



LCGTest

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LCGTest

- Based on LCGcmake test macros
- Uses ctest and cdash
- Divides build scripts from test scripts
- Builds and tests are independent tasks



Run methods

- Inside build script
- Trigger test after build job
- Trigger test in docker after build job

LCG_add_test

```
LCG_add_test(<name> TEST_COMMAND cmd [arg1... ]
             [PRE_COMMAND cmd [arg1...]]
             [POST_COMMAND cmd [arg1...]]
             [OUTPUT outfile] [ERROR errfile]
             [WORKING_DIRECTORY directory]
             [ENVIRONMENT var1=val1 var2=val2 ...]
             [DEPENDS test1 ...]
             [TIMEOUT seconds]
             [DEBUG]
             [SOURCE_DIR dir] [BINARY_DIR dir]
             [BUILD target] [PROJECT project]
             [BUILD_OPTIONS options]
             [PASSREGEX exp] [FAILREGEX exp]
             [LABELS label1 label2 ...])
```

Other macros

- LCG_add_multiple_tests(<pre-name> WILDCARD wildcard ...)
 - LCG_add_multiple_tests(test1 WIDCARD *.py)
- LCG_add_templated_tests(<name> FILEPATH file ...)
 - Name and test_command can contain \$N

wheel#wheel#.tar.gz	wheel
distribute#distribute#.tar.gz	#wheel
lxml#lxml#.tar.gz	##.tar.gz
genshi#Genshi#.tar.gz	##.zip
4suite#4Suite-XML#.tar.gz	#wheel2
	##.tar.gz



Current generic tests

- Test python external and build-in modules
- Is executable achievable through view
- Is executable runnable
- Check LCG dependencies and python packages dependencies



Problems

- Follow changes in LCGcmake
- Access to version
- Some tests require sources
- Other methods of accessing besides view
- More test cases