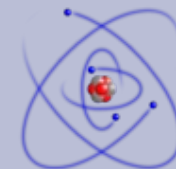


CERN Linux update: SLC{5,4,3}



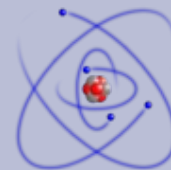
RHEL5/SL5/SLC5

- Last formal decision: SLC4 for LHC startup
- No formal new decision yet, first reactions:

SLC5	Offline	Online	Desktop	Server
ALICE	Go for it!	Stay on SLC4		
ATLAS		(SLC4)		
CMS	Already testing SW			
LHCb	Needs Grid middleware		After server	After Offline+Grid
Non-LHC				
Controls			Iff fixes issues	
IT Services				

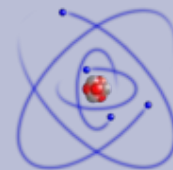
= low demand from users / experiments

= massive roll-out before LHC startup extremely unlikely



SLC5 cont.

- But: SLC5 supports newer Desktop/Laptop hardware
 - (and we had trouble with recently purchased hardware)
- “some” SLC5 is likely to appear in the next months
- (Sorry for not getting very much involved in SL5 until now, will pick up over time)



SLC4

- (Certified April 2006..)
- Roll-out to “default” interactive cluster LXPLUS: done end of January (64bit mode, surprise, surprise..)
- Still lots of SLC3-built software
- Still largely 32bit compat mode
- Still most LXBATCH nodes on SLC3
 - >2000 vs 870
 - (but all newer HW is SLC4, so this is 50% of capacity)



SLC4 cont.

- (one) reason: Grid middleware not fully certified even now..
 - Tracked actively via LCG GDB and EGEE
 - e.g. At

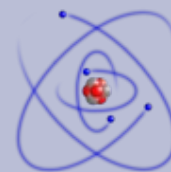
https://twiki.cern.ch/twiki/bin/view/EGEE/Sites_Plans_to_go_to_SLC4

- Lots of (most?) IT-internal servers have migrated



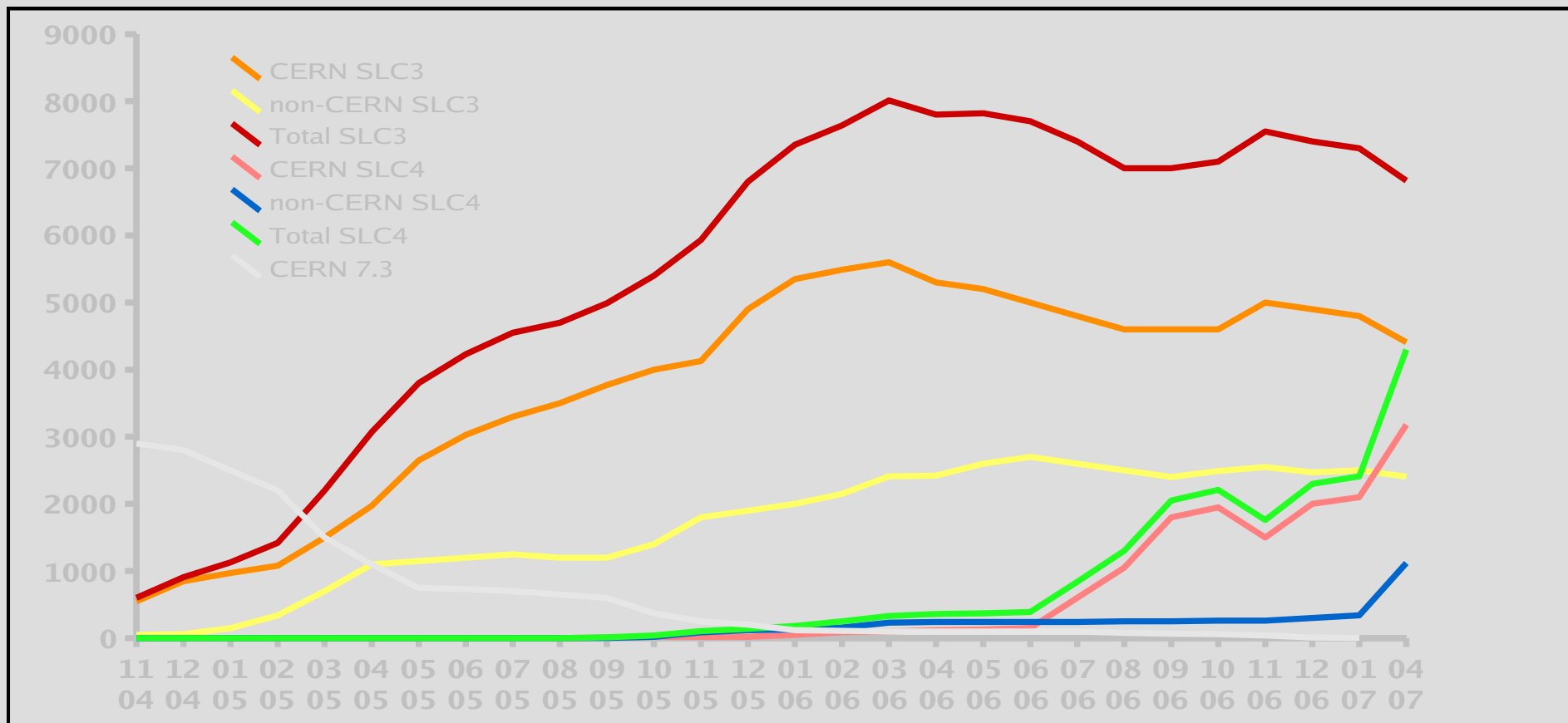
SLC3 - die.

- Upstream (SL3) “end of October 2007” is still formally accepted timeline
(not in favour of re-opening the discussion / extension, please keep this quiet..)
- But: not seeing massive migration yet
→ Will push & nag & blackmail etc.
- Some “SLC3 pockets” may/will remain, locked-down and minimized
- (SLC3 virtualization is not a solution to security updates / support issues)



Scientific Linux CERN 3 & 4 (SLC3 & 4)

Evolution of active system numbers.



Scientific Linux CERN (SLC4) growth is slow, but accelerates since CERN central clusters started migration.