

## SAM REVIEW: OUTCOME AND ACTIONS

(no priority order)

From the questions/comments to the SAM presentations:

1. Prepare Gridview client to be included in a release and deployed in production in all relevant services (RBs, SRMs). Action on Maite to follow up with Gridview and Oliver.
2. Refine SE and SRM tests to reflect real usage. Piotr/James
3. Get in contact with Gridice to get WMS/RB sensors. Include f. Saher in the loop (he seems to be coordinating this activity) Piotr/James
4. Build a list of needed sensors out of the existing ones (form SAM, Nagios, Gridice). James
5. Move Gstat checks (accessibility and reliability of BDIIS) to BDII itself. Laurence.
6. Include in a release the new version of the job wrapper tests (without R-GMA) so it is deployed in production. Piotr.
7. Collect requirements for basic set of queries and views from sites, WLCG, EGEE, etc so they can be made available via gridview and programmatic interface. Piotr?
8. Document the present logic for site availability calculation and start the procedure to review it so it makes sense for all services. Maite
9. Request and implement CLI to insert downtimes. Pass request to GOCDB and BDII teams?

From the site representatives presentation (same numbering):

### SAM CORE/TESTS

1. Some SAM failures are due to SAM, or rather not to the site:
  - a. Clarify that these failures are not caused by SAM itself, but by the dependencies between services
  - b. SAM plans to implement dependency handling between services in the sensors to solve this
2. In evaluating site metrics, failures due to SAM problems should be removed
  - a. The staus “unknown” is planned and will be implemented
3. **ReadOnly DB Access / API to retrieve SAM data/ Interface with local monitoring.**
  - a. James will present the Monitoring WG proposal on this at the operations workshop
4. **On demand notifications**
  - a. Solved in the new monitoring framework (monitoring WG) where test results and alarms are pushed to the sites and it is up to them to use them in their own fabric monitoring
5. **New functionality sensors**
  - a. On the way. REMINDER THAT SENSORS ARE A COMMUNITY EFFORT AND ANYBODY CAN CONTRIBUTE
6. **Too much CPU occupation**

- a. SAM has no control of this; SAM jobs are normal jobs for the RB; there is already a timeout mechanism inside the SAM job; it sounds as a site problem.
- 7. **Single test submission**
  - a. This is not provided by SAM at the moment, and as it does not have many votes, it is considered low priority
- 8. **Finer grain representation for failing tests.**
  - a. Sites manager can launch the tests immediately after the problem is fixed so the downtime is reduced to the minimum
- 9. **Do not base metrics only on OPS TEST**
  - a. This point needs to be addressed in the coming months.
- 10. **Falsification of results worries**
  - a. Will be addressed in the long term by tracking the identity (no authorization)
- 11. **Improve support for local installations of SAM**
  - a. Support for Oracle express provided. No effort for porting to MySQL in SAM team. Community effort welcome.
- 12. **Doc improvements**
  - a. **Documentation improvement is presently ongoing:** <http://sam-docs.web.cern.ch/sam-docs/>
- 13. **Brokerinfo test**
  - a. Bug fix under certification
- 14. **SRM Tests independent from external services**
  - a. Known issue, Already included in the plan
- 15. **How SAM deals with the case where an SE is full of experiment data**
  - a. Open question: the SAM team will investigate and make a proposal
- 16. **SAM should avoid "babysitting" tests**
  - a. Agreed

## SAM RESULT VISUALIZATION

- 1. **A site overall view**
  - a. Being implemented by Gridview
- 2. **The "new" pastel colors are hardly visible**
  - a. Changed in gridview displays
- 3. **Support for more generic filtering of sites (e.g. regexp).**
  - a. Proposal: Add per ROC view, with a selection box including all sites in the ROC; and/or make all data available (e.g. dump to excel tables) so sites can be selected there
- 4. **The default page layout is quite inefficient**
  - a. Solved in gridview
- 5. **The columns displayed could be more configurable**
  - a. Solved in gridview
- 6. **SAM interface is slow**
  - a. Ideas to make it faster being discussed
- 7. **Show only failed tests**
  - a. Good idea, will be included in the visualization area plan
- 8. **Show Site FCR status**

- a. This is already possible: DOCUMENT HOW TO DO IT (we miss FCR documentation in general)
- 9. Hint for problems solution.**
  - a. This is already available through the GOC wiki; associate this link with SAM and with each of the tests.
- 10. Timestamps are confusing**
  - a. This will be solved with gridview displays
- 11. The use of downtimes from GOCDB is not consistent**
  - a. Ongoing work to solve it
- 12. Non secure http page for test results**
  - a. In SAM you need a certificate (any); in gridview no need for a certificate. Investigate how to proceed here.

#### SAM ADMIN

(not discussed, pass all feedback to the SAM Admin team)

#### GRIDVIEW

- 1. Improve abbreviated site names in GridView**
  - a. No easy way to do this, as the long site names do not fit into the graphs (requirement so the graphs are self contained). Proposal to add a new field in GOCDB, site abbreviation, with only 6 characters.
- 2. Data retrieved from SAM and GridView is not always consistent**
  - a. This is now fixed
- 3. Check central services status: use a grey color for their inefficiencies**
  - a. This will be implemented in gridview
- 4. Add numbers to the plot**
  - a. Agreed
- 5. Reduce the 10% discretization in plots**
  - a. Agreed