

WHAT WE USE

4/6/14

What actually goes on in an analysis job

Part II – documenting what we use

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- Products we know about and are using
- Minerva specials

Standard Products that we use

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- jobsub
- samweb_client
- ifdh - cpn/gridftp
- dcache
- fts
- pnfs
- bluearc
- afs
- minervagpvm
- [cvmfs]
- lfbeam
- database tools?
- fifemon
- Ganglia
- condor_monitor

Stuff we get on our own for release compatibility

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- ❑ gaudi - build ourselves based on version from CERN
 - ❑ geant
 - ❑ python
 - ❑ cmt
 - ❑ ROOT – patched version
 - ❑ lcg - binary from CERN
 - ❑ GENIE
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- ❑ Set this suite up at runtime both online/offline via a script – we need to upgrade to more version control.

What DB based products do we use

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- Samweb
- ECL
- Calibrations
- ifbeam
- docdb

Requirements

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- File storage methods
 - Need to work for both interactive and batch jobs in a reasonably transparent way. [Currently different methods treat file ownership differently]
 - Need to have models for both users using private areas and for production using public cataloged areas
 - Need to be able to store intermediate steps in processing chains
 - Need to be able to understand and track failures
 - Need to be understand access methods for reading files written to different storage areas
 - A subset of data needs to be prestaged on disk (dcache)
 - A subset of data may need to be pinned on disk