



ALICE WLCG operations report

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ALICE Offline week
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Operations Support



- Alert and/or assist sites having **issues** with VOBOX services, CE, WN, SE
 - Noticed in ML and/or reported by users/admins
- Getting **new sites** into the game
 - Bandung, Cibinong, UNAM_T1
- Assisting sites with **changes**
 - SE node additions, upgrades, migrations
 - Transition to new VOMS servers
 - Transition to ARC CE → see Pavlo's talk
- Interfacing with **WLCG**
 - SAM, reporting

Sites mostly 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

Job efficiency at CERN



- **Lower** CPU-over-wallclock efficiencies are being looked into by a CERN IT task force
 - Various issues were nicely pinpointed by **Costin's benchmark** code
 - VMs **swapping**
 - High **IOWait** numbers
- Also the job **failure** rates were examined
 - Too many jobs went to Expired
 - Batch queue **limits** were **improved**
 - CPU time, wall-clock time, RSS, VMEM
 - **JA** time logic was **fixed**

Agile Infrastructure at CERN



- **Quattor** fabric management being **retired**
 - Replaced with **Puppet** or “unmanaged”
 - Experiments have until end Nov
- ALICE services affected:
 - VOBOX nodes → **easy**
 - CAF → **less easy**
- CAF plans
 - Current old HW can be used until **~mid spring**
 - Hosts with **expired** warranty get **no support**
 - Half of the CAF (30) already affected
 - We only had a handful of **broken disks** this year...
 - **New CAF** to be created on **OpenStack**

Monitoring Consolidation



- Project since June 2013 to **simplify** the suite of monitoring tools used in WLCG and **fill the gaps**
- In particular the SAM framework → **SAM-3**
 - Already in production, a few minor issues remaining
 - <http://wlcg-sam-alice.cern.ch>
- Currently still providing the **SAM-2** view → only testing ALICE sites with a **CE**
 - CREAM
 - ARC → see Pavlo's talk
- **SE** and **VOBOX** test results are imported from ML
 - To be debugged, tuned and agreed for A/R profiles
 - Allows AliEn sites to be **included**: NDGF, OSG, ...