

SA1 Survey 2011 Jan 18 This survey includes four sections regarding the following capabilities: Logging and Bookkeeping (PART 1), Remote Grid Service Management (PART 2), Grid service auditing (PART 3), gLite-cluster for publication of information on m

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SA1 Survey 2011 Jan 18This survey includes four sections regarding the following capabilities: Logging and Bookkeeping (PART 1), Remote Grid Service Management (PART 2), Grid service auditing (PART 3), gLite-cluster for publication of information on multiple site cluster (PART 4).Part 1: Logging and Bookkeeping (LB) Service (<http://egee.cesnet.cz/cs/JRA1/LB/>) it is a monitoring service which gathers, aggregates and archives information on infrastructure behaviour from the perspective of users' tasks. EMI project aims at extending the LB scope and its further integration with other grid services. The LB survey contains questions to help the LB Team to better design the new features of the LB Service, and to target the real users' needs.Part 2 is about Remote Grid Service Management (RGSM). Management is performed through a set of notifications issued to the relevant Grid service instance. Examples of management actions are: start, stop, drain etc. The RGSM framework can be used for remote management of a service.EMI has a dedicated task force (<https://twiki.cern.ch/twiki/bin/view/EMI/EmiJra1T5TaskForceServiceManagement>) created to investigate the requirements for common service monitoring and management interfaces. Part 2 of the survey is to collect information and requirements from the EGI operations community and sites to understand which technologies are of interest for service management.Part 3: Grid service auditing (GSA) is a feature that allows a system administrators and users to check the status of a service in terms of load, length of internal queues, and to monitor service workload from a grid point of view over time. Service auditing is different from Nagios-based monitoring as it is not based on probes, but rather on the periodic gathering of service status information.Part 4: gLite cluster (gC) allows the publication of GLUE information specific for each homogeneous sub-cluster of worker nodes. It is useful for sites deploying heterogeneous sets of worker nodes for a more accurate publication of installed capacity. Find more information about gLite-Cluster, here: <https://documents.egi.eu/document/308> gLite-CLUSTER is not currently supported by CREAM-CE, but only by lcg-CE

Page 1 - Question 1 - Open Ended - One Line

Your NGI/EIRO name

Page 1 - Question 2 - Open Ended - One Line

Do you need more platforms to be supported by EMI software, in addition to those already in use (SL5)?

Page 1 - Question 3 - Choice - Multiple Answers (Bullets)

Part One, Logging and Bookkeeping(Questions from 3 to 10)LB: Which services should be watched in the grid in addition to gLite WMS and CREAM, that are already supported by LB?

- ARC CE
- UNICORE CE
- Data Transfer
- SRM Operations
- Other, please specify:

LB: What aggregated information would be useful (e.g. average queue traversal time, task failure rate etc.)?

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LB: And at what level of aggregation (referring to the previous question)?

- Per User
 - Per VO
 - Per service instance
 - Other, please specify:
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LB: Would you leverage capturing dependencies among the tracked entities (e.g. to know that a computational jobs are blocked by failing transfers of their inputs, and to be able to discover details immediately)?

- Yes
 - No
 - If YES, What types of dependencies (besides current DAGs and job collections)?
-

LB: What is the desired level of complexity of the queries on the service?

- Simple, like: "all tasks on this CE", "this user's tasks within a given time interval".
 - More sophisticated, but through current LB querying language.
 - Full SQL/XQuery power on the task data.
 - Intermediate, describe here.
-

LB: What are the output formats to be supported

- Glue-conforming WS interface
 - Simple key=value text format
 - JSON
 - Human readable HTML
 - Other, please specify
-

LB: What modes of retrieving information are foreseen ?

- Synchronous (query-response)
- Asynchronous (subscribe for notification, eventually via message bus)

LB: For how long data about the task should be kept?

- One day
- One week
- One month
- One year or more

Part two, Remote Grid Service Management
(questions from 11 to 20)

RGSM: Do any of your Grid services come with capabilities to react certain conditions by adapting their behaviour?

- Yes
- No
- If YES, specify:

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RGSM: According to your day-to-day experience, please describe typical service management scenarios. How is management performed?

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RGSM: Are there any management commands that can be performed on your Grid services that go beyond specific business logic (e.g. purge persistent data)?

- Yes
- No
- If yes, describe service and needed commands.

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RGSM: What are the limits of your Grid service management capabilities? Is there a gap between the capabilities offered and your Grid service management needs?

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RGSM: Please list the 5 management commands you would need the most in your setup (e.g. start/stop services, deploy/un-deploy service, purge service data, dynamically change access rights..).

- 1)
- 2)
- 3)

- ✎ 4)
- ✎ 5)

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Page 1 - Question 16 - Open Ended - One Line

RGSM: Which of those 5 management commands apply to all of your Grid services?

Page 1 - Question 17 - Open Ended - One Line

RGSM: Out of your day-by-day experience, how many services do you really need to manage remotely?

Page 1 - Question 18 - Choice - One Answer (Bullets)

RGSM: are you capable of (un)deploy Grid services at runtime?

- Yes
- No, but I would need it.
- No, and I don't need it.

Page 1 - Question 19 - Yes or No

RGSM: If you're deploying stateful Grid services in a site: does the Grid service interface support Grid service state deletion?

- Yes
- No

Page 1 - Question 20 - Choice - One Answer (Bullets)

RGSM: What kind of setup would you prefer for remotely managing your Grid services?

- Dedicated: service management interfaces on each Grid service
- Decoupled: services get their commands from a messaging solution they register to
- Both

Page 1 - Question 21 - Open Ended - One Line

Part three, Grid Service Auditing
(questions from 21 to 26).
GSA: What kind of data are you already collecting about your Grid services and how are you doing it?

Page 1 - Question 22 - Open Ended - One or More Lines with Prompt

GSA: For which services auditing of service status is important?(service status: workload, queue status, etc..)

- ✎ 1)
- ✎ 2)
- ✎ 3)
- ✎ 4)
- ✎ 5)

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GSA: For each service above, which data is mainly useful?

- 1)
- 2)
- 3)
- 4)
- 5)

GSA: For each service above, which data is mainly useful?

- 1)
- 2)
- 3)
- 4)
- 5)

GSA: Are the current service auditing capabilities sufficient, or should this be improved?

- Yes
- No
- If YES, suggestions:

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GSA: Should status data be automatically archived?

- Yes
- No

Part four, glite-CLUSTER (questions from 27 to 29).

gC: How many sites in your NGI/EIRO have heterogeneous clusters, or multiple sub clusters (disjoint sets of workernodes, each set having sufficiently homogeneous properties), or multiple CEs?

- 0
- Up to 5
- More than 5

gC: How many of those sites reported difficulties in configuring their CEs, in order to properly publish their site capacity?

- 0
- Up to 5
- More than 5

cG: Given that gLite-CLUSTER is released only for lgc-CE, how many sites in your NGI/EIRO are interested in using the gLite-CLUSTER capability?

- 0
- Up to 5
- More than 5

Thank You Page

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Screen Out Page

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Over Quota Page

Standard

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