Building wxMSW port with Win32 MSys2 backend

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The MSys2 website is http://www.msys2.org/

These building steps are NOT the normal way to build MSys2 MinGW packages.

But, they are a way the wxWidgets developers can test that wxWidgets

can build the wxMSW libraries under MSys2 MinGW.

For the MSys2 way please see https://github.com/Alexpux/MINGW-packages

Building steps:

#Note: The "#" is used in front of a comment to help the people who cut

# and paste these directions.

#1. Install the mingw32 packages needed to build wxMSW using the

# configure/make build method.

# From the MSys2 prompt or MSys2 MinGW prompt:

# The 32 bit Mingw packages are prefixed with "mingw-w64-i686-";

# Change the prefix to "mingw-w64-x86\_64-" if you wish to do 64 bit.

pacman -S --needed --noconfirm make

pacman -S --needed --noconfirm mingw-w64-i686-libjpeg-turbo

pacman -S --needed --noconfirm mingw-w64-i686-libpng

pacman -S --needed --noconfirm mingw-w64-i686-libtiff

pacman -S --needed --noconfirm mingw-w64-i686-gcc

# Packages that are needed but are normally installed already.

pacman -S --needed --noconfirm mingw-w64-i686-gcc-libs

pacman -S --needed --noconfirm mingw-w64-i686-expat

pacman -S --needed --noconfirm mingw-w64-i686-xz

pacman -S --needed --noconfirm mingw-w64-i686-zlib

#2. Build the wxMSW static library

#2a.Open MSys2 MinGW Prompt

# (These steps were tested on MinGW32; but, should work under MinGW64)

#2b.Use the cd command to change directory to the wxWidgets top folder.

#2c.Create the "build-msw-static" folder to build the static libraries

mkdir -p build-msw-static

#2d.Configure wxWidgets

# Option "--disable-precomp-headers" is NOT needed.

# I am doing it to check for compile issues;

# And, I think my old 32 bit Windows machine

# works best with it disabled.

cd build-msw-static && \

../configure --with-msw \

--disable-shared \

--disable-precomp-headers \

&& cd ..

#2e.make the wxMSW static libraries

cd build-msw-static && make && cd ..

#3 Build and run the minimal static sample

#3a.Clean the minimal sample

cd build-msw-static/samples/minimal && make clean && cd ../../..

#3b.Build the minimal sample

cd build-msw-static/samples/minimal && make && cd ../../..

#3c.Run the minimal sample

./build-msw-static/samples/minimal/minimal.exe

#4 Clean the static samples

cd build-msw-static/samples && make clean && cd ../..

#5 Build and run the typetest static sample to verify MIME database works

cd build-msw-static/samples/typetest && make && cd ../../..

./build-msw-static/samples/typetest/typetest.exe

#6 Build and run the drawing static sample

cd build-msw-static/samples/drawing && make && cd ../../..

cd samples/drawing && ../../build-msw-static/samples/drawing/drawing.exe && cd ../..

#7 Build and run the splash static sample

cd build-msw-static/samples/splash && make && cd ../../..

cd samples/splash && ../../build-msw-static/samples/splash/splash.exe && cd ../..

#8 Build and run the widgets static sample

cd build-msw-static/samples/widgets && make && cd ../../..

cd samples/widgets && ../../build-msw-static/samples/widgets/widgets.exe && cd ../..

#9 Build all the rest of the static samples

cd build-msw-static/samples && make && cd ../..