# CMake build for libtiff

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# Written by Roger Leigh <rleigh@codelibre.net>

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# Generate headers

configure\_file(${CMAKE\_CURRENT\_SOURCE\_DIR}/tif\_config.h.cmake.in

${CMAKE\_CURRENT\_BINARY\_DIR}/tif\_config.h

@ONLY)

configure\_file(${CMAKE\_CURRENT\_SOURCE\_DIR}/tiffconf.h.cmake.in

${CMAKE\_CURRENT\_BINARY\_DIR}/tiffconf.h

@ONLY)

extra\_dist(

SConstruct

tif\_config.h-vms

tif\_config.vc.h

tif\_config.wince.h

tiffconf.vc.h

tiffconf.wince.h

libtiff.def

libtiff.map

libtiffxx.map)

set(tiff\_HEADERS

tiff.h

tiffio.h

tiffvers.h)

set(tiff\_noinst\_HEADERS

t4.h

tif\_dir.h

tif\_predict.h

tiffiop.h

uvcode.h)

set(nodist\_tiff\_HEADERS

${CMAKE\_CURRENT\_BINARY\_DIR}/tiffconf.h)

set(tiff\_SOURCES

tif\_aux.c

tif\_close.c

tif\_codec.c

tif\_color.c

tif\_compress.c

tif\_dir.c

tif\_dirinfo.c

tif\_dirread.c

tif\_dirwrite.c

tif\_dumpmode.c

tif\_error.c

tif\_extension.c

tif\_fax3.c

tif\_fax3sm.c

tif\_flush.c

tif\_getimage.c

tif\_jbig.c

tif\_jpeg.c

tif\_jpeg\_12.c

tif\_luv.c

tif\_lzma.c

tif\_lzw.c

tif\_next.c

tif\_ojpeg.c

tif\_open.c

tif\_packbits.c

tif\_pixarlog.c

tif\_predict.c

tif\_print.c

tif\_read.c

tif\_strip.c

tif\_swab.c

tif\_thunder.c

tif\_tile.c

tif\_version.c

tif\_warning.c

tif\_write.c

tif\_zip.c)

set(tiffxx\_HEADERS

tiffio.hxx)

set(tiffxx\_SOURCES

tif\_stream.cxx)

if(WIN32\_IO)

extra\_dist(tif\_unix.c)

list(APPEND tiff\_SOURCES tif\_win32.c)

else()

extra\_dist(tif\_win32.c)

list(APPEND tiff\_SOURCES tif\_unix.c)

endif()

include\_directories(${CMAKE\_CURRENT\_SOURCE\_DIR}

${CMAKE\_CURRENT\_BINARY\_DIR}

${TIFF\_INCLUDES})

add\_library(tiff ${tiff\_SOURCES} ${tiff\_HEADERS} ${nodist\_tiff\_HEADERS}

${tiff\_port\_SOURCES} libtiff.def)

target\_link\_libraries(tiff ${TIFF\_LIBRARY\_DEPS})

set\_target\_properties(tiff PROPERTIES SOVERSION ${SO\_COMPATVERSION})

if(NOT CYGWIN)

# This property causes shared libraries on Linux to have the full version

# encoded into their final filename. We disable this on Cygwin because

# it causes cygz-${TIFF\_FULL\_VERSION}.dll to be created when cygz.dll

# seems to be the default.

set\_target\_properties(tiff PROPERTIES VERSION ${SO\_VERSION})

endif()

if(HAVE\_LD\_VERSION\_SCRIPT)

set\_target\_properties(tiff PROPERTIES LINK\_FLAGS

"-Wl,--version-script=${CMAKE\_CURRENT\_SOURCE\_DIR}/libtiff.map")

endif()

install(TARGETS tiff

RUNTIME DESTINATION ${CMAKE\_INSTALL\_FULL\_BINDIR}

LIBRARY DESTINATION ${CMAKE\_INSTALL\_FULL\_LIBDIR}

ARCHIVE DESTINATION ${CMAKE\_INSTALL\_FULL\_LIBDIR})

install(FILES ${tiff\_HEADERS} ${nodist\_tiff\_HEADERS}

DESTINATION "${CMAKE\_INSTALL\_FULL\_INCLUDEDIR}")

if(cxx)

add\_library(tiffxx ${tiffxx\_SOURCES} ${tiffxx\_HEADERS})

target\_link\_libraries(tiffxx tiff)

set\_target\_properties(tiffxx PROPERTIES SOVERSION ${SO\_COMPATVERSION})

if(NOT CYGWIN)

# This property causes shared libraries on Linux to have the full version

# encoded into their final filename. We disable this on Cygwin because

# it causes cygz-${TIFF\_FULL\_VERSION}.dll to be created when cygz.dll

# seems to be the default.

set\_target\_properties(tiffxx PROPERTIES VERSION ${SO\_VERSION})

endif()

if(HAVE\_LD\_VERSION\_SCRIPT)

set\_target\_properties(tiffxx PROPERTIES LINK\_FLAGS

"-Wl,--version-script=${CMAKE\_CURRENT\_SOURCE\_DIR}/libtiffxx.map")

endif()

install(TARGETS tiffxx

RUNTIME DESTINATION ${CMAKE\_INSTALL\_FULL\_BINDIR}

LIBRARY DESTINATION ${CMAKE\_INSTALL\_FULL\_LIBDIR}

ARCHIVE DESTINATION ${CMAKE\_INSTALL\_FULL\_LIBDIR})

install(FILES ${tiffxx\_HEADERS}

DESTINATION "${CMAKE\_INSTALL\_FULL\_INCLUDEDIR}")

endif()