

Installing GFortran

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Requirements

- Fortran compilers are available for every type of operating system, including Mac OS, Linux, and Windows
- Some are free (GFortran)
- Some are not (PGFortran, Intel Fortran)
- GFortran is good enough for me

Downloading & Installing

GCC Wiki Login

Self: [GFortranBinaries](#)

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Binaries available for gfortran

This page gathers links to all **unofficial gfortran binary packages** people regularly build, based on the current development gfortran source code.

- [Windows](#)
- [MacOS](#)
- [GNU/Linux](#)
- [Build GNU Fortran from source](#)

Note: There do not exist any official FSF/GNU/GCC binary builds gfortran maintainers but not all.

The easiest way is to install a pre-compiled version

Windows

If in doubt, or if you don't know what Cygwin and MinGW are, the package for you is the MinGW ("native Windows") package!

- **MinGW for Win64:** The [Mingw-w64](#) project has regularly updated [snapshots](#) of compilers generating 64-bit Windows executables. They provides several compilers, which run on Windows (32-bit and 64-bit Windows), Cygwin, Linux, and Darwin/MacOS - and which generate binaries for 32bit or 64bit Windows. The file name pattern is `<target>-<host>-<option-version>-<date>`; thus, `mingw-w64-bin_x86_64-mingw_20100527.zip` is a compiler targeting 64bit Windows (`mingw-w64`) but also running ("host") on 64bit Windows (`x86_64-mingw`); you might search for the file in `Toolchains` targetting Win64 (Personal Builds or Automatized Builds).
 - [TDM GCC: MinGW/MinGW-W64 Builds](#)
- **MinGW build** ("native Windows" build)
 - **Official** [MinGW builds](#) (only releases), [last seen was 4.8.1](#) (2013-10-11)
 - The *MinGW for Win64* project has also [binaries for 32bit Windows](#); e.g. `mingw-w32-bin_i686-mingw <date>.zip` RUNS ON

<https://gcc.gnu.org/wiki/GFortranBinaries>

Downloading & Installing

Windows **MacOS** **GNU/Linux**

I use Mac OS

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Downloading & Installing

MacOS

The gfortran maintainers offer nice Apple-style installers for:

- macOS Sierra (10.12): [download gfortran 6.3](#)
- OS X El Capitan (10.11): [download gfortran 6.1](#)
- OS X Yosemite (10.10): [download gfortran 5.2](#) or [gfortran 4.9.2](#)
- OS X Mavericks (10.9): [download gfortran 4.9.0](#) or [gfortran 4.8.2](#)
- OS X Mountain Lion (10.8): [download gfortran 4.8.2](#)
- OS X Lion (10.7): [download gfortran 4.8.2](#)

Detailed instructions can be found [here](#).

Other projects packaging GCC (and gfortran) binaries:

- [HPC Mac OS X](#) offers GCC builds, which are pre-compiled.
- [MacPorts](#) (package name, e.g., "gcc48") offers GCC builds, but all software is compiled weekly.
- [Fink](#) offers [GCC packages](#) (all releases and developer versions, just the releases).
- via [Homebrew](#)

GNU/Linux

Most Linux distributions offer gfortran packages, but they are often out of date.

Nightly builds are available at:

- **32-bit processors (i686)**
 - Download from [gfortran.com](#)

On a Mac, just follow the instructions and install as you would a normal application.

Then open a new terminal and you are all set!

<https://gcc.gnu.org/wiki/GFortranBinaries>

Installing on Linux

- I am going to operate under the assumption that Linux users know how to install packages
- Buuuut, if not, try opening a terminal and typing:
 - `sudo apt-get install gfortran`