LArSoft partners / project meeting

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Today's agenda

- News, announcements (Erica)

- Experiment reports / input

  - LBNE

  - uBooNE

  - LArIAT

  - ArgoNeut

- Project status (Ruth)

- AOB

Releases

- v1_00_08 released

- v1_01_00 ready, but not officially released
  - Approx 30 underlying products have changed – see the release notes
    - https://cdcvs.fnal.gov/redmine/projects/larsoft/wiki/Release_Notes_10100
    - Includes gcc, cmake, root, art, cetbuildtools, mrb
  - Can experiments validate before we release it?

- Release retention policy
  - This issue has been raised, but not resolved
  - Currently rotate through integration releases
    - Delete as space is needed.
    - Distribution tarballs deleted more quickly than those installed at Fermilab
    - Is email announcement a few days prior adequate warning?
  - Will retain production release for longer periods.
    - Coordinate deletion with the experiment(s) for which the release was created (?)

Documentation

- Have received feedback related to documentation

  - Cited wiki pages, LArSoft modules as places where improvements desirable

- Wiki pages

  - Are receiving some help from a tech writer (Katherine Lato)

    - Will track suggestions, planned actions, status on the wiki

  - Send suggestions

- Modules, algorithms

  - Suggested that we should *require* (at least minimal documentation) on code *before including it in any production/integration release*

    - Documentation would need to be owned, maintained by the author

      - Commits with significant changes   new update to the documentation

  - Lots of code currently fails this requirement

  - MiniBooNE had such a policy. Got good reviews (ex poste).

  - Discussion…

Build and integration system

- Requirements document

  - Not ready. (Behind schedule.)

- LArSoft CI Workshop

  - Plan calls for a functional system by middle of June

    - Expect some minimal infrastructure functioning by then

  - Need to build out a set of test suites

    - Some run on every commit trigger
    - Some run for every integration release
    - Some run for every production release

  - Would like to have a workshop at end of July / beginning of August

    - Have people from the experiments participate in fleshing these out
    - Goal will be to have a test suite ready (or development in progress) by the end
    - Looking for a summer student to help with preparing infrastructure in advance

Project priorities

- Make existing code work for both uBooNE and LBNE

    – Involves work on optimization and reconstruction workflows

- Integration system

    – Make this work and be useful

- Address open issue tickets

- Status of requests to mrb project

    – Make it shell agnostic

        • Almost done with this (!!)

    – Make it understand dependencies between repositories

        • Starting on this next

Experiment reports

- LBNE

- uBooNE

- LArIAT

- ArgoNeuT

Project status input

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