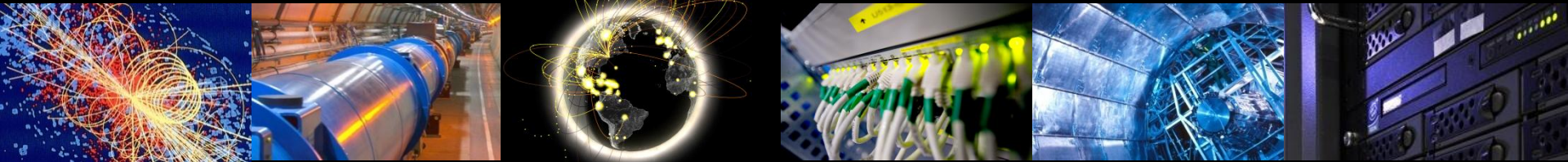# Monitoring the BDII

Information System meeting with users

4th December 2012

Introduction

- No specific effort dedicated to monitoring the quality of the published information
- We want to change this for GLUE 2
- glue-validator already in place
    - Existing checks
        - Object Class
        - Mandatory attribute
        - Singled-valued
        - Data types
    - It needs to be extended

What it is monitored now

- gstat-sanity-check runs against the site BDII
  - It checks all the services published in the site BDII:

    gstat-validate-sanity-check -H "site-bdii-hostname" -t 120 -b Mds-Vo-Name=site-name,o=Grid -p 2170 –n

  - Only few attributes are checked per objectClass
  - Two types of errors: ERROR or INFO
    - If ERROR -> Notification is sent to the EGI COD dashboard

      https://forge.in2p3.fr/projects/opsportaluser/wiki/Operations_Dashboard
      https://edms.cern.ch/file/1015741/3/dashboardHOWTO.pdf

    - From the EGI COD dashboard, GGUS tickets can be created

glue-validator improvements

- Using the EGI profile for GLUE 2
  - http://go.egi.eu/glue2-profile
- One test per attribute
- Raise different types of errors
  - Info, Warning, Error, Fatal
- Allow for the possibility of implementing different profiles

Integration with SAM/Nagios

- Retire gstat-sanity-check and focus on improving glue-validator

- Replace gstat-sanity-check with glue-validator in SAM/Nagios

- Decide what it is a critical error based on the EGI profile for GLUE 2

- Understand with EGI operations what actions should be taken when these critical errors are raised

WLCG
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LHCb use case

- LHCb would like to automatically open GGUS tickets to sites who publish:
  - GlueCEPolicyAssignedJobSlots=999999999
  - GlueHostBenchmarkSI00=0
- How can we automate this?
  - Since this is Glue 1.3 -> Update gstat-sanity-check
    - Raise ERROR when GlueCEPolicyAssignedJobSlots=999999999 and GlueHostBenchmarkSI00=0
  - Include the new version of gstat-sanity-check in the next SAM release
    - Update 20 scheduled for mid January 2013
    - Expected to be rolled out in all production Nagios instances by the end of January 2013
  - Agree with EGI operations what to do with these errors
    - Presumably LHCb wants a GGUS tickets for these errors