

Tier-0 migration to SL(C)6

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Facts (1)

- RedHat Enterprise Linux 6 timeline

Release	10 Nov 2010
End of production 1	2Q 2016
End of production 2	2Q 2017
End of production 3 / end of regular life cycle	30 Nov 2020

- Scientific Linux CERN 6 certified on 01 Feb 2012
- Report of operations' coordination to GDB
12 Dec 2012: SL6 is OK for ALICE, CMS and LHCb
 - Some ATLAS workflows cannot run on SL6

Facts (2)

- Migration to SLC6 has started in the T0
 - Numerous services are running on SLC6 nodes already
 - (Small) test facility of Ixplus: Ixplus6.cern.ch
 - Associated (small) LSF batch capacity on virtual batch worker nodes according to demand
- Public perception: Moving Ixplus alias from SLC5 to SLC6 is “the migration”
- Even after alias move, SLC5-based services will remain available
 - Right-sizing according to demands

Proposal

- Envisage Ixplus alias move to SLC6 for a point in time not too far in the future
 - But still giving sufficient time for testing and corrective measures
 - Target date: end April 2013
 - We will provide sufficient Ixplus, Ixbatch, and CE capacity
- Procedure
 - Discussion in WLCG Architects' Forum 17-Jan-2013
 - Discussion in WLCG Management Board today
 - Offline follow-up
 - Discussion in experiment and other dedicated user meetings
 - Discussion in the IT Technical User Meeting 18-Feb-2013



Feedback so far

- WLCG Architects' Forum 17-Jan-2013 (my informal notes)
 - Issue is really the compiler rather than the OS – gcc 4.6/4.7 are fine, 4.3 isn't
 - A few external libraries and/or header files appear to be missing
 - Preliminary list (being verified): gfal, lcg-dm-common, lcg_utils, lfc, cgsi-gsoap, Castor client
 - General feeling that issues should be solvable by the timeframe proposed

Comments? Questions? Approval?

