



# WLCG Operations Coordination report

Maria Dimou

Andrea Sciabà

IT/SDC

On behalf of the WLCG Operations Coordination team

GDB

12<sup>th</sup> November 2014



# Outline

- News
- Experiments
- Status of Task Forces & Working Groups
- Conclusions

# WLCG operations site survey

- The goal of the survey is to **understand how sites use their effort** to contribute to WLCG operations and to ask their opinion on several of its aspects
  - It will be essential data for the WLCG operations cost optimisation
- Questions summarised at
  - <https://twiki.cern.ch/twiki/bin/view/LCG/WLCGOperationCosts>
  - Some very useful feedback received and taken into account
  - The official deadline for feedback is today, but you can send it until the survey is launched
- The final survey will be launched in a matter of days
  - **The questions are for sites, not individuals:** it is assumed that only one answer per site will be submitted, after having been agreed internally
  - The goal is to have a large fraction of sites having answered by the end of the year
  - **Sites are strongly encouraged to answer, as their input will be used to elaborate strategies that should eventually result in less effort being required**

# WLCG Critical Services

- The criticality of the WLCG services was reviewed for the last time two years ago
  - <https://twiki.cern.ch/twiki/bin/view/LCG/WLCGCritSvc>
  - It included values for urgency and impact for the Tier-0/CERN services by experiment
- A review is now needed
  - Some services have disappeared (e.g. gLite WMS) and some have appeared (e.g. Agile Infrastructure)
  - All experiments sent or are reviewing their numbers
  - Need to understand if to extend the scope
    - E.g. to Tier-1/2, and to better deal with distributed services (FTS3, CVMFS Stratum1, ...)
  - A dedicated meeting will be scheduled and the results presented to WLCG
    - Please let us know if you would like to participate!

# Experiment news

- ALICE
  - Very high activity level (~70K running jobs)
  - Successfully using the new VOMS server since a few weeks
- ATLAS
  - Rucio/Prodsys2 commissioning: full test chain successful (~1 Mfiles/day), many workflows tested. Migration will start mid-November
- CMS
  - Preparing for the PHYS14 campaign
  - Reconfiguration of Xrootd at EU sites to report to the EU GLED collector is ongoing
- LHCb
  - Massive data staging ongoing in preparation for the stripping campaign which just started
  - Setting up a prototype HTTP federation with 70% of the storage endpoints accessible

# Middleware news

- The WLCG repository is signed as of November 11
  - The change is backward-compatible
- lcg-util is now unsupported and removed from the baseline services table
  - It will **not** be removed from the repositories any time soon

# Task Force (TF) news (1/2)

- gLexec deployment
  - Integration in PanDA completed
    - Each site can be independently configured whether to use gLexec never/always/when it works
    - Ongoing deployment in ATLAS, then will study effects on success rates and based on it decide on the migration
- SHA-2 migration
  - OSG added the new VOMS servers to their vomses files yesterday
  - ALICE is already happily using them, the other experiments still need to conclude their tests

# TF news (2/2)

- Machine/job features
  - Converged on a single implementation for Cloud infrastructures, to be proposed to WLCG
  - TF conclusion expected by the next GDB
- IPv6 deployment
  - Discussed at HEPix, agreed to strengthen the collaboration with OSG to avoid effort duplication
  - Recommendation to install perfSONAR in dual-stack from version 3.4
- Squid monitoring and HTTP proxy discovery
  - Campaign this month to register all squid instances in GOCDB and OIM ([instructions](#))
    - It is needed to know which squid servers need to be monitored



# Working Group (WG) news

- Middleware Readiness
  - ATLAS requested the WG to include HTCondor
  - The Tier-0 will contribute for EOS and FTS3
  - DPM 1.8.9 being tested at the *Volunteer Sites*
  - Setting up for dCache at TRIUMF, NDGF and PIC
  - Setting up for StoRM at CNAF and QMUL
  - Developing a “MW readiness dashboard”
  - Next meeting November 19<sup>th</sup> at 4pm CET with Vidyo
- Network and transfer metrics
  - pS 3.4 patched to address the POODLE vulnerability
  - All sites must upgrade to 3.4+ according to broadcasted instructions
  - Validating the Datastore
  - Very soon the metrics will be usable for production and instructions made available to troubleshoot network problems

# Conclusions

- ATLAS, CMS and LHCb must complete their migration to the new VOMS servers
  - November 26<sup>th</sup> is the hard deadline as the CA of the current host certificate expires
- Filling the Site survey is an investment beneficial to the whole of WLCG to improve operational practices
- The TFs and WGs are essential for WLCG Operations
  - More participation is always welcome!
- The Critical Services review will set new priorities for WLCG Operations during Run2