

wxWidgets static; ARM; Raspbian build; 32bit; gcc;

HowTo compile static wxWidgets library for Raspberry Pi device running Raspbian operating system using 32bit gcc compiler

1. I used Raspbian GNU/Linux 11 (bullseye)
2. Possibly you need to download and install build tools. In my case Raspbian OS came out of box with pre-installed build-essentials.
In case your OS not included it then open terminal and execute this command:
sudo apt install build-essential
3. You need to download and install gtk development package so open terminal and execute this command: **sudo apt install libgtk-3-dev**
4. Download Linux wxWidgets source code from <https://www.wxwidgets.org/downloads/>
5. I used wxWidgets 3.1.5
6. Unzip wxWidgets to #ThisProject/dep/linux
7. In terminal navigate yourself to #ThisProject/dep/linux
8. In terminal create new folder using this command: **mkdir linux_lib**
9. In terminal navigate yourself to newly created folder: **cd linux_lib**
10. Now you need to configure the library so in same terminal execute this command: **../configure --with-gtk=3 --disable-shared --prefix=\$(pwd)**
11. Configuration has to succeed
12. In same terminal execute this command: **make**
13. This take time. If it succeed then libraries will be located in #ThisProject/dep/linux/linux_lib/lib

If build failing for you or you have any issues with compiling wxWidgets then check this official page for Linux build:

https://wiki.wxwidgets.org/Compiling_and_getting_started