

FindGTest

Locate the Google C++ Testing Framework.

Imported targets

This module defines the following **IMPORTED** targets:

GTest::GTest

The Google Test `gtest` library, if found; adds `Thread::Thread` automatically

GTest::Main

The Google Test `gtest_main` library, if found

Result variables

This module will set the following variables in your project:

GTEST_FOUND

Found the Google Testing framework

GTEST_INCLUDE_DIRS

the directory containing the Google Test headers

The library variables below are set as normal variables. These contain debug/optimized keywords when a debugging library is found.

GTEST_LIBRARIES

The Google Test `gtest` library; note it also requires linking with an appropriate thread library

GTEST_MAIN_LIBRARIES

The Google Test `gtest_main` library

GTEST_BOTH_LIBRARIES

Both `gtest` and `gtest_main`

Cache variables

The following cache variables may also be set:

GTEST_ROOT

The root directory of the Google Test installation (may also be set as an environment variable)

GTEST_MSVC_SEARCH

If compiling with MSVC, this variable can be set to `MT` or `MD` (the default) to enable searching a GTest build tree

Example usage

```
enable_testing()
find_package(GTest REQUIRED)

add_executable(foo foo.cc)
target_link_libraries(foo GTest::GTest GTest::Main)

add_test(AllTestsInFoo foo)
```

Deeper integration with CTest

See [GoogleTest](#) for information on the `gtest_add_tests()` and `gtest_discover_tests()` commands.