

SCons alternative to CMT

This is a started confluence page for keeping track of issues/discussion/etc. related to using SCons as a replacement/alternative to CMT for managing Glast software builds and releases.

What is SCons?

(from their website)

SCons is an Open Source software construction tool---that is, a next-generation build tool. Think of SCons as an improved, cross-platform substitute for the classic Make utility with integrated functionality similar to autoconf/automake and compiler caches such as ccache. In short, SCons is an easier, more reliable and faster way to build software.

For full information about SCons see www.scons.org

Why SCons?

SCons is powered by Python making it an attractive alternative to CMT for use with GLAST software.

SCons is open source with a large community of active users.

SCons is well documented.

Potential Issues with SCons?

1. Level of support for Visual Studio?

Useful Sources of Information

- SCons command syntax manual located [here](#)
- SCons user manual can be found [here](#), or in pdf [here](#)
- SCons download pages located [here](#)
- SCons e-mail list archives for March [here](#) (note: very active community, I don't recommend subscribing)

E-mail Discussion Thread to Date

(I have tried to capture the e-mail thread from my inbox - apologies to all since I think I have missed some of the messages...)