of the most popular systems. NGI\_DE is requested to run an internal survey to assess the number of local sites interested in this. **Action (T. Antoni)** 🡪 the requirement is on hold waiting for more input
* [Services should be located under /etc/rc\*.d and services have standard
return values when displaying it status](https://rt.egi.eu/rt/Ticket/Display.html?id=2274): M. David reports that according to what seen in validation and staged rollout EMI 1.0 services already comply to this. The OMB decides to close the ticket. A GGUS ticket should be opened to report a bug to EMI in case of non-compliance.
* [Support of high availability](https://rt.egi.eu/rt/Ticket/Display.html?id=2278): this is requested for CREAM and WMS (CREAM has higher priority), the MyProxy HA system has limitations and should be load-balanced with NFS. The requirement of MyProxy is accepted and will be passed to IGE, the project is responsible of supporting it. WMS provides fault tolerance at the client side 🡪 the requirement is accepted for CREAM and MyProxy.
* [Support of load balancing](https://rt.egi.eu/rt/Ticket/Display.html?id=2279): requested for CREAM (higher priority), WMS and FTS. WMS provides a full load balancing solution based on DNS or WMSMonitor (still based on DNS, but capable of removing proactively instances from the cluster according to status information gathered currently with SNMP and in the future with ActiveMQ) 🡪 the requirement is accepted for CREAM and FTS, not accepted for WMS as the feature is already available.
* [Support of LSF](https://rt.egi.eu/rt/Ticket/Display.html?id=2280): the support of batch systems in EMI (SGE, LSF, PBS) is currently a best-effort activity delivered by CESGA/IFCA/LIP, CERN and NIKHEF respectively. The EMI project has been already warned during past TCB meetings about the importance of batch system support. This request will be re-iterated at the next TCB, including information on the deployment status of batch systems in EGI (results of the survey about deployed batch systems are available on the EGI wiki[[2]](#footnote-2)).

# UMD 1.0: status and release schedule

M. David provides an overview of the software provisioning status in preparation to the release of UMD 1.0 (see slides).

* dCache is scheduled later on for UMD 1.1 (verification not started yet).
* CREAM 1.13.1 fixes several bugs (savannah bug 82567 about infinite loop in ARGUS integration, and it will be available in EMI Update 2 – to be released on June 23rd. CEMON will fix the related bug (savannah bug 83092).
* WMS and MPI were both rejected.
* UNICORE Registry was rejected as the wrong metapackage was indicated in the release.xml file (no functionality issues were identified however), this problem will be likely fixed before the release of UMD 1.0.

**DECISION. The OMB agrees to postpone the release date of UMD 1.0 to the 11th of July in order to allow more time to tune the software provisioning and prepare the release, to see if some other EMI updates can be included.**

# gLite 3.2 support policy

T. Ferrari illustrates the gLite 3.2 support policy of EMI. If a gLite 3.2 service is stable no updates will be released unless they are related to security or critical fixes. Because of this the recommendation to all NGIs and site managers is to carefully set the “priority” field of GGUS tickets when reporting about a bug to be fixed to properly reflect its criticality and impact.

All NGIs are requested to notify the OMB about requested bug fixes that should be fixed in gLite 3.2, and to inform their site administrators about this policy.

# Top-BDII HA configuration

G. Borges presents the best practice provided by IberGrid and IGI (DMSU) about recommended top-BDII failover configurations (<https://wiki.egi.eu/wiki/Proposal_for_TopBDII_High_Availability>). All NGIs are requested to check the document and integrate as needed by July 25 (action on all NGIs).

Action (T. Ferrari): to submit the best practice to EMI for revision.

# Update on Documentation Workshop

V. Hansper provides an update on the work accomplished during the EGI documentation workshop hosted by SWITCH (Zurich) on the 14th-16th of June. Vera updates the OMB on the status of operations manuals. The procedure manuals revision progress is discussed. A list of documents ready for revision will be circulated after the meeting.

**Decision. The operations manuals will be reviewed every 6 months by panels of NGI operations staff**.

**Action (T. Ferrari): to assign documents ready for revision to the respective reviewers**.

GOCWIKI will be closed at the end of September. All NGIs are requested to provide information on relevant pages that should be migrated to the EGI wiki by then.

From July 2011 Vera Hansper will be replaced by Ulf Tigerstedt in her function of coordinator of EGI SA1 documentation activities. The OMB warmly thanks Vera for her contribution during PY1 of the project, and welcomes Ulf.

# AOB

* call for topics for the Site Managers Workshop at the EGI Technical Forum: a site managers workshop will be held during the week of the EGI Technical Forum to hear directly from site managers about relevant operational issues. **Action (all NGIs): to contact the respective site administrators about topics for discussion at the workshop**.
* Handover of Nagios probe maintenance to EMI and IGE (<https://wiki.egi.eu/wiki/EMI_Nagios_probes>): this activity is currently in progress. No product team was identified by EMI willing to maintain WN tests. This will be a topic for discussion at the next OTAG.
* Reminder: NGIs are invited to express their interest in the participation to EMI software preview activities and large scale testing activities (http://www.doodle.com/2agdi9892qs475qh)

# NEXT Meeting

26 July 10:00

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1. Member, Observer, in Attendance [↑](#footnote-ref-1)
2. The results of the survey were discussed during the Operations meeting on July 04 (https://wiki.egi.eu/wiki/Agenda-04-07-2011) [↑](#footnote-ref-2)