

MinGW Compiler

I have been using [MinGW \(Minimalist GNU for Windows\)](#) to build my code for Windows platform. It has changed a bit since I last used it to build a cross compiler for my class. So, I want to keep a note on how I build using latest binaries. The project has moved [here](#).

Installing MinGW:

- Get the 'package manager' from [here](#)
 - version 0.6.3 (beta) at the moment
 - I prefer the [standalone binary](#) (no setup)
- Pick a location and extract the zip file
 - I choose C:\Users\Public\Tool
 - change the folder name so that we have C:\Users\Public\Tool\mingw\bin\mingw-get.exe
- Prepare to use mingw-get binary
 - cd C:\Users\Public\Tool\mingw\var\lib\mingw-get\data\
 - copy defaults.xml profile.xml
- Open a command prompt and update catalogue
 - cd C:\Users\Public\Tool\mingw\bin\
 - mingw-get.exe update
- Get stuffs (compiler with Unix-like environment) without using GUI
 - mingw-get.exe install gcc g++ gmp mpfr mpc msys msys-wget-bin
- To get GUI interface install mingw-get (apparently, we are NOT running mingw-get! 😎)
 - mingw-get.exe install mingw-get
 - now, a window will come up when you run mingw-get

Note20211207 Current software versions {gcc:9.2.0,binutils:2.32}

Some useful things to do:

- Get [helper script\(s\)](#) - I wrote that for personal use
 - copy everything (except LICENSE, README.md and msys2.vbs) to C:\Users\Public\Tool\mingw
 - allows environment to be used on shared computer (no need for admin account)
- Running msys.vbs (*Hint*: double-click) will install (or remove if already installed) a pop-up context menu entry (MinGW Shell) whenever you right-click on a folder in Windows Explorer
 - edit C:\Users\Public\Tool\mingw\msys\1.0\etc\profile and comment (place '#' at the beginning of) the last line with cd \$HOME command
- To have git in MinGW shell, install Git-for-Windows at C:\Users\Public\Tool\Git
 - edit C:\Users\Public\Tool\mingw\msys\1.0\etc\profile and insert PATH="/c/users/public/tool/git/bin:\$PATH" before the block containing an export PATH line(s)
- Running mingw-setup.bat sets up normal command prompt for command-line compilation
 - place mingw-term.bat script in any folder - when executed, it will open a command prompt (with MinGW path properly configured) in that folder
- Running mingw-clear.bat cleans up settings created by mingw-setup.bat

Installing wxWidgets

This is what I recommend to my students when developing cross-platform GUI solution. I now compile from source because I can never completely download the pre-built binaries... problem with my uni's

network maybe? 😞

Obviously, MinGW must already be installed.

- Get the source file from [here](#)
 - since we are compiling on MinGW, get the 'source for Linux...' (I got wxWidgets-3.0.3.tar.bz2)
 - extract (can be done in MinGW shell: `tar xf <file>`)
- Compile... (**note**: '\$' is the prompt)

```
$ ./configure --prefix=/c/Users/Public/Tool/wxwidgets --disable-shared  
$ make  
$ make install
```

work in progress...

From:

<https://azman.my1matrix.cc/> - Azman @MY1

Permanent link:

https://azman.my1matrix.cc/doku.php?id=notes:csys:mingw_compiler

Last update: **2026/04/27 05:18**

