



ATLAS SLC4 Status

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SLC3 Platform Status

- SLC3/gcc323 is current production platform
 - Execution of these jobs on SLC4 is supported (and fully validated)
 - Requires compatibility RPMs to be installed
- Release 12.0.X is our current production release branch
 - Release 12.0.5 has just been built and is expected to be final release in branch
- Based on previous experience, we propose to support this branch for physics studies until at least Sep 2007
- Physics Analysis Model based upon CVS checkout and edit/compile/run cycles of one or more packages built against the base release
- We've demonstrated but not yet deployed support for full compilation (as well as execution) of SLC3/gcc323 programs on SLC4
 - Requires one additional symlink in SLC4 RPMs and some trivial shell scripts which we provide and deploy
- We therefore believe that support for SLC3/gcc323 on SLC4 is not an issue



SLC4 Platform Status

- Release 13.0.X branch is next production release
 - Due in March 2007
 - Will be SLC3/gcc323 and SLC4/gcc34x (both 32-bit and 64-bit)
 - SLC3/gcc323 builds will be dropped thereafter
 - But important to have at least one production release with both
- We've been running nightlies on all platforms for ~6 months
- SLC4/gcc34 in 32-bit mode is pretty well validated and is essentially identical to SLC3/gcc323
 - Will be primary production platform
- SLC4/gcc34 in 64-bit mode still incomplete
 - Problems with generators and digitization incomplete for some detectors
 - Simulation works ok for everything but one detector
 - Reconstruction mainly functional
 - ~30% cpu performance gains
 - x2 memory size increase (serious work to understand this not yet started)
- SLC4/gcc34 validated for release 14 in summer 2007