

# SCons Status March 4, 2009

## Minutes

### Release Manager Back End

The RHEL5 builds are working again after unix-admins reinstalled much. Now the ST builds are going, though there are still some issues with f2c. This might be a good time for Heather to try building ROOT v5.20 again.

LSF for the Macs is still down. Navid heard from Neal since last week who said he is still talking to platform and trying to get the problem escalated since there are other mac users with similar issues. In the meantime Navid has done manual compiles and found some past errors have come back. He is looking into those now, such as this one from Likelihood:

original error:

astro/build/tiger-i386-32bit-Debug/src/wcslib/fitshdr.os definition of common \_fitshdr\_hdr (size 16)

[09:08:45] Navid Golpayegani Id: common symbols not allowed with MH\_DYLIB output format with the -multi\_module option

Navid also notes that the Macs are slow to compile using SCons, where it takes 15 minutes to start compile. Navid is investigating whether this is due to a slow start to python or due to reading all the SCons files. After he has some statistics, he'll contact unix-admins.

u34/u38/u39 have been backed up. Before Tom left for Japan, he put some scripts together to archive. Wilko has been running the archiver and Navid has been debugging any problems. The backups are finished and now waiting for approval from Anders to erase the disks.

### Release Manager Front End

Karen reports that she implemented some comments made by Joanne and that they would be available on glast-ground soon.

No new news concerning RMViewer/Installer/TagCollector

#### Windows Support

SCons has a development release 1.2.0.d20090223 which Joanne has installed. This includes their updates for Windows. Joanne has also installed VS 2009 Professional Edition and has embarked on producing useable project files. In working to get a project that compiles, Joanne discovered a SCons variable that includes all the compiler flags and options. If she uses that, the compilation step works. Next up in the pre-link step, where a tool such as the one available in ROOT is used, Joanne is making progress. She has attached a current project file to her log web page. She was hoping to find a way for SCons to provide a list of objects but that seems to be unavailable. The current plan is to run a parse step where all \*.cxx and \*.c would be changed to a \*.obj - though Joanne is clearly not happy with having to do it this way. Once this is taken care of, next up is the link step.

### External Libraries

Emmanuel has been working on testing FRED and found in the documentation the recommendation to use Ruby 1.8.1 or 1.8.2.

rhel4 testing -- now going to rhel3

is now finding fox now -- need to always set up env var ld-library-path to point at

fox, but now, the issue is just failing with seg fault, and references a particular

line - rb line throws a seg fault

gcc3.4 compiler gcc32

Joanne suggests that at some point will want to put on schedule making externals for Windows. Heather will return to getting at least ROOT build, and then consider some of the others.

## Agenda

- Release Manager Status
  - Backend
    - Windows going again?
    - Mac - LSF woes Is there an ETA from unix-admins about getting that fixed?
      - How feasible is it to submit by hand?
    - rhel5 build status?
    - u35 status?
    - Other Issues?
  - rhel4 and rhel5
    - Any Babar news?
  - rh9 when does FSW plan to dump it?
  - Installer/ RMviewer /Tag Collector - Navid
    - user release status
      - Navid had mentioned passing info to Jim to grab installation - can this be put on Confluence?
    - developer release status
    - Version 0.5 current test release
    - available for testing from <ftp://ftp-glast.slac.stanford.edu/glast.u05/RMViewer/>
- Front End - Karen
  - Web Front End - Karen
    - <http://glast-ground.slac.stanford.edu/rm2/>
      - current test version is: <http://glast-tomcat03.slac.stanford.edu:8080/rm2/>
    - How to get checkout and compile output like RMViewer?
    - Recent Updates
      - Reformat time stamps
- SCons
  - 1.2.0 is now installed on SLAC AFS
- GoGui

- Alpha version available from u05/GoGui/0.9.3
  - [SCons and Windows - a Log](#)
- stag command line tagger now available
  - [SCons Command-line Tagger Proposal](#)
  - available for download from u05/stag
  - Pop in "EOH" into release.notes for those package that do not have it
  - Migrate to new tagging convention
- ST Builds
  - \*\*
- GR Builds
- [GlastRelease-scons v15r49 build status](#)
  - Need to check out using GlastRelease-15-49-00
  - Gleam package creates test\_Gleam app, no Gleam. I think we need to add a definition for the Gleam application into the Gleam SConscript file?
- [GlastRelease-scons build status](#)
  - \*\*
  - obf restructuring - Emmanuel,Navid,Joanne [Proposal for obf extlib Organization](#)
  - Migration of JO files to top-level
  - FRED and fox library
- CHS
  - Waiting for next tag for this to be built via RM2
- Externals
  - \*\*
  - ROOT upgrade v5.20 ready to go
    - Mac build status
    - RHEL5 build
  - Some linux externals are available for download from <ftp://ftp-glast.slac.stanford.edu/glast.u05/extlib/scons/Labels> parameters