# Install GHC 9

## Haskell

For Aristotle or a web example:

Refresh:

Delete store

C:\Users\lawle\AppData\Roaming\cabal\store\ghc-9.0.1\

ghci will not open until there cabal repopulates

The following repeated installs were needed until they finally succeeded.

'cabal install --lib ' was needed to expose installed but hidden libraries.

In Powershell

cabal --version

cabal update

cabal install --lib word8

cabal install --lib aeson

cabal install --lib aeson

cabal install -j --disable-tests wreq

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cabal install -j --disable-tests wreq

cabal install --lib wreq

cabal install --lib lens

cabal install --lib lens-aeson

cabal install --lib http-client

cabal install cassava (not needed - maybe in wreq)

## pacman

The initial install occurs when GHC is installed.

But this is incomplete.

See:

https://gitlab.haskell.org/ghc/ghc/-/wikis/building/preparation/windows

In msys2\_shell

Enter the sync command, until all up to date:

$ pacman -Syuu

Then enter following to get all pacakges needed by GHC.

$ pacman -S --needed git tar bsdtar binutils autoconf make xz zstd \

curl libtool automake python python3 p7zip patch ca-certificates \

mingw-w64-$(uname -m)-gcc \

mingw-w64-$(uname -m)-python3 \

mingw-w64-$(uname -m)-python3-sphinx \

mingw-w64-$(uname -m)-tools-git

## Folders

Current Path

C:\Users\lawle\AppData\Roaming\cabal\bin nothing

C:\tools\ghc-9.0.1\bin last install 4/2/2021

C:\tools\msys64 pacman update 7/7/2021

C:\Users\lawle\AppData\Local\GitHubDesktop\bin update 23/6/2021

add to path

C:\tools\ghc-9.0.1\lib\bin 4/2/21 + ignore ? files 31/5/21

C:\tools\ghc-9.0.1\mingw\bin 4/2/21 + ignore ? files 31/5/21

C:\tools\ghc-9.0.1\mingw\x86\_64-w64-mingw32\bin 4/2/21 + ignore ? files 31/5/21

executable files

\*.exe -

C:\tools\msys64\usr\bin latest 2/7/2021

C:\tools\msys64\usr\lib\awk latest 15/4/2020

C:\tools\msys64\usr\lib\gnupg latest 29/6/2021

C:\tools\msys64\usr\lib\gettext latest 31/5/2021

C:\tools\msys64\usr\libexec latest 2/7/2021

C:\tools\msys64\usr\libexec\p11-kit latest 16/1/2021

packages:

C:\Users\lawle\AppData\Roaming\cabal\packages\hackage.haskell.org latest 9/7/21

cabal conf files:

\*.conf in

C:\Users\lawle\AppData\Roaming\cabal\store\ghc-9.0.1\package.db

header files:

\*.h

C:\tools\msys64\usr\include

C:\tools\msys64\mingw64\include

logs:

\*.log - Shows all compile log files

C:\Users\lawle\AppData\Roaming\cabal\logs\ghc-9.0.1

downloads:

\*.gz

C:\Users\lawle\AppData\Roaming\cabal\packages\hackage.haskell.org