

How to install CLOUDY

Recommended versions:

- CLOUDY c25 (2025)
- CLOUDY c23 (2023)
- CLOUDY c17 (2017)

Note: installation and execution may depend on the machine operating system
Linux and Mac are strongly recommended

Prerequisites: g++

g++ : GNU C++ compiler

Open a bash terminal, execute:

which g++

if it returns a path, you have g++ there

If not:

Windows

<https://cygwin.org/>

Linux

sudo apt install build-essential

Mac

With homebrew installed:
brew install gcc

Prerequisites: make

`make` : build executables from a makefile

Open a bash terminal, execute:

`which make`

if it returns a path, you have make there

If not:

Windows



<https://gnuwin32.sourceforge.net/packages/make.htm>

Linux

`sudo apt install build-essential`

Mac

With homebrew installed:
`brew install make`

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<https://gitlab.nublado.org/cloudy/cloudy/-/wikis/CompileCode>

1. Download the source code: https://data.nublado.org/cloudy_releases/
2. Untar the .tar.gz directory where you want Cloudy to be in your computer
3. Open a terminal window, cd into that directory, and type “make”
4. The code will be compiled and produce an executable named source/cloudy.exe
5. cd into the source directory and run the smoke test:

```
./cloudy.exe <cr> ← <cr> stands for carriage returns  
test <cr> i.e. press the Enter key  
<cr>
```

6. Check the file test.out in the same directory, the last line should contain the words Cloudy exited 0K
7. If not, have a look at <https://gitlab.nublado.org/cloudy/cloudy/-/wikis/CompileCode>

Troubleshooting

If the CLOUDY webpage combined with online forums as stackoverflow, askubuntu, reddit, doesn't help you in installing any one of the suggested CLOUDY versions (c17, c23, c25), please write me an email and we *may* find a moment to meet in person (with your laptop) on Thursday 27/11 or Friday 28/11 to *try* to solve the problem

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