

GammaLib - Bug #1826

Python wrappers are always removed after make clean

07/29/2016 10:26 AM - Knödlseeder Jürgen

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|---|--------------------|------------------------|------------|
| Status: | Closed | Start date: | 07/29/2016 |
| Priority: | Normal | Due date: | |
| Assigned To: | Knödlseeder Jürgen | % Done: | 100% |
| Category: | | Estimated time: | 0.00 hour |
| Target version: | 1.2.0 | | |
| Description | | | |
| <p>The Python wrappers are always remove after make clean, even if they were shipped with the software. The following sequence of commands leads to an error:</p> | | | |
| <pre>./configure make ./configure make clean make clang -fno-strict-aliasing -fno-common -dynamic -g -O2 -DNDEBUG -g -fwrapv -O3 -Wall -Wstrict-prototypes -I../include -I../inst/mwl/include -I../inst/cta/include -I../inst/lat/include -I../inst/com/include -I/usr/local/include -I/usr/local/opt/openssl/include -I/usr/local/opt/sqlite/include -I/usr/local/Cellar/python/2.7.11/Frameworks/Python.framework/Versions/2.7/include/python2.7 -c gammalib/app_wrap.cpp -o build/temp.macosx-10.11-x86_64-2.7/gammalib/app_wrap.o clang: error: no such file or directory: 'gammalib/app_wrap.cpp' clang: error: no input files error: command 'clang' failed with exit status 1 make[3]: *** [build] Error 1 make[2]: *** [all] Error 2 make[1]: *** [all-recursive] Error 1 make: *** [all] Error 2</pre> | | | |
| <p>The reason is that after the first ./configure & make the wrappers exist, then the second ./configure detects that and does not add the swig step to make. But the files are removed in the make clean step in any case due to the following sequence in Makefile.am:</p> | | | |
| <pre>clean-local: rm -rf build rm -rf \$(builddir)/gammalib/*.py rm -rf \$(builddir)/gammalib/*.pyc rm -rf \$(builddir)/gammalib/*_wrap.cpp rm -rf \$(builddir)/gammalib/*.so rm -rf \$(builddir)/gammalib/__pycache__</pre> | | | |
| <p>Changing this sequence to;</p> | | | |
| <pre>clean-local: rm -rf build if BUILD_WRAPPERS rm -rf \$(builddir)/gammalib/*.py rm -rf \$(builddir)/gammalib/*_wrap.cpp endif # BUILD_WRAPPERS rm -rf \$(builddir)/gammalib/*.pyc rm -rf \$(builddir)/gammalib/*.so rm -rf \$(builddir)/gammalib/__pycache__</pre> | | | |
| <p>should solve this. We need however to check whether make dist and make distcheck are still okay.</p> | | | |

History

#1 - 07/29/2016 10:26 AM - Knödseder Jürgen

- Subject changed from *Python wrappers are always remove after make clean* to *Python wrappers are always removed after make clean*

#2 - 07/29/2016 11:12 AM - Knödseder Jürgen

The following code fixed the problem:

```
clean-local:
  rm -rf build
if BUILD_WRAPPERS
  rm -rf $(builddir)/gammalib/*.py
  rm -rf $(builddir)/gammalib/*_wrap.cpp
else
  if test "x$(builddir)" != "x$(srcdir)"; then \
    rm -rf $(builddir)/gammalib/*.py; \
    rm -rf $(builddir)/gammalib/*_wrap.cpp; \
  fi
endif
  rm -rf $(builddir)/gammalib/*.pyc
  rm -rf $(builddir)/gammalib/*_*.so
  rm -rf $(builddir)/gammalib/___pycache__
```

I executed the following sequence for testing:

```
make distclean
./configure
make -j8
./configure
make clean
make -j8
make -j8 distcheck
```

#3 - 07/29/2016 12:42 PM - Knödseder Jürgen

- *Status changed from New to Closed*
- *Assigned To set to Knödseder Jürgen*
- *Target version set to 1.2.0*
- *% Done changed from 0 to 100*

Merged into devel.