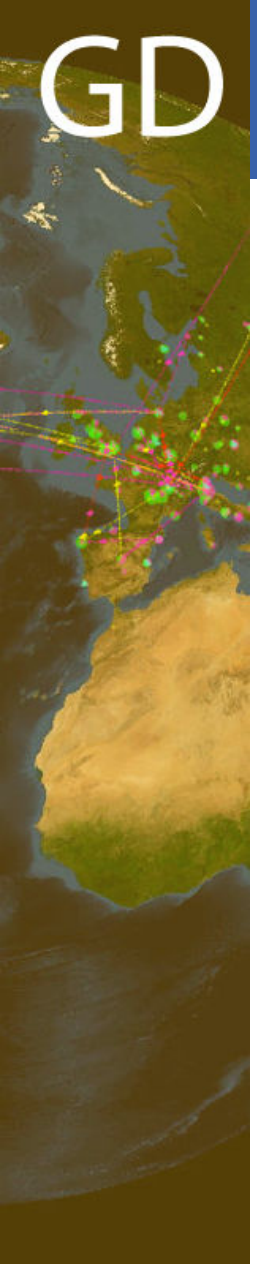

SAM - running tests for the experiments

How this will run when the OPS tests are distributed to NGIs?

J.Shade /CERN

There are several questions:

1. How to migrate existing VO SAM tests?
2. From where will the tests be run?

- Nb. the central SAM monitoring infrastructure is being migrated to a distributed framework based on Nagios

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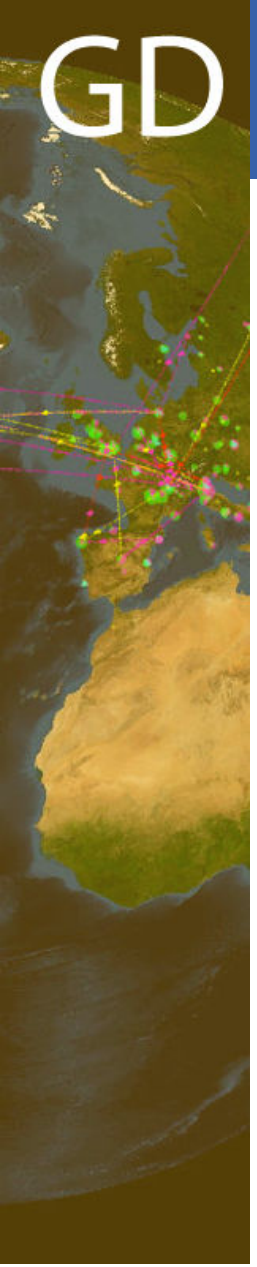
Migrating existing VO SAM tests



- Wrapper script exists to take simple SAM tests and run them under Nagios.
- Tools developed to make porting more complex tests easy.
- All this is documented in a Twiki:
  - https://twiki.cern.ch/twiki/bin/view/LCG/SAMToNagios
  - https://twiki.cern.ch/twiki/bin/view/LCG/SAMProbesMetrics
- Hands-on tutorials for representatives from the four HEP experiments
- For remaining questions, they know where we are!☺

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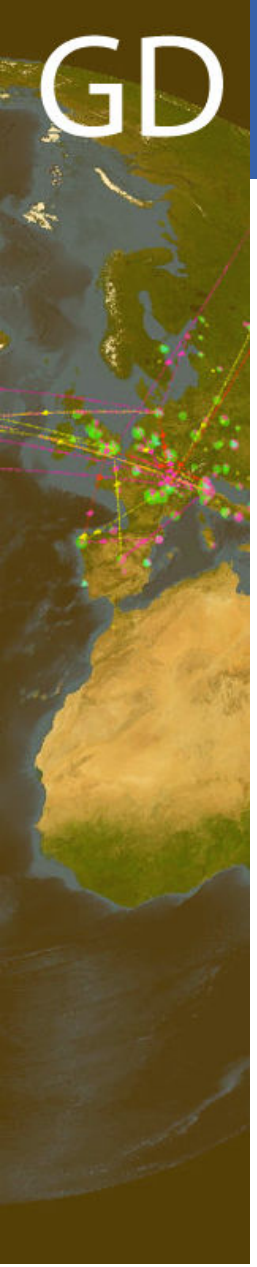
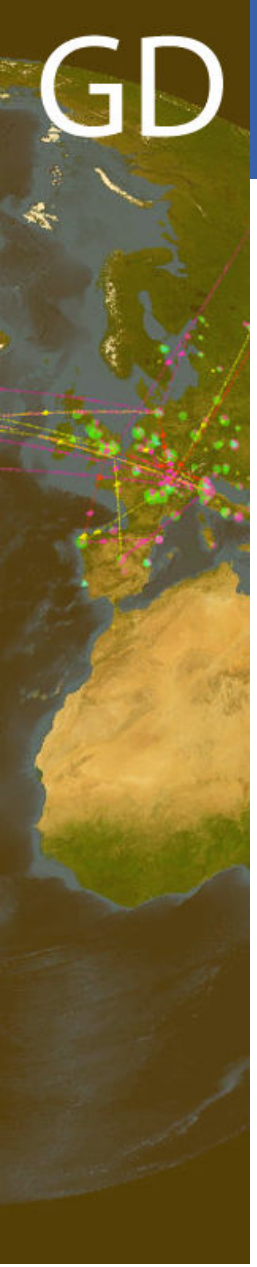


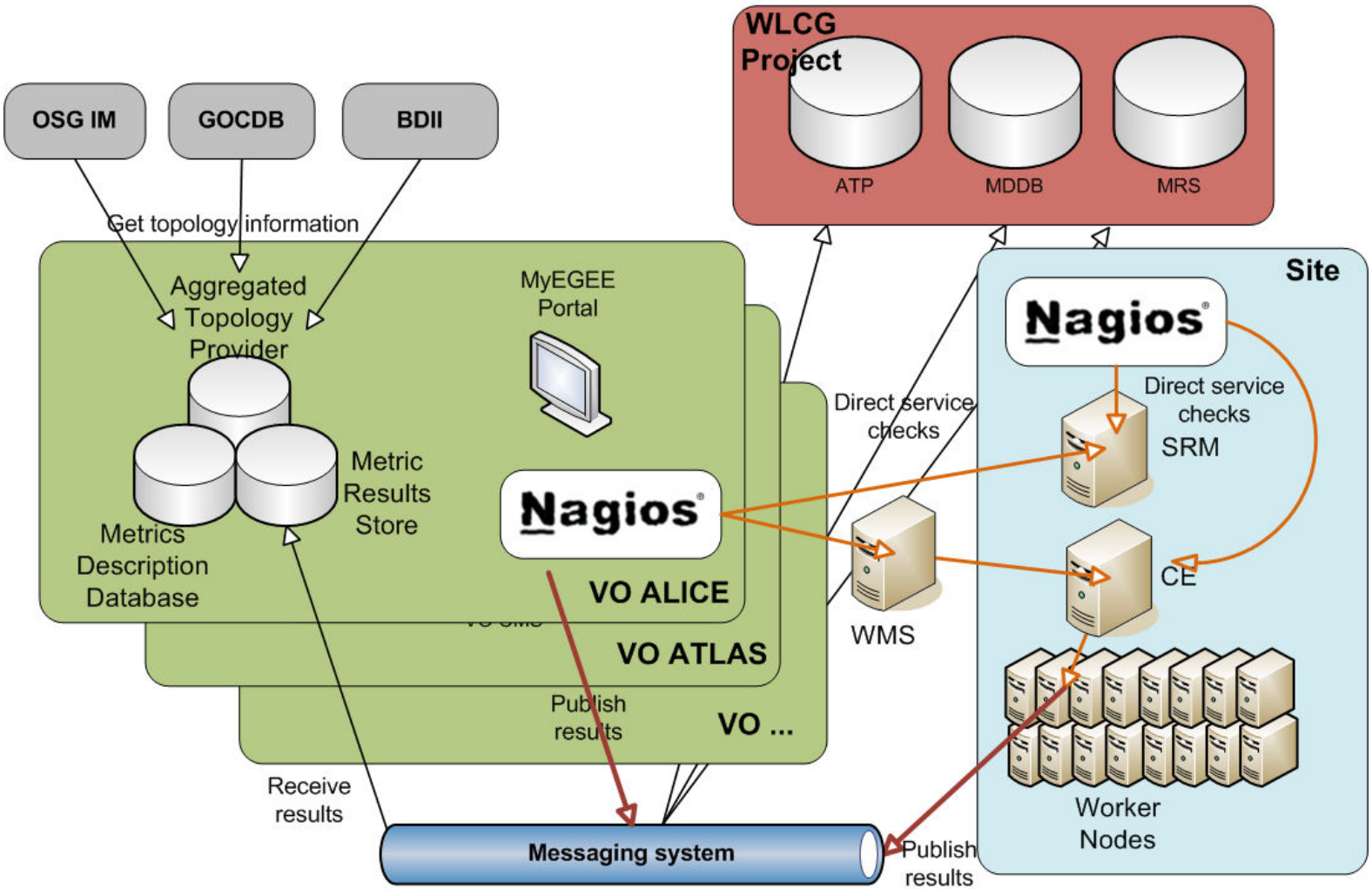
Where will the tests be run?

- Somewhat unclear until recently
- SAM team will run (configure & maintain) one Nagios instance per HEP VO at CERN.
- The hardware has been allocated (mid-range servers with redundancy features), and we are building the necessary Quattor templates
- VOs will continue to work on developing their experiment-specific tests



- Each server will host an instance of the new components:
  - Metric Results Store
  - Aggregated Topology Provider
  - Metric Description Database
- Each experiment will be able to do its own (multiple) availability calculations, but it is anticipated that test results will be also be collected in a WLCG project database (using the Message Bus allows multiple consumers of the same message).

Grid Deployment



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