



ALICE WLCG operations report

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v1.0





Things mostly done

- SL6 migration
- CVMFS
 - Fairly smooth operation – well done!
- WLCG VOBOX
- SHA-2
- gLExec



SLC6 at CERN

- Lower CPU-over-wallclock efficiencies
 - <http://alimonitor.cern.ch?1081>
 - CERN-CREAM, CERN-L: SLC5 in CERN CC
 - CERN-SHA2: SLC6 in CERN CC
 - CERN-CVMFS: SLC6 in Wigner CC
- I/O asymmetry CERN \leftrightarrow Wigner jobs
 - All EOS data currently only in the CERN CC
- To be continued...

WLCG VOBOX



- Please upgrade your gLite 3.2 VOBOX (if any)
 - <https://twiki.cern.ch/twiki/bin/view/LCG/WLCGvoboxDeployment>
 - Plus CVMFS, of course
- Inbound connectivity to port 1975 (gsissh) from CERN networks facilitates **expert assistance**
 - IPv4
 - 128.142/16
 - 137.138/16
 - 188.184/15 ← sic
 - IPv6
 - 2001:1458::/32
 - FD01:1458::/32



EMI-3 and UMD-3

- EMI-2 and UMD-2 end of support 2014-04-30
 - EGI will run a campaign to get affected services upgraded or switched off
- The WLCG baseline is updated regularly
 - <https://twiki.cern.ch/twiki/bin/view/LCG/WLCGBaselineVersions>
- EMI-3/UMD-3 essentially OK for any product
 - Some caveats may apply for certain products
 - Check known issues along with release notes
 - Significant issues usually documented on the baseline page
- **New product versions** will continue to appear in EMI-3 + EPEL and (after Staged Rollout) in UMD-3
 - At least for the time being – also see next page

Middleware Readiness WG



- WLCG working group to facilitate steady deployment of new versions, while keeping the infrastructure stable
- <https://twiki.cern.ch/twiki/bin/view/LCG/MiddlewareReadiness>
- Main concern for ALICE: new versions of XRootD?
 - Advanced sites may show the way – and get **official WLCG recognition** for their efforts!
 - Could we set up a small infrastructure parallel to production where new versions can be safely verified?

gLExec



- gLExec is a utility allowing user separation in multi-user pilot jobs
 - Let each user task run under a corresponding account
 - Helps dealing with security incidents and misbehaving jobs
- WLCG sites must implement support for gLExec
 - ALICE jobs cannot use it yet, but adaptation is planned
- The site setup is tested through SAM
- Status:
 - <https://twiki.cern.ch/twiki/bin/view/LCG/GlexecDeploymentTracking>
- **Most ALICE sites done → thanks!**
 - Only sites with a CE are concerned for the time being



SAM tests

- As of Jan 2014 the WLCG Availability and Reliability reports are no longer based on the tests by the Ops VO
 - The experiment tests are used instead
- Test results are in the SUM dashboard
 - <http://dashb-alice-sum.cern.ch/>
- Tests simplified as of early March
 - No more tests via WMS, only **direct CREAM tests**
 - A temporary trick may be needed for the OSG sites
- **XRootD and VOBOS** tests to be added “soon”
 - To be debugged, tuned and agreed for A/R profiles
 - Based on corresponding MonALISA tests

Sites usually OK - thanks!

However...



- VOBOX issues
 - CE not ready for jobs, wrong proxy being used, MyProxy running out, ...
 - Admins please check site issues page
 - <http://alimonitor.cern.ch/siteinfo/issues.jsp>
 - Subscribe to relevant notifications
 - <http://alimonitor.cern.ch/xml.jsp>
- Files unavailable due to SE problem
 - See above
- Absence of “system” library on WN
 - HEP_OSlibs rpm was created to avoid that