

SL6 Migration Task Force

Alessandra Forti

HEPSYSMAN

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SL6 migration timeline

- After comparing experiments situation and needs the following was agreed
 - Unless sites have an urgent need to upgrade
 - which still needs to be notified to experiments
 - Between now and 1st of June sites are encouraged to test SL6 on a wider scale
 - After the 1st of June sites will be encouraged to upgrade by all the experiments
 - This leaves us 5 months to move the bulk of resources
 - Experiments prefer gradual upgrade rather than big bang
 - Sites progress will be followed on twiki tables

HEPOS_libs &co

- HEPOS_libs is currently available and documented
 - <https://twiki.cern.ch/twiki/bin/view/LCG/SL6DependencyRPM>
- Needs to be tested by external sites to adjust dependencies for different flavours of RHEL
 - Castor dependencies not needed for general users already removed
- Sites which will setup the first test queues should of course do it and report any problem
 - Contact: Andrea Valassi/Fabrizio Furano
 - There's no GGUS support for this and wasn't deemed necessary

WLCG Repository

- WLCG repository for extra experiments software was deemed necessary
 - Current HEPOS_libs location not ideal
 - CERN linuxsoft “extra”
 - Other software out there in the wild should be collected and distributed
 - At the moment twiki grab the link practices
- Github.com a possibility but a repository at CERN preferable
 - Maarten agreed to investigate internal CERN resources to place it.

Experiments

- Alice
 - Site admins can contact the site's local ALICE support
 - ALICE support should contact the `alice-lcg-task-force` list to discuss plans and questions
- CMS
 - Site admins can contact the site's local CMS support.
 - CMS local contacts should be aware of what are the CMS requirements and what needs to be done.
 - Local CMS support should open a savannah ticket for CMS in case of problems.

Experiments (2)

- LHCb
 - To access SL6 resources LHCb requires the SL6 CE/queue set to production in the BDII.
 - If it is not in the BDII LHCb doesn't see it.
 - If the queue is new or you insist on testing it in advance you'll have to contact LHCb to get it in the SUM tests and DIRAC respectively.
 - In case of problems with LHCb software sites should open a GGUS ticket for LHCb
 - Alternatively contact Vladimir Romanovskyi

Experiments (3)

- Atlas
 - SLC6 Readiness: Worker Nodes upgrade procedures
 - Atlas migration to SL6 is not transparent sites cannot move without telling atlas.
 - PandaQueues might need reorganisation and the releases need to be validated.
 - Big Bang transition to SL6:
 - sites with little support, in particular small sites that will have to rely on central support are encouraged to do this.
 - Rolling transtion to SL6:
 - sites with a good local support or an active cloud support can do this.
 - Upgrade problems and work arounds
 - Problem with CVMFS: needs to be mounted rw
 - Please contact Cloud support when you want to upgrade
 - atlas-support-cloud-uk@cern.ch

Global Status

- Tier1s
 - Total number of Tier1s Done: 6/15
 - (Alice 4/9, Atlas 4/12, CMS 2/9, LHCb 3/8)
 - Total number of site in test or tested: 13
- Tier2s
 - Total number of Tier2s Done: 20/131
 - (Alice 8/41, Atlas 7/91, CMS 11/65, LHCb 4/45)
 - Total number of site in test or tested: 47

UK Status

UK	VOs	WN Testing plans	WN In production plans	Comments	GGUS
UKI-LT2-Brunel	Atlas,CMS,LHCb	Done	Done	Atlas runs only prod	
UKI-LT2-IC-HEP	Atlas,CMS,LHCb	In progress	not planned	currently running ops test using WN tarball, test queue open to VOs as before	
UKI-LT2-QMUL	Atlas,CMS,LHCb	not started	not planned		
UKI-LT2-RHUL	Atlas,CMS,LHCb	not started	not planned		
UKI-LT2-UCL-HEP	Atlas	not started	not planned		
UKI-NORTHGRID-LANCS-HEP	Atlas,LHCb	not started	not planned		
UKI-NORTHGRID-LIV-HEP	Atlas,LHCb	In progress	2013-10-31	Installed test queue with EMI-3/SL6. It will be a gradual move.	
UKI-NORTHGRID-MAN-HEP	Atlas,LHCb	In progress	2013-10-14	Working on moving the infrastructure to puppet, test queue is up with 1 WN. Work will be done during a computing centra downtime for electrical work.	
UKI-NORTHGRID-SHEF-HEP	Atlas,LHCb	not started	2013-10-31		
UKI-SCOTGRID-DURHAM	Atlas,LHCb	not started	not planned		
UKI-SCOTGRID-ECDF	Atlas,LHCb	In progress	2013-06-01		
UKI-SCOTGRID-GLASGOW	Atlas,CMS,LHCb	In progress	2013-09-01	Testing currently in progress on test cluster	
UKI-SOUTHGRID-BHAM-HEP	Alice,Atlas,LHCb	2013-07-31	2013-07-31		
UKI-SOUTHGRID-BRIS-HEP	CMS,LHCb	not started	not planned		
UKI-SOUTHGRID-CAM-HEP	Atlas,LHCb	2013-07-31	2013-10-31		
UKI-SOUTHGRID-OX-HEP	Alice,Atlas,CMS,LHCb	Done	not planned	Seperate small cluster with SL6 Creamce and few SL6 WN's. Passing all LHCb tests, CMS seems to be working. Atlas yet to be tested.	
UKI-SOUTHGRID-RALPP	Atlas,CMS,LHCb	not started	not planned		
UKI-SOUTHGRID-SUSX	Atlas	not started	not planned		

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