

cmake-variables(7)

Contents

- cmake-variables(7)
 - Variables that Provide Information
 - Variables that Change Behavior
 - Variables that Describe the System
 - Variables that Control the Build
 - Variables for Languages
 - Variables for CTest
 - Variables for CPack

Variables that Provide Information

- CMAKE_ARGC
- CMAKE_ARGV0
- CMAKE_AR
- CMAKE_BINARY_DIR
- CMAKE_BUILD_TOOL
- CMAKE_CACHEFILE_DIR
- CMAKE_CACHE_MAJOR_VERSION
- CMAKE_CACHE_MINOR_VERSION
- CMAKE_CACHE_PATCH_VERSION
- CMAKE_CFG_INTDIR
- CMAKE_COMMAND
- CMAKE_CROSSCOMPILING
- CMAKE_CROSSCOMPILING_EMULATOR
- CMAKE_CTEST_COMMAND
- CMAKE_CURRENT_BINARY_DIR
- CMAKE_CURRENT_LIST_DIR
- CMAKE_CURRENT_LIST_FILE
- CMAKE_CURRENT_LIST_LINE
- CMAKE_CURRENT_SOURCE_DIR
- CMAKE_DL_LIBS
- CMAKE_EDIT_COMMAND
- CMAKE_EXECUTABLE_SUFFIX
- CMAKE_EXTRA_GENERATOR
- CMAKE_EXTRA_SHARED_LIBRARY_SUFFIXES
- CMAKE_FIND_PACKAGE_NAME
- CMAKE_GENERATOR
- CMAKE_GENERATOR_PLATFORM
- CMAKE_GENERATOR_TOOLSET
- CMAKE_HOME_DIRECTORY
- CMAKE_IMPORT_LIBRARY_PREFIX
- CMAKE_IMPORT_LIBRARY_SUFFIX

- CMAKE_JOB_POOL_COMPILE
- CMAKE_JOB_POOL_LINK
- CMAKE_LINK_LIBRARY_SUFFIX
- CMAKE_MAJOR_VERSION
- CMAKE_MAKE_PROGRAM
- CMAKE_MATCH_COUNT
- CMAKE_MINIMUM_REQUIRED_VERSION
- CMAKE_MINOR_VERSION
- CMAKE_PARENT_LIST_FILE
- CMAKE_PATCH_VERSION
- CMAKE_PROJECT_NAME
- CMAKE_RANLIB
- CMAKE_ROOT
- CMAKE_SCRIPT_MODE_FILE
- CMAKE_SHARED_LIBRARY_PREFIX
- CMAKE_SHARED_LIBRARY_SUFFIX
- CMAKE_SHARED_MODULE_PREFIX
- CMAKE_SHARED_MODULE_SUFFIX
- CMAKE_SIZEOF_VOID_P
- CMAKE_SKIP_INSTALL_RULES
- CMAKE_SKIP_RPATH
- CMAKE_SOURCE_DIR
- CMAKE_STANDARD_LIBRARIES
- CMAKE_STATIC_LIBRARY_PREFIX
- CMAKE_STATIC_LIBRARY_SUFFIX
- CMAKE_TOOLCHAIN_FILE
- CMAKE_TWEAK_VERSION
- CMAKE_VERBOSE_MAKEFILE
- CMAKE_VERSION
- CMAKE_VS_DEVENV_COMMAND
- CMAKE_VS_INTEL_Fortran_PROJECT_VERSION
- CMAKE_VS_MSBUILD_COMMAND
- CMAKE_VS_MSDEV_COMMAND
- CMAKE_VS_NsightTegra_VERSION
- CMAKE_VS_PLATFORM_NAME
- CMAKE_VS_PLATFORM_TOOLSET
- CMAKE_XCODE_PLATFORM_TOOLSET
- PROJECT_BINARY_DIR
- <PROJECT-NAME>_BINARY_DIR
- PROJECT_NAME
- <PROJECT-NAME>_SOURCE_DIR
- <PROJECT-NAME>_VERSION
- <PROJECT-NAME>_VERSION_MAJOR
- <PROJECT-NAME>_VERSION_MINOR
- <PROJECT-NAME>_VERSION_PATCH
- <PROJECT-NAME>_VERSION_TWEAK
- PROJECT_SOURCE_DIR
- PROJECT_VERSION
- PROJECT_VERSION_MAJOR

- PROJECT_VERSION_MINOR
- PROJECT_VERSION_PATCH
- PROJECT_VERSION_TWEAK

Variables that Change Behavior

- BUILD_SHARED_LIBS
- CMAKE_ABSOLUTE_DESTINATION_FILES
- CMAKE_APPBUNDLE_PATH
- CMAKE_AUTOMOC_RELAXED_MODE
- CMAKE_BACKWARDS_COMPATIBILITY
- CMAKE_BUILD_TYPE
- CMAKE_COLOR_MAKEFILE
- CMAKE_CONFIGURATION_TYPES
- CMAKE_DEBUG_TARGET_PROPERTIES
- CMAKE_DISABLE_FIND_PACKAGE_<PackageName>
- CMAKE_ERROR_DEPRECATED
- CMAKE_ERROR_ON_ABSOLUTE_INSTALL_DESTINATION
- CMAKE_EXPORT_NO_PACKAGE_REGISTRY
- CMAKE_SYSROOT
- CMAKE_FIND_LIBRARY_PREFIXES
- CMAKE_FIND_LIBRARY_SUFFIXES
- CMAKE_FIND_NO_INSTALL_PREFIX
- CMAKE_FIND_PACKAGE_NO_PACKAGE_REGISTRY
- CMAKE_FIND_PACKAGE_NO_SYSTEM_PACKAGE_REGISTRY
- CMAKE_FIND_PACKAGE_WARN_NO_MODULE
- CMAKE_FIND_ROOT_PATH
- CMAKE_FIND_ROOT_PATH_MODE_INCLUDE
- CMAKE_FIND_ROOT_PATH_MODE_LIBRARY
- CMAKE_FIND_ROOT_PATH_MODE_PACKAGE
- CMAKE_FIND_ROOT_PATH_MODE_PROGRAM
- CMAKE_FRAMEWORK_PATH
- CMAKE_IGNORE_PATH
- CMAKE_INCLUDE_PATH
- CMAKE_INCLUDE_DIRECTORIES_BEFORE
- CMAKE_INCLUDE_DIRECTORIES_PROJECT_BEFORE
- CMAKE_INSTALL_DEFAULT_COMPONENT_NAME
- CMAKE_INSTALL_MESSAGE
- CMAKE_INSTALL_PREFIX
- CMAKE_LIBRARY_PATH
- CMAKE_MFC_FLAG
- CMAKE_MODULE_PATH
- CMAKE_NOT_USING_CONFIG_FLAGS
- CMAKE_POLICY_DEFAULT_CMP<NNNN>
- CMAKE_POLICY_WARNING_CMP<NNNN>
- CMAKE_PREFIX_PATH
- CMAKE_PROGRAM_PATH
- CMAKE_PROJECT_<PROJECT-NAME>_INCLUDE

- CMAKE_SKIP_INSTALL_ALL_DEPENDENCY
- CMAKE_STAGING_PREFIX
- CMAKE_SYSTEM_IGNORE_PATH
- CMAKE_SYSTEM_INCLUDE_PATH
- CMAKE_SYSTEM_LIBRARY_PATH
- CMAKE_SYSTEM_PREFIX_PATH
- CMAKE_SYSTEM_PROGRAM_PATH
- CMAKE_USER_MAKE_RULES_OVERRIDE
- CMAKE_WARN_DEPRECATED
- CMAKE_WARN_ON_ABSOLUTE_INSTALL_DESTINATION

Variables that Describe the System

- APPLE
- BORLAND
- CMAKE_CL_64
- CMAKE_COMPILER_2005
- CMAKE_HOST_APPLE
- CMAKE_HOST_SYSTEM_NAME
- CMAKE_HOST_SYSTEM_PROCESSOR
- CMAKE_HOST_SYSTEM
- CMAKE_HOST_SYSTEM_VERSION
- CMAKE_HOST_UNIX
- CMAKE_HOST_WIN32
- CMAKE_LIBRARY_ARCHITECTURE_REGEX
- CMAKE_LIBRARY_ARCHITECTURE
- CMAKE_OBJECT_PATH_MAX
- CMAKE_SYSTEM_NAME
- CMAKE_SYSTEM_PROCESSOR
- CMAKE_SYSTEM
- CMAKE_SYSTEM_VERSION
- CYGWIN
- ENV
- GHS-MULTI
- MINGW
- MSVC10
- MSVC11
- MSVC12
- MSVC14
- MSVC60
- MSVC70
- MSVC71
- MSVC80
- MSVC90
- MSVC_IDE
- MSVC
- MSVC_VERSION
- UNIX

- WIN32
- WINCE
- WINDOWS_PHONE
- WINDOWS_STORE
- XCODE_VERSION

Variables that Control the Build

- CMAKE_ANDROID_API
- CMAKE_ANDROID_API_MIN
- CMAKE_ANDROID_GUI
- CMAKE_ARCHIVE_OUTPUT_DIRECTORY
- CMAKE_ARCHIVE_OUTPUT_DIRECTORY_<CONFIG>
- CMAKE_AUTOMOC_MOC_OPTIONS
- CMAKE_AUTOMOC
- CMAKE_AUTORCC
- CMAKE_AUTORCC_OPTIONS
- CMAKE_AUTOUIC
- CMAKE_AUTOUIC_OPTIONS
- CMAKE_BUILD_WITH_INSTALL_RPATH
- CMAKE_COMPILE_PDB_OUTPUT_DIRECTORY
- CMAKE_COMPILE_PDB_OUTPUT_DIRECTORY_<CONFIG>
- CMAKE_<CONFIG>_POSTFIX
- CMAKE_DEBUG_POSTFIX
- CMAKE_EXE_LINKER_FLAGS_<CONFIG>
- CMAKE_EXE_LINKER_FLAGS
- CMAKE_Fortran_FORMAT
- CMAKE_Fortran_MODULE_DIRECTORY
- CMAKE_GNUtoMS
- CMAKE_INCLUDE_CURRENT_DIR_IN_INTERFACE
- CMAKE_INCLUDE_CURRENT_DIR
- CMAKE_INSTALL_NAME_DIR
- CMAKE_INSTALL_RPATH
- CMAKE_INSTALL_RPATH_USE_LINK_PATH
- CMAKE_<LANG>_INCLUDE_WHAT_YOU_USE
- CMAKE_<LANG>_VISIBILITY_PRESET
- CMAKE_LIBRARY_OUTPUT_DIRECTORY
- CMAKE_LIBRARY_OUTPUT_DIRECTORY_<CONFIG>
- CMAKE_LIBRARY_PATH_FLAG
- CMAKE_LINK_DEF_FILE_FLAG
- CMAKE_LINK_DEPENDS_NO_SHARED
- CMAKE_LINK_INTERFACE_LIBRARIES
- CMAKE_LINK_LIBRARY_FILE_FLAG
- CMAKE_LINK_LIBRARY_FLAG
- CMAKE_MACOSX_BUNDLE
- CMAKE_MACOSX_RPATH
- CMAKE_MAP_IMPORTED_CONFIG_<CONFIG>
- CMAKE_MODULE_LINKER_FLAGS_<CONFIG>

- CMAKE_MODULE_LINKER_FLAGS
- CMAKE_NO_BUILTIN_CHRPATH
- CMAKE_NO_SYSTEM_FROM_IMPORTED
- CMAKE_OSX_ARCHITECTURES
- CMAKE_OSX_DEPLOYMENT_TARGET
- CMAKE_OSX_SYSROOT
- CMAKE_PDB_OUTPUT_DIRECTORY
- CMAKE_PDB_OUTPUT_DIRECTORY_<CONFIG>
- CMAKE_POSITION_INDEPENDENT_CODE
- CMAKE_RUNTIME_OUTPUT_DIRECTORY
- CMAKE_RUNTIME_OUTPUT_DIRECTORY_<CONFIG>
- CMAKE_SHARED_LINKER_FLAGS_<CONFIG>
- CMAKE_SHARED_LINKER_FLAGS
- CMAKE_SKIP_BUILD_RPATH
- CMAKE_SKIP_INSTALL_RPATH
- CMAKE_STATIC_LINKER_FLAGS_<CONFIG>
- CMAKE_STATIC_LINKER_FLAGS
- CMAKE_TRY_COMPILE_CONFIGURATION
- CMAKE_USE_RELATIVE_PATHS
- CMAKE_VISIBILITY_INLINES_HIDDEN
- CMAKE_VS_INCLUDE_INSTALL_TO_DEFAULT_BUILD
- CMAKE_WIN32_EXECUTABLE
- CMAKE_XCODE_ATTRIBUTE_<an-attribute>
- EXECUTABLE_OUTPUT_PATH
- LIBRARY_OUTPUT_PATH

Variables for Languages

- CMAKE_COMPILER_IS_GNU<LANG>
- CMAKE_C_COMPILE_FEATURES
- CMAKE_C_EXTENSIONS
- CMAKE_C_STANDARD
- CMAKE_C_STANDARD_REQUIRED
- CMAKE_CXX_COMPILE_FEATURES
- CMAKE_CXX_EXTENSIONS
- CMAKE_CXX_STANDARD
- CMAKE_CXX_STANDARD_REQUIRED
- CMAKE_Fortran_MODDIR_DEFAULT
- CMAKE_Fortran_MODDIR_FLAG
- CMAKE_Fortran_MODOUT_FLAG
- CMAKE_INTERNAL_PLATFORM_ABI
- CMAKE_<LANG>_ARCHIVE_APPEND
- CMAKE_<LANG>_ARCHIVE_CREATE
- CMAKE_<LANG>_ARCHIVE_FINISH
- CMAKE_<LANG>_COMPILE_OBJECT
- CMAKE_<LANG>_COMPILER_ABI
- CMAKE_<LANG>_COMPILER_ID
- CMAKE_<LANG>_COMPILER_LOADED

- CMAKE_<LANG>_COMPILER
- CMAKE_<LANG>_COMPILER_EXTERNAL_TOOLCHAIN
- CMAKE_<LANG>_COMPILER_TARGET
- CMAKE_<LANG>_COMPILER_VERSION
- CMAKE_<LANG>_CREATE_SHARED_LIBRARY
- CMAKE_<LANG>_CREATE_SHARED_MODULE
- CMAKE_<LANG>_CREATE_STATIC_LIBRARY
- CMAKE_<LANG>_FLAGS_DEBUG
- CMAKE_<LANG>_FLAGS_MINSIZEREL
- CMAKE_<LANG>_FLAGS_RELEASE
- CMAKE_<LANG>_FLAGS_RELWITHDEBINFO
- CMAKE_<LANG>_FLAGS
- CMAKE_<LANG>_GHS_KERNEL_FLAGS_DEBUG
- CMAKE_<LANG>_GHS_KERNEL_FLAGS_MINSIZEREL
- CMAKE_<LANG>_GHS_KERNEL_FLAGS_RELEASE
- CMAKE_<LANG>_GHS_KERNEL_FLAGS_RELWITHDEBINFO
- CMAKE_<LANG>_IGNORE_EXTENSIONS
- CMAKE_<LANG>_IMPLICIT_INCLUDE_DIRECTORIES
- CMAKE_<LANG>_IMPLICIT_LINK_DIRECTORIES
- CMAKE_<LANG>_IMPLICIT_LINK_FRAMEWORK_DIRECTORIES
- CMAKE_<LANG>_IMPLICIT_LINK_LIBRARIES
- CMAKE_<LANG>_LIBRARY_ARCHITECTURE
- CMAKE_<LANG>_LINKER_PREFERENCE_PROPAGATES
- CMAKE_<LANG>_LINKER_PREFERENCE
- CMAKE_<LANG>_LINK_EXECUTABLE
- CMAKE_<LANG>_OUTPUT_EXTENSION
- CMAKE_<LANG>_PLATFORM_ID
- CMAKE_<LANG>_SIMULATE_ID
- CMAKE_<LANG>_SIMULATE_VERSION
- CMAKE_<LANG>_SIZEOF_DATA_PTR
- CMAKE_<LANG>_SOURCE_FILE_EXTENSIONS
- CMAKE_USER_MAKE_RULES_OVERRIDE_<LANG>

Variables for CTest

- CTEST_BINARY_DIRECTORY
- CTEST_BUILD_COMMAND
- CTEST_BUILD_NAME
- CTEST_BZR_COMMAND
- CTEST_BZR_UPDATE_OPTIONS
- CTEST_CHECKOUT_COMMAND
- CTEST_CONFIGURATION_TYPE
- CTEST_CONFIGURE_COMMAND
- CTEST_COVERAGE_COMMAND
- CTEST_COVERAGE_EXTRA_FLAGS
- CTEST_CURL_OPTIONS
- CTEST_CVS_CHECKOUT
- CTEST_CVS_COMMAND

- CTEST_CVS_UPDATE_OPTIONS
- CTEST_DROP_LOCATION
- CTEST_DROP_METHOD
- CTEST_DROP_SITE
- CTEST_DROP_SITE_CDASH
- CTEST_DROP_SITE_PASSWORD
- CTEST_DROP_SITE_USER
- CTEST_GIT_COMMAND
- CTEST_GIT_UPDATE_CUSTOM
- CTEST_GIT_UPDATE_OPTIONS
- CTEST_HG_COMMAND
- CTEST_HG_UPDATE_OPTIONS
- CTEST_MEMORYCHECK_COMMAND
- CTEST_MEMORYCHECK_COMMAND_OPTIONS
- CTEST_MEMORYCHECK_SANITIZER_OPTIONS
- CTEST_MEMORYCHECK_SUPPRESSIONS_FILE
- CTEST_MEMORYCHECK_TYPE
- CTEST_NIGHTLY_START_TIME
- CTEST_P4_CLIENT
- CTEST_P4_COMMAND
- CTEST_P4_OPTIONS
- CTEST_P4_UPDATE_OPTIONS
- CTEST_SCP_COMMAND
- CTEST_SITE
- CTEST_SOURCE_DIRECTORY
- CTEST_SVN_COMMAND
- CTEST_SVN_OPTIONS
- CTEST_SVN_UPDATE_OPTIONS
- CTEST_TEST_TIMEOUT
- CTEST_TRIGGER_SITE
- CTEST_UPDATE_COMMAND
- CTEST_UPDATE_OPTIONS
- CTEST_UPDATE_VERSION_ONLY
- CTEST_USE_LAUNCHERS

Variables for CPack

- CPACK_ABSOLUTE_DESTINATION_FILES
- CPACK_COMPONENT_INCLUDE_TOPLEVEL_DIRECTORY
- CPACK_ERROR_ON_ABSOLUTE_INSTALL_DESTINATION
- CPACK_INCLUDE_TOPLEVEL_DIRECTORY
- CPACK_INSTALL_SCRIPT
- CPACK_PACKAGING_INSTALL_PREFIX
- CPACK_SET_DESTDIR
- CPACK_WARN_ON_ABSOLUTE_INSTALL_DESTINATION