

Experiment Support



CVMFS Deployment Task Force

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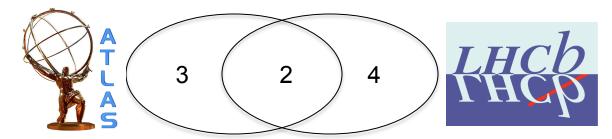
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Status/plans ATLAS, LHCb



- Deployment target date is ~arrived
 30 April '13
 - GGUS tickets with reminders have been sent to the concerned sites
 - Currently 9 sites not finished with deployment



 Task force for these two experiments can be considered closed by that day



WARNING!



 End of April LHCb/ATLAS won't use those sites anymore which haven't deployed CVMFS

- List of pending sites
 - BG01-IPP, LHCb
 - BG03-NGCC, ATLAS LHCb
 - BMEGrid, LHCb
 - GR-04-FORTH-ICS, LHCb
 - HG-02-IASA, ATLAS
 - HG-06-EKT, ATLAS
 - INFN-ROMA2, LHCb
 - INFN-PISA, ATLAS, LHCb (CMS)
 - LRZ-LMU, ATLAS



CVMFS deployment: CMS, ALICE Department

- CMS stops sending install jobs by September 30th 2013
 - Cron based pull methods remain for another few months
 - Spring 2014 (April 1st) CVMFS becomes a requirement (cron based pull installation might stop functioning)
 - CVMFS as classical WN client
 - CVMFS over NFS
 - CVMFS installation during runtime via Parrot
- ALICE is starting



New CVMFS version



- New release is coming: 2.1.9
 - Not yet tested at scale, RAL had some issues
- 1. New users and existing 2.1.X users (non-NFS) use 2.1.9
- 2. 1x users with NFS export: upgrade but test carefully at least for a week
- 3. Users of the 2.0 can also migrate:
 - Few weeks testing before upgrading
 - test on few nodes before upgrading
 - upgrade on a node requires draining
 - different config. between 2.0.x and 2.1.9
 - The 2.0 and the 2.1 client can run side-by-side in the same cluster

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CVMFS: from testing to prod



- Releases extensively tested on SLC[5-6]
 - Functional/stress tests of few hours (including real world benchmarks)
- Tests will be extended with HammerCloud submissions to see the impact of real jobs
- Receipt for successful deployment on Grid:
 - few grid sites participating on <u>cvmfs-testing@cern.ch</u> e-group, with sites testing nightlies under real conditions.
 - Upgrades at sites should take place in stages
 - First upgrade few nodes
 - Then perhaps half of the nodes
 - Finally all



Conclusion



- CVMFS deployment task force
 - ATLAS, LHCb finishing at the end of this month
 - CMS deadlines for September 2013-April 2014
 - ALICE is starting
- Sites please join the "pre-production" effort
 - <u>cvmfs-testing@cern.ch</u> e-group, with sites testing nightlies under real conditions