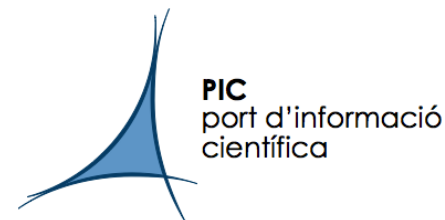


Operation Coordination and Commissioning [WLCG]

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On behalf of the WLCG Operations Coordination Team

GDB – CERN
[8th October 2014]



Outline

- ▶ Next meetings **[schedule]**
 - ▶ Minutes of last WLCG OpsCoord meetings available:
 - ▶ 2/Oct./2014: <http://cern.ch/go/LCd7>
 - ▶ 18/Sep./2014: <http://cern.ch/go/rw6R>
- ▶ News
- ▶ Experiments
- ▶ Status of (some) Task Forces
- ▶ Conclusions

Next Meetings (schedule)

- ▶ **1st and 3rd Thursday** of the month
 - ▶ <https://indico.cern.ch/category/4372/>
- ▶ Meetings schedule until the end of 2014:
 - ▶ October 16th
 - ▶ November 6th
 - ▶ November 20th
 - ▶ December 4th
 - ▶ December 18th
- ▶ T1s and T2s are **encouraged to participate**
 - ▶ There is a slot for them in the agenda to raise any issues regarding WLCG Operations

News highlights 1/3

- ▶ **ARGUS** lack of support was presented at last WLCG MB
 - ▶ a series of actions defined (OSG and CESNET being contacted as they might be interested to take the responsibility for the unsupported SWITCH components) – articulated via WLCG & EGI
 - ▶ *small step forward*: there is again a working build infrastructure, so new RPMs can be released using the official channels
- ▶ In the same MB, a set of preliminary ideas where **WLCG Operations could be improved** was presented
 - ▶ It was decided to survey the sites, in order to identify areas where we could optimise operational costs
 - ▶ A survey has been prepared and soon the sites will be contacted to fill it ([see more later](#))

News highlights 2/3

- ▶ The **Shellshock vulnerability** implied a set of security bugs affecting the bash shell (disclosed on 24th September)
 - ▶ WLCG Security experts evaluated/ing the impact on infrastructure
 - ▶ Some **perfSONAR** nodes were compromised
 - ▶ Sites should have patched the *Bash* packages on the perfSONAR instance(s) by Fr. 26 Sep + check network logs, so that NO IRC traffic was emitted → otherwise, switch off and re-install safely
 - ▶ One **OSG BDII** (running an Apache server) was compromised and the incident was reported to the OSG security team
 - ▶ The issue doesn't affect BDII in general. The server was patched and will be reinstalled from scratch soon
 - ▶ **Any web service is at risk** and should be upgraded accordingly
 - ▶ Investigations of other services are on-going

News highlights 3/3

- ▶ EGI proposes to change the **time limits of jobs** in terms of *HEPSPEC*time* in the VO-cards:
 - ▶ Discussions to check the feasibility to have both *time* and *HEPSPEC*time* to co-exist for a period (to ease the transition)
- ▶ **Maria Dimou** joins WLCG Ops Coordination, temporary replacing Maria Alandes in her maternity leave (*st. tomorrow*)

Tier0 update

- ▶ **Decommission of the AFS UI**
 - ▶ Access statistics done – tens of users identified
 - ▶ some VO services use clients from AFS UI, not just the CRL distribution
 - ▶ Experiments to review their access/usage at the next meeting
 - ▶ CVMFS UI distribution is a viable replacement for the AFS UI
- ▶ **WMS service was decommissioned on October 1st**
- ▶ **Decommissioning of lxplus5 and lxbatch5**
 - ▶ Original plan was to happen on 30th September
 - ▶ User feedback: the need for a platform to build binaries under SLC5 → Alternative is provided: private VMs under Openstack, with all relevant RPMs. Agreed by the groups
 - ▶ Lxplus5 will be stopped in October, exact date being discussed

Experiments

- ▶ **ALICE** is now using HLT farm as a site (since 24th Sep.)
- ▶ **ATLAS DC14** digi+reco Run2 in MCore ran successfully
 - ▶ Recommendations on Phys. mem, VMEM and RSS provided
- ▶ **ATLAS Rucio** and Prodsys-2 commissioning on-going
- ▶ **CMS** ask sites to participate on the *Space Monitoring project*
 - ▶ <https://twiki.cern.ch/twiki/bin/view/CMSPublic/SpaceMonSiteAdmin>
- ▶ **CMS AAA exercises** on-going
 - ▶ First half of Oct: Overflow in the US and HC test in EU/Asia at 20% level
- ▶ **LHCb** observed crashes when using ROOT6/xrootd on dCache
 - ▶ Acknowledged by dCache and being fixed
- ▶ **New stripping campaign** is being prepared by **LHCb**
 - ▶ This will result in some load on the sites (staging & computing)

Task Forces Update

- ▶ For details on each TF progress, please check the TF Task Tables in the relevant twikis
 - ▶ https://twiki.cern.ch/twiki/bin/view/LCG/WLCGOpsCoordination#Task_forces_Ongoing
 - ▶ https://twiki.cern.ch/twiki/bin/view/LCG/WLCGOpsCoordination#Working_Groups
- ▶ **WMS decommissioning**
 - ▶ With the deployment of the Condor SAM probes, nothing is using WMS anymore...
 - ▶ Services were already stopped
 - ▶ Agreed to **close the Task Force** as well
- ▶ Specific progress for some of the TFs in the next slides
 - ▶ Dedicated “Network and Metrics WG” status today at 3 pm

SHA-2 migration

- ▶ **New VOMS servers:**
 - ▶ **SAM prod** machines use the new servers since Tue Sep 16th
 - ▶ Node **firewalls** are being opened selectively per experiment
 - ▶ Workflows being validated against the new VOMS servers
 - ▶ The new servers are blocked for outside CERN ("Connection refused", at most until Tue Nov 18th)
 - ▶ **EGI** will soon conclude their **campaign** to get all EGI sites to recognize the new servers for the Ops VO
 - ▶ the port for Ops will be opened at that time
 - ▶ Hard **deadline for migration** → **end of November**
 - ▶ When old VOMS server certificates expire

MultiCore Deployment

- ▶ Publishing **multicore accounting** to APEL works OK
 - ▶ **ARC CEs** publish correctly
 - ▶ For **CREAM CEs** to make it work it has to be an EMI-3 CE and it has to be enabled in the configuration
 - ▶ Edit `/etc/apel/parser.cfg` and set the attribute **parallel=true**
 - ▶ If the site was running multicore already, before upgrading and/or applying this modification, they need to **reparse and republish** again the 'corrected' accounting
- ▶ See **ATLAS recommendations** for on Phys. mem, VMEM and RSS for MCORE jobs, and settings for the queues:
 - ▶ <http://cern.ch/go/H7x7>

Sites survey: WLCG Ops efforts

- ▶ The WLCG Ops Coordination needs to report to the WLCG MB **where the operational efforts are done**
 - ▶ **Goal:** how to optimise these efforts?
- ▶ A **survey** is being built to ask sites about different areas, efforts spent, and collecting feedback to assess the issue
 - ▶ **The survey will be sent to the GDB list for feedback, then broadcasted**
- ▶ The survey, as of now, is divided in 5 areas:
 - ▶ Site organisation
 - ▶ Service upgrades
 - ▶ Communication
 - ▶ Monitoring
 - ▶ Grid services administration

Goals of the site's survey 1/3

▶ Site Organization

- ▶ FTEs at the site
- ▶ Dedication for administering services
- ▶ Time for an admin to become a 'admin expert'

▶ Service upgrades

- ▶ Suitability of the frequency of MW releases
- ▶ Level of support/documentation
- ▶ Ease of use of the documentation and repositories
- ▶ Repository used to fetch new RPMs
- ▶ Ease of standard upgrades from standard repositories

Goals of the site's survey 2/3

▶ Communication

- ▶ Effectiveness of site \leftrightarrow WLCG
- ▶ Effectiveness of site \leftrightarrow experiments
- ▶ Effectiveness of site A \leftrightarrow site B
 - ▶ Preferred communication channels
- ▶ Followers of fortnightly WLCG Ops Coord meetings
 - ▶ Task Forces impact and utility
- ▶ Satisfaction from the user support official tools (like GGUS)
- ▶ Effectiveness of different communication channels to sites

Goals of the site's survey 3/3

▶ Monitoring

- ▶ Effectiveness of SAM monitoring system
- ▶ Understanding of a given test & provided documentation
- ▶ Failures notifications
- ▶ Proactive check of SAM results

▶ Grid Services administration

- ▶ Accessing adequate documentation & First deployment
- ▶ Service upgrades (including security patches)
- ▶ Reconfigurations
- ▶ Troubleshooting and fixing problems
- ▶ Getting support from the developers

Thanks!

WLCG Operations coordination twiki

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

Mailing list

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