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# Build instructions for Linux

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Hugues Delorme edited this page on Mar 13 · 4 revisions

## Dependencies

The following tools are required:

- git
- cmake
- C++ 17 compiler(GCC  $\geq 9$  or LLVM/Clang  $\geq 6$ )

The following libraries are required:

- Qt  $\geq 5.14$   
Note: Qt5 and Qt6 are both supported
- [OpenCascade](#)  $\geq 7.3.0$

The following libraries are optional:

- Assimp  $\geq 5.0$   
Assimp provides support of more mesh formats in Mayo(eg FBX, Collada, 3MF, ...)

## Install dependencies

### Debian(Ubuntu)

```
sudo apt update
sudo apt install cmake git g++
sudo apt install qtbase5-dev libqt5svg5-dev libxcb-cursor0
sudo apt install libocct-data-exchange-dev libocct-draw-dev occt-misc libtbb2-dev libxi-dev
sudo apt install libassimp-dev # Optional
```



### Fedora

```
dnf update
dnf install make cmake git gcc-c++
dnf install qt5-qtbase qt5-qtsvg xcb-util-cursor
dnf install opencascade-devel
dnf install assimp assimp-devel # Optional
```



# Arch Linux



```
pacman -Syu
pacman -Sy make cmake git gcc
pacman -Sy qt5-base qt5-svg xcb-util-cursor
pacman -Sy opencascade libxi
pacman -Sy assimp # Optional
```

## Build & Run



```
git clone https://github.com/fougue/mayo.git
mkdir build-mayo && cd build-mayo
cmake ../mayo -DMayo_BuildPluginAssimp=ON
cmake --build . --config Release
./mayo
```

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https://github.com/fougue/mayo.wiki.git