

GCC Installation Guide

The installation procedures for `gcc` are different for Linux and macOS.

First check the `gcc` version on your operating system.

```
$ gcc --version
```

parKVFinder supports `gcc` versions later than 6. Otherwise, you must install a newer `gcc` version.

Linux

To install the standard available version of `gcc` on your operating system, type:

```
$ sudo apt install gcc
```

Note: check the `gcc` version again to make sure you have installed a version later than 6.

If the default version `gcc` is not later than 6, you can install directly any later version by typing:

```
# GCC version 6
$ sudo apt install gcc-6
# GCC version 7
$ sudo apt install gcc-7
# GCC version 8
$ sudo apt install gcc-8
# GCC version 9
$ sudo apt install gcc-9
```

Then, there are two possible paths to prepare `gcc` to compile *parKVFinder* source code.

- Create a symbolic link to your custom `gcc`

```
$ sudo ln -s /usr/bin/gcc-X /usr/local/bin/gcc
```

Note: **X** is the version of `gcc` you have installed.

- Replace `gcc` to `gcc-X` in **Makefile** within the *parKVFinder* directory

macOS