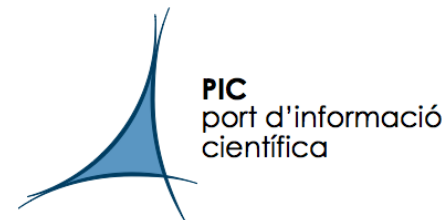


WLCG Ops Coordination [GDB Report]

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GDB – NIKHEF
[11th March 2015]



News highlights

- **VOMRS** was decommissioned on 2nd March
- **Savannah** was decommissioned on 19th February
- A new **HTTP Deployment Task Force** is being formed
- **WLCG Workshop in Okinawa: 11th/12th April 2015** 
 - ▶ Register through <http://chep2015.kek.jp/>
 - ▶ The final agenda is available in: <http://indico.cern.ch/event/345619/>
 - ▶ Final speakers set for most of the talks

Middleware: highlights

■ Baselines

- ▶ FTS 3.2.32: Important fixes for Activity Shares – upgraded elsewhere
- ▶ UMD 3.11.0 release (APEL, CREAM-CE, Gfal-utils, and DPM fixes)
- ▶ dCache, 2.6.40, 2.10.18, 2.11.9: various bug fixes
 - ▶ **dCache 2.6.x end of support is 06/2015!!** **BEWARE**

■ MW issues

- ▶ ARGUS-PAP 1.6.4: solves failures seen with latest *Java* versions
- ▶ RAL reported a problem upgrading gfal2 in their WNs [[GGUS](#)]
 - ▶ A fix by the Devs is being tested atm

~~▶ Impact of *Freak* vulnerability [[CVE-2015-0204](#)] is being investigated~~

no risk - confirmed

Tier-0

- **Decommissioning of LFC-LHCb service at CERN on 2nd Mar:**
 - ▶ LFC-to-DIRAC migration was complex but went very well
 - ▶ LFC is kept for a few months until verifying that everything is ok
 - ▶ The only LFC instance left is the "shared" one. The usage will be monitored and both will be then retired
 - ▶ Contacting EGI operations to understand the needs about the "shared" LFC
- **VOMRS decommissioning & replacement by VOMS-admin**
 - ▶ Done by 2nd March. It went fairly well [GGUS:[110227](#)]
 - ▶ A few certificates were missing during the migration, but were recovered
 - ▶ ATLAS asked for user documentation on VOMS-Admin covering the most important use cases for the LHC VOs – it was agreed
 - ▶ The experiments are still adapting to the new interface
 - ▶ Experiments acknowledge the effort by CERN-IT and VOMS Developers!

Experiments 1/2

■ ALICE:

- ▶ High activity over the past weeks
- ▶ ALARM ticket to CERN [GGUS:[111753](#)] Fri evening Feb 13
 - ▶ All of the old gLite VOBOXes suffered SSL errors on job submission
 - ▶ Th./Fr. Java Update: SSLv3 got disabled by default → Re-enabling it did not help, though... → old-machines were dismantled and new WLCG VOBOXEs were added

■ ATLAS:

- ▶ Cosmic data taking (M8) & P1 to EOS/Castor tests
- ▶ MC15 on-going: 4B events (1PB disk) → ~2 months work
- ▶ FTS3: great collaboration with the experts to solve the 'shares' bug: users could block transfers from Tier-0 (as everything was managed by a single queue). **Promptly fixed by Devs**

Experiments 2/2

■ CMS:

- ▶ Cosmics with magnet off (CRUZET)
- ▶ Upgrade Digi-Reco on T1s & Big Run2 MC at T2s
- ▶ Tape staging test at Tier-1 sites on-going
- ▶ A global *Condor pool* for Analysis and Production **deployed**
 - ▶ Tier-2 stopped receiving jobs with VOMS role *production*
 - ▶ Updated CMS Policies twiki and **VO card** → T2s to adapt shares
- ▶ Since Adler32 is primarily used, it is considered to drop CRC32

■ LHCb:

- "Run1 Legacy stripping" finalization
- File catalog migration: LFC → DIRAC File Catalog (DFC)

2nd ARGUS meeting

- Meeting held on **6th March 2015** – [[minutes](#)]
- INDIGO/Datacloud was approved
 - ▶ Some manpower foreseen for ARGUS development/support
- New `argus-pep-pdp-common` RPM → will become the new official release
- CESNET to be contacted, about their possible participation to the collaboration
- **Next meeting:** around mid-May
 - ▶ No real need for a F2F meeting foreseen
 - ▶ Wait for the kickoff meeting of the INDIGO project to have more concrete information about the potential impact on ARGUS

New HTTP deployment task force

- Oliver K. showed the motivations for an **HTTP deployment TF**
 - proposed a mandate, which was approved by the Exps. and sites [[slides](#)]
- The TF would take care of
 - Identifying the functionalities as required by the experiments
 - Providing recipes/recommendations to the sites, to enable such functionality
 - Coordinating and tracking the deployment in WLCG
- After the **positive feedback**, it was decided:
 - To proceed with the creation of the TF
 - ATLAS, CMS and LHCb supports it and have persons who work or can work in this topic
 - ALICE is not interested
 - there should be participation from sites, as the verification of the HTTP setup is a very typical question
- A twiki and mailing list will follow

Task Forces 1/3

■ gLExec:

- ▶ Panda testing campaign in progress:
 - ▶ 63 sites covered so far (+9) → aim to finish in Spring 2015

■ IPv6 Validation & Deployment:

- ▶ By April, PS-instances in T1s should be dual-stack (ATLAS req.)
- ▶ The FTS3 IPv6 testbed is progressing and the CERN CVMFS Stratum1 is working fine in dual-stack

■ Multicore Deployment:

- ▶ Successful shared use of the common resources in multicore mode by ATLAS and CMS has been achieved
 - ▶ Detailed discussions to optimize the usage in popular batch systems
- ▶ Exps. work independently on their respective infrastructures
 - ▶ The TF is kept open in “passive mode”, addressing the result of this work

Task Forces 2/3

■ Middleware Readiness WG:

- ▶ Sites are asked to install the “*MW Package Reporter*”
- ▶ MW database view will fetch and display candidate release versions for Readiness verification, from the repositories
- ▶ Verification of Middleware done + some validations on-going
 - ▶ **Done:** Storm 1.11.6 for ATLAS - dCache 2.11.8 for ATLAS - DPM-Xrootd 3.5.2 both for ATLAS and CMS
 - ▶ **On-going:** CREAM-CE 1.16.5 for CMS - Storm 1.11.7 for ATLAS - dCache 2.10.18 for ATLAS - dCache 2.12.0 for ATLAS
- ▶ It was decided that XRootD 4 deployment will be followed up by the team, together with the experiments and adopting sites
- ▶ Next meeting **Wed 18 March at 4pm CET**. Please note!

Task Forces 3/3

■ Network and Transfer Metrics WG:

- ▶ WG meeting held on 18th of Feb. [[Agenda](#)]
- ▶ All sites should be now running 3.4.1 (except 3, from last report - **tickets**)
- ▶ Follow up campaign to bring all perfSONARs to the correct configuration
 - ▶ LHCOPN/LHCONE instances first, several issues found and reported
- ▶ New IPv6/IPv4 dual stack mesh (lead by Duncan Rand)
- ▶ Testing and evaluation of the pilot instances for esmond/maddash on-going → psds.grid.iu.edu & psmad.grid.iu.edu
- ▶ Integration of the network and transfer metrics: two pilot projects
 - ▶ LHCb pilot project to provide experiment agnostic prototype to access central datastore (esmond) and publish available metrics to messaging
 - ▶ Extending ATLAS FTS performance study to CMS and LHCb
- ▶ Networking degradation between SARA and AGLT2 under investigation
 - ▶ A mailing list with a web archive is an acceptable solution to trace problems
- ▶ Next WG meeting will be on **18th of March**

Next OpsCoord meeting

- **Next Ops Coord meeting in 19th Mar.**

WLCG Operations coordination twiki

<https://twiki.cern.ch/twiki/bin/view/LCG/WLCGOpsCoordination>

Mailing list

wlcg-ops-coord@cern.ch

