# MinHook - The Minimalistic API Hooking Library for x64/x86

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cmake\_minimum\_required(VERSION 3.0)

project(minhook LANGUAGES C)

include(CMakePackageConfigHelpers)

set(MINHOOK\_MAJOR\_VERSION 1)

set(MINHOOK\_MINOR\_VERSION 3)

set(MINHOOK\_PATCH\_VERSION 3)

set(MINHOOK\_VERSION ${MINHOOK\_MAJOR\_VERSION}.${MINHOOK\_MINOR\_VERSION}.${MINHOOK\_PATCH\_VERSION})

################

# BUILD #

################

option(BUILD\_SHARED\_LIBS "build shared version" OFF)

set(SOURCES\_MINHOOK

"src/buffer.c"

"src/hook.c"

"src/trampoline.c"

)

if(CMAKE\_SIZEOF\_VOID\_P EQUAL 8)

set(SOURCES\_HDE "src/hde/hde64.c")

else()

set(SOURCES\_HDE "src/hde/hde32.c")

endif()

if(BUILD\_SHARED\_LIBS)

set(RESOURCES

"dll\_resources/MinHook.rc"

"dll\_resources/MinHook.def"

)

endif()

add\_library(minhook ${SOURCES\_MINHOOK} ${SOURCES\_HDE} ${RESOURCES})

target\_include\_directories(minhook PUBLIC

$<BUILD\_INTERFACE:${CMAKE\_CURRENT\_SOURCE\_DIR}/include/>

$<INSTALL\_INTERFACE:include>

)

target\_include\_directories(minhook PRIVATE "src/")

target\_include\_directories(minhook PRIVATE "src/hde/")

if(WIN32)

set\_target\_properties(minhook PROPERTIES PREFIX "")

if(CMAKE\_SIZEOF\_VOID\_P EQUAL 8)

set\_target\_properties(minhook PROPERTIES DEBUG\_POSTFIX ".x64d")

set\_target\_properties(minhook PROPERTIES RELEASE\_POSTFIX ".x64")

set\_target\_properties(minhook PROPERTIES RELWITHDEBINFO\_POSTFIX ".x64")

set\_target\_properties(minhook PROPERTIES MINSIZEREL\_POSTFIX ".x64")

else()

set\_target\_properties(minhook PROPERTIES DEBUG\_POSTFIX ".x32d")

set\_target\_properties(minhook PROPERTIES RELEASE\_POSTFIX ".x32")

set\_target\_properties(minhook PROPERTIES RELWITHDEBINFO\_POSTFIX ".x32")

set\_target\_properties(minhook PROPERTIES MINSIZEREL\_POSTFIX ".x32")

endif()

else()

set\_target\_properties(minhook PROPERTIES PREFIX "lib")

set\_target\_properties(minhook PROPERTIES POSTFIX "")

set\_target\_properties(minhook PROPERTIES DEBUG\_POSTFIX "d")

endif()

################

# CMAKE CONFIG #

################

configure\_package\_config\_file(

"cmake/minhook-config.cmake.in"

"minhook-config.cmake"

INSTALL\_DESTINATION

"lib/minhook"

)

write\_basic\_package\_version\_file(

"minhook-config-version.cmake"

VERSION

${MINHOOK\_VERSION}

COMPATIBILITY

AnyNewerVersion

)

install(

FILES

"${CMAKE\_CURRENT\_BINARY\_DIR}/minhook-config.cmake"

"${CMAKE\_CURRENT\_BINARY\_DIR}/minhook-config-version.cmake"

DESTINATION

"lib/minhook"

)

###################

# INSTALL #

###################

install(TARGETS minhook

EXPORT minhook-targets

RUNTIME DESTINATION "bin"

ARCHIVE DESTINATION "lib"

LIBRARY DESTINATION "lib"

)

install(

EXPORT

minhook-targets

NAMESPACE

minhook::

DESTINATION

"lib/minhook"

)

install(

DIRECTORY include DESTINATION .

)