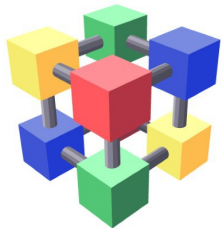


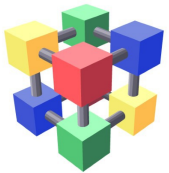
SL6 Migration TF status&plans

Alessandra Forti
GDB
8th May 2013



Layout

- TF Organisation
- Timeline & Procedures
- HEP_OSlibs & WLCG repository
- T0, T1s, T2s
- Issues, Tasks & Plans



TF Organisation

- People
 - Experiments: Alice (2), Atlas (5), CMS (4), LHCb (3)
 - Sites: T0 (2), T1 (5), T2 (10)
 - Other: EGI (2), SL6 tarball (1), IT/ES (1)
- Egroup
 - [wlcg-ops-coord-tf-sl6-migration](#)
- Main TF page
 - <https://twiki.cern.ch/twiki/bin/view/LCG/SL6Migration>
- Sites deployment page
 - <https://twiki.cern.ch/twiki/bin/view/LCG/SL6DeploymentSites>



Timeline

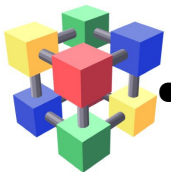
- Before 1st June 2013
 - Shared sites that support Atlas are strongly encouraged to test but not to upgrade
 - Sites not supporting Atlas can go instead ahead also with the upgrade if they are ready
- Between 1st of June 2013 and 31st October 2013 the bulk of WLCG resources should be moved to SL6
 - 5 months
- After 31st October 2013 only a tail of sites should remain
 - Hopefully not many but decision to do SL6/EMI-3 might weight on this for T2s



Procedures

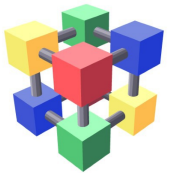
- Gradual migration is preferred
 - It leaves more time to find problems
 - Big Bang migrations can be accomodated
- No mixed queues but separate queues for each OS
 - Sw validation can't cope, can't run SL6 native exec on SL5, don't want to blacklist SL5 resources if something doesn't work on SL6
- LHCb wants the SL6 queues published in the BDII
- Best way to go ahead is to use existing queues
 - They don't need extra work to be inserted in the experiments frameworks

• <http://tinyurl.com/cwnbktw>



HEP_OSlibs

- HEP_OSlibs is currently available and documented
 - <https://twiki.cern.ch/twiki/bin/view/LCG/SL6DependencyRPM>
 - SL5 version also still available but not really maintained anymore
- Dependencies required by experiments
 - It shouldn't have any non OS dependencies
 - If it is needed for the nightlies it will be considered needed everywhere
- To report any problem
 - Contact: Andrea Valassi/Fabrizio Furano
 - There's no GGUS support for this and wasn't deemed necessary
- Sites are strongly recommend to install it
 - Rather than trying to keep track of the dependencies



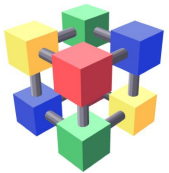
WLCG Repository

- WLCG repository for extra experiments software was deemed necessary
 - After some discussion decided CERN should host it
- It was created at the end of April
 - <http://linuxsoft.cern.ch/wlcg/>
- Already contains SL5/SL6 versions of HEP_OSlibs
- Other software is already there
 - Other will be added (Xrootd plugins were next in line)
- Sites are strongly recommended to enable it
 - Rather than chasing software on the documentation pages



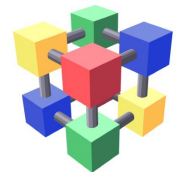
CERN

- Lxplus alias migration on 6/5/2013
 - Migration to virtual machines
 - Users testing it and ironing problems out
- Lxbatch has migrated 10% of the resources
 - Number of job slots and number of HS06
- Resources from the batch system will be moved in line with the usage of lxplus
- SL5 resources will be there for several months after this initial move
- Follow updates on the **ISSB** announcement



Tier1s

WLCG Site Name	VOs	WN Testing plans	WN In production plans	Comments	GGUS
ASGC	Atlas,CMS	not started	not planned	Not thought about it yet	
BNL	Atlas	Done	In progress	SL6 migration will be completed by end May	
CCIN2P3	Alice,Atlas,CMS,LHCb	In progress	2013-10-31	Preproduction platform beginning of May. 25% of WNs in production on June 11th, 50% end of September. Complete migration by end of October.	
CERN	Alice,Atlas,CMS,LHCb	Done	Done	10% of the computing capacity in SLC6; one CREAM CE (ce208.cern.ch) configured to submit to SLC6 resources	
FNAL	CMS	In progress	2013-10-31		
INFN-CNAF	Alice,Atlas,CMS,LHCb	In progress	2013-10-31	Test queue ready and used by experiments. All but Atlas have validated the WN. We plan to install SL6/EMI-3 on all our WNs.	
JINR-T1	CMS	Done	Done	All resources (exc. CMS Phedex) installed with SL6 EMI2/3	
KISTI-GSDC-01	Alice	Done	Done	All WNs installed on SL6 and in production	
KIT	Alice,Atlas,CMS,LHCb	not started	not planned	Deployment infrastructure is currently being adapted for SL6. Exact dates will follow.	
NDGF	Alice,Atlas	Done	In progress	Most resources have been migrated	
NIKHEF	Alice,Atlas,LHCb	Done	Migration starts 21 May	The site will not require downtime because we will install our new worker nodes (which are not yet in production) the week before. The currently active nodes will be drained the week of May 21st and reinstalled with EL6.	
PIC	Atlas,CMS,LHCb	In progress	not started	Test queue: GlueCEUniqueID=ce02-test.pic.es:8443/cream-pbs-test_sl6 ; published in BDii for CMS/LHCb; resources: 128 slots (1607 HS06)	
RAL	Alice,Atlas,CMS,LHCb	In progress	2013-10-31	Test SL6 queue with some WNs for testing available and published. Atlas SL6 queue has been setup, software validated and test jobs run, CMS jobs have been run successfully. LHCb testing in progress.	
SARA	Alice,Atlas,LHCb	Done	Done		
TRIUMF	Atlas	In progress	not planned		



Tier1s Deployment status

Tier2s

- 131 sites listed
 - Got several answers and sites are still responding
 - 81 have already replied
 - Tier2s deployment status
- Many are waiting for the experiments green light
 - In particular CMS and Atlas
 - Asked Atlas and CMS to reinforce the message the TF is giving
 - LHCb is also doing this now



Issues, Tasks & Plans

- Issues and Tasks can be followed on the twiki
 - <http://tinyurl.com/bs9276w>
 - So far mostly related on how to set up the TF
- Will evolve to include problems related to the upgrade
 - For example File Descriptors problem found by some atlas sites
- Follow up with sites not replying
- Find T2 reps for bigger country who can help
 - At the moment only me acting as a communication relay

