

# GridPP

UK Computing for Particle Physics

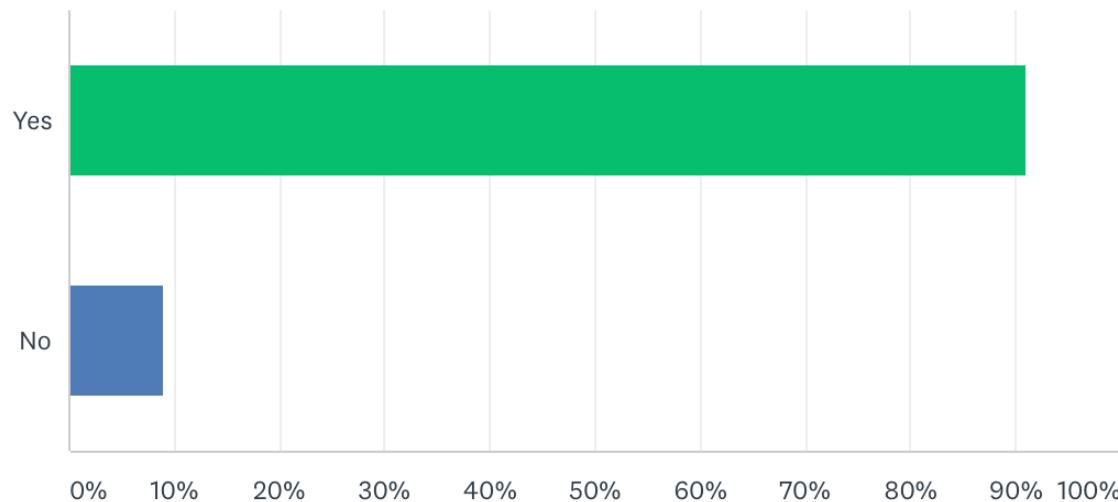
## SAM tests – snap survey from UK

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## Do you actively refer to the LHC experiment SAM tests?

Answered: 11 Skipped: 0



If so, how do you access them?

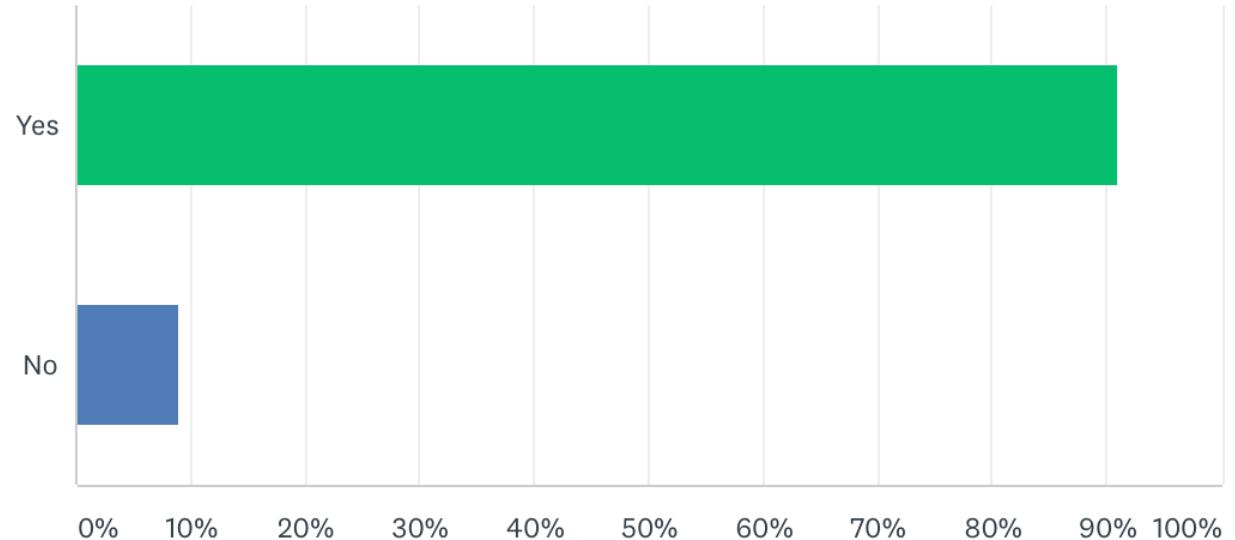
- Web pages/dashboard 7
- Nagios 7
- API 3

Comments:

- The history is important, as is being able to compare with comparable sites
- Hard to get details from dashboard
- Nagios used for most up-to-date view

## Do you follow up on your site status via non-SAM test pages?

Answered: 11    Skipped: 0

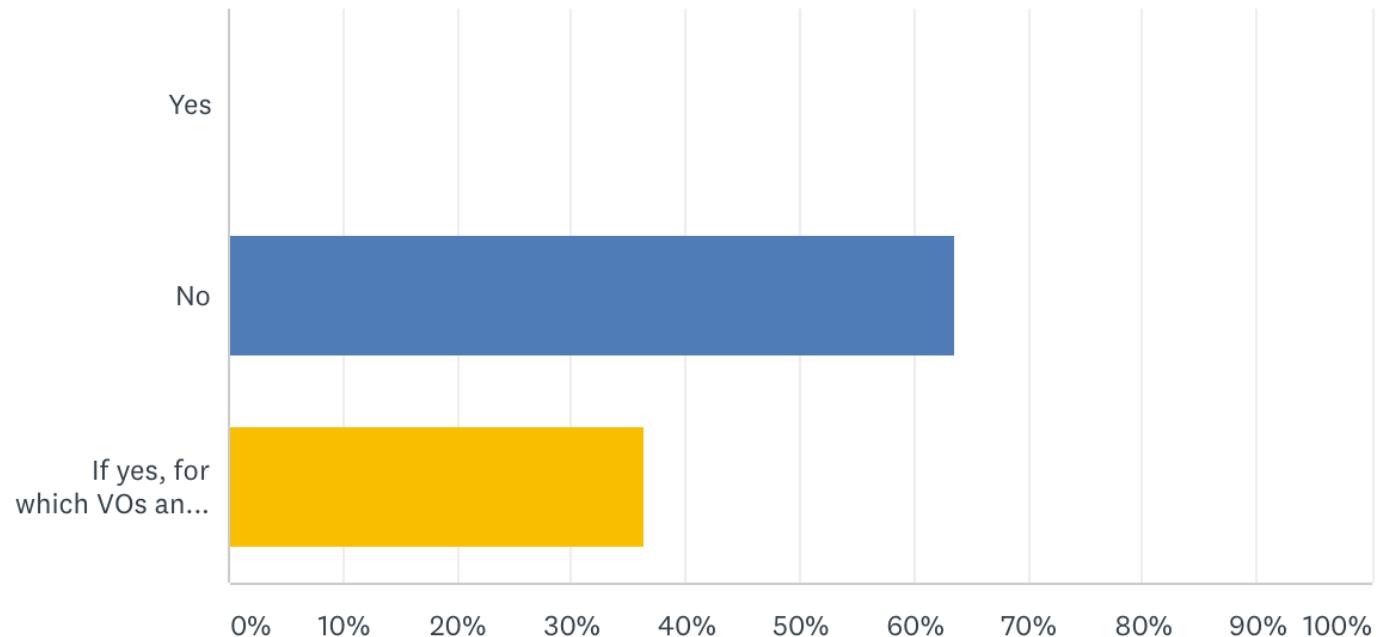


By what route(s)?

- ARGO
- ALICE disk storage pages
- ATLAS BigPanda (Hammercloud results)
- CMS job summary pages (Hammercloud results)
- LHCb monitoring
- Internal monitoring/site Nagios
- Security dashboard
- GridPP DIRAC Nagios

## Do you rely on SAM results for any non-LHC VOs?

Answered: 11 Skipped: 0



If yes, for which VOs and via what link(s)?

- Gridpp, skateloscope, northgrid (<https://www.grid.ac.uk/gridpp-dirac-sam>)
- Ops

## How would you like to see site availability/ reliability monitoring evolve?

1. I need something to make sure that the site is configured for the VO correctly and that can be run on demand
2. It would be nice to have everything collected in one place that can be queried with a REST-ful interface (or a pointer to this if it exists!).
3. The present SAM infrastructure is important. An evolution would be in the directions of having more analytics. Either through ELK or through an improvement and clarification of the API that would enable me to use, for example, data analysis written in R.
4. All LHC VOs monitored on a single page
5. Would prefer to continue to use them as a central test resource. Otherwise we have to check multiple experiment specific test pages.
6. Happy with the SAM tests generated reports
7. The actual monitoring probes (used by Nagios) need to be maintained and updated. As an example we have a problem with one of the tests against Echo. Use quite a few features of current system.
8. I'd like KISS principle applied as much as possible. And automated notifications with sensible messages.
9. How useful is dynamic availability/reliability monitoring? It doesn't tell me what the problem is. It seems to me just to add to the morass of tools.
10. Something lightweight and accurate (annoying that argo-mon and argo-mon2 often display different results).
11. Being able to see things from the experiment's perspective is useful. Often the SAM tests can report one thing and the experiment(s) see something completely different. Also seeing exactly what processes the tests run and detailed/debug output would be useful.

- We like to keep the Nagios style tests because we'd like to integrate them into our own Nagios server reports at some point to have all the tests results accessible in one place.
- A single web page, kept properly up to date (and no marking it obsolete without a pointer to the replacement) with a summary of the recommended tools would be very useful. I have about 100 grid monitoring bookmarks, half of which are dead or dying and it is a nightmare to try to keep on top of this (especially for a small site).

## Process

- Reports are circulated to the GridPP community almost immediately after being released by WLCG.
- The Tier-1 has been reporting directly to WLCG management on performance.
- The Tier-2 results are reviewed. Any oddities or results below 90% are called out in a community email list and sites asked to provide an explanation.
- The results and explanations are presented on a monthly basis to the GridPP Project Management Board and generally appear in the GridPP bulletin.
- Issues are regularly followed up.

## Comments

- The reports generally point to a genuine issue that it is useful to identify. On occasion they generate feedback to the experiments regarding their tests.
- There has been a noticeable growing response from sites that regardless of the reported SAM results in the report, they have been performing without issue for the experiment.