




WLCG services evolution

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CVMFS

- A novel approach to SW distribution
- Already used by ATLAS, CMS and LHCb at many/most of their sites
- ALICE: see Predrag's talk on Thu
- Deployment task force
 - <https://twiki.cern.ch/twiki/bin/view/LCG/CvmfsDeployment>

WLCG VOBOX

- Please upgrade your gLite 3.2 VOBOX (if any) to a WLCG VOBOX
 - <https://twiki.cern.ch/twiki/bin/view/LCG/WLCGvoboxDeployment>
- Also AliEn then needs to be upgraded
 - Else job submission to CREAM will fail
- Inform alice-lcg-task-force in advance, so that the VOBOX changes can be properly planned

EMI-2 and -3

- The EMI project has ended → less effort to support its middleware
- The WLCG baseline is still EMI-2/UMD-2 for most EMI products
 - <https://twiki.cern.ch/twiki/bin/view/LCG/WLCGBaselineVersions>
 - EMI-1 is no longer supported
 - For some products EMI-3 is needed already (see next page)
- EMI-3/UMD-3 can be tried for any product
 - If no major issues are observed, it can become recommended
 - To simplify the support

SHA-2

- Grid certificate signatures have been based on the SHA-1 algorithm for the last many years
- CAs want to move to SHA-2 instead
 - Tentative introduction of SHA-2 certs as of Oct 1
 - <https://twiki.cern.ch/twiki/bin/view/LCG/RFCproxySHA2support>
- CREAM: v1.14.4 or higher
- WLCG VOBOX: OK
- XRootD: TBC
 - Access envelopes not affected
- Central services: TBC

gLExec

- gLExec is a utility allowing user separation in multi-user pilot jobs
 - Let each user task run under a corresponding account
- The WLCG Management Board has decided that WLCG sites must implement support for gLExec
 - Even when e.g. ALICE jobs cannot use it yet
- The setup will be tested through SAM
 - The test is foreseen to become critical in the autumn
- Details:
 - <https://twiki.cern.ch/twiki/bin/view/LCG/GlexecDeployment>