HalfaGeek

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POSTED BY

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POSTED UNDER

UBUNTU
COMMENTS

5 COMMENTS

Install and Configure OpenCV in Code Blocks

First install dependency packages

Install Code Blocks IDE

```
sudo apt-get install codeblocks
```

Required packages

```
sudo apt-get install build-essential
sudo apt-get install cmake git libgtk2.0-dev pkg-config libavcodec-dev libavformat-dev libswscale-dev
```

Optional packages

```
sudo apt-get install python-dev python-numpy libtbb2 libtbb-dev libjpeg-dev libpng-dev libtiff-dev libjasper-dev libd
```
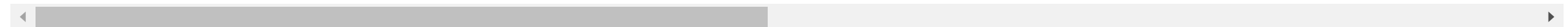
Clone the latest OpenCV from github

```
git clone https://github.com/opencv/opencv.git
```
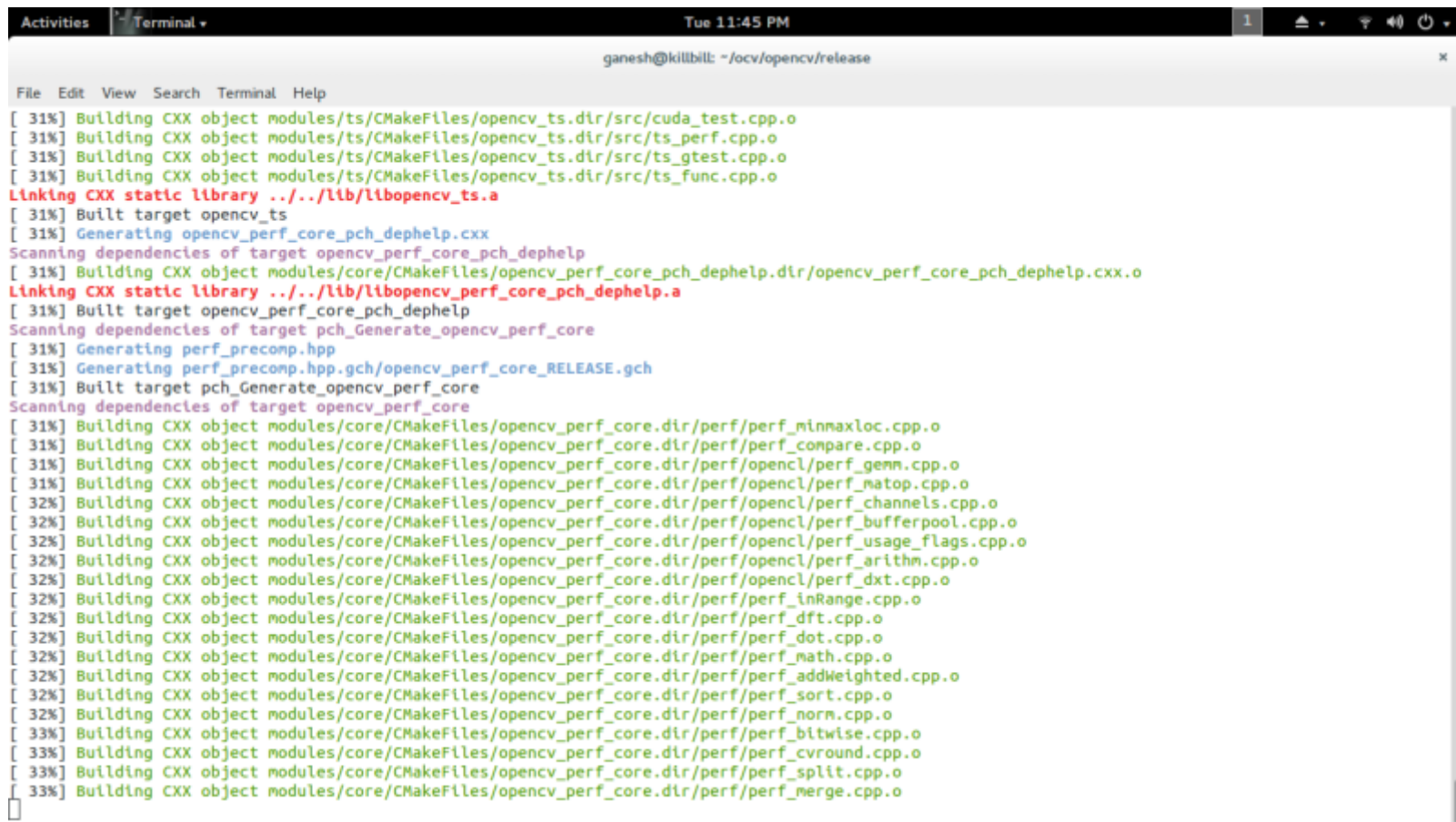
Compile and Install

```
cd ~/opencv
mkdir release
cd release
cmake -D CMAKE_BUILD_TYPE=RELEASE -D CMAKE_INSTALL_PREFIX=/usr/local ..
make
```

For using with QT and OpenGL and for sample code snippets use this cmake

```
cmake -D CMAKE_BUILD_TYPE=RELEASE -D CMAKE_INSTALL_PREFIX=/usr/local -D WITH_TBB=ON -D BUILD_NEW_PYTHON_SUPPORT=ON -D
```

(https://importgeek.wordpress.com/2016/08/27/install-and-configure-opencv-in-code-blocks/screenshot-from-2016-08-02-234546/#main)

```
sudo make install
```

https://importgeek.wordpress.com/2016/08/27/install-and-configure-opencv-in-code-blocks/screenshot-from-2016-08-03-001758/#main

Now open CodeBlocks.Now go to settings –>compiler
Under the compiler settings tab select the other options tab and copy the following command into the pane.

```
`pkg-config opencv --cflags`
```
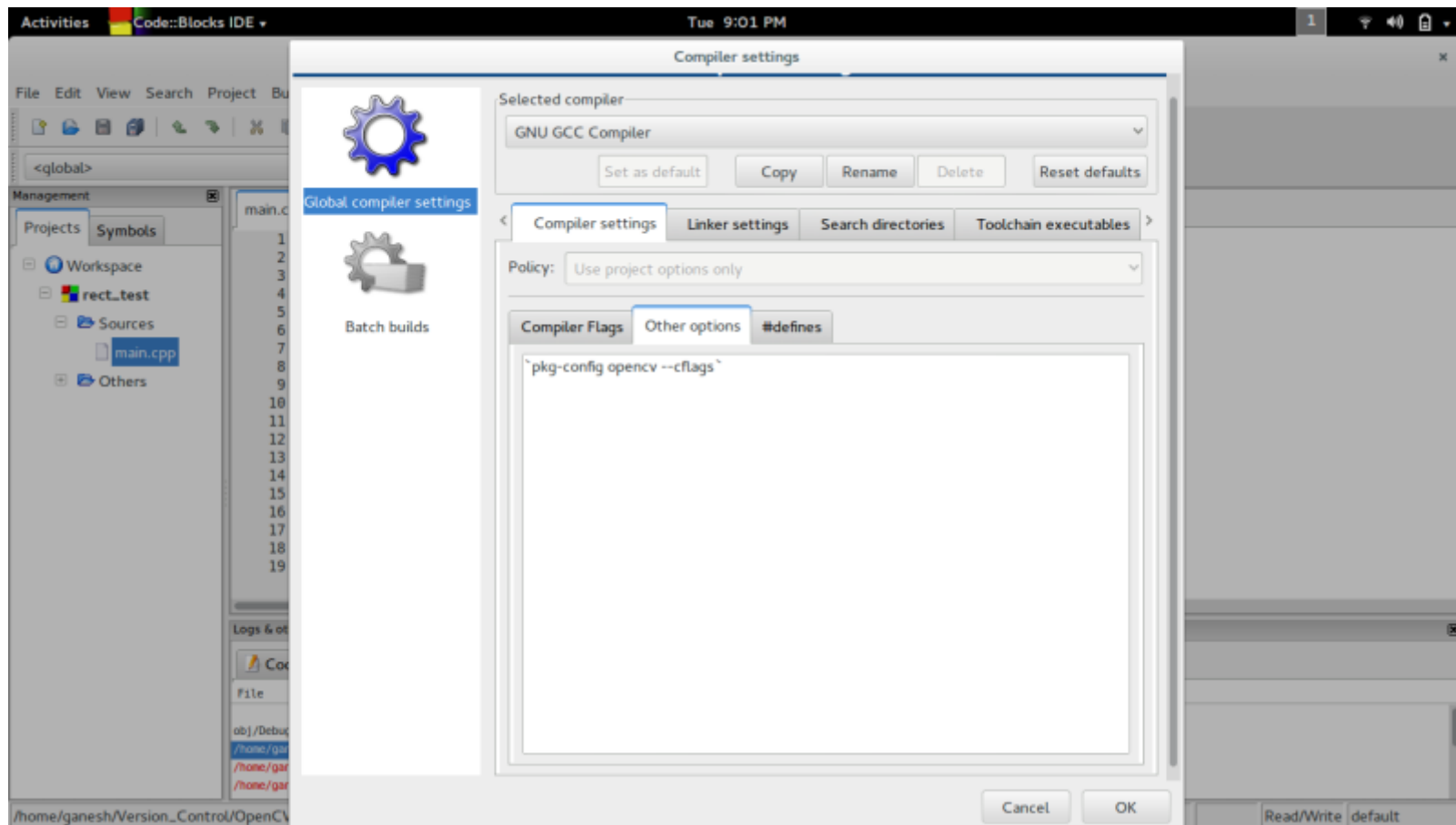
Now open the Linker Settings Tab and copy the following command int the other linker options pane:

```
`pkg-config opencv --libs`
```
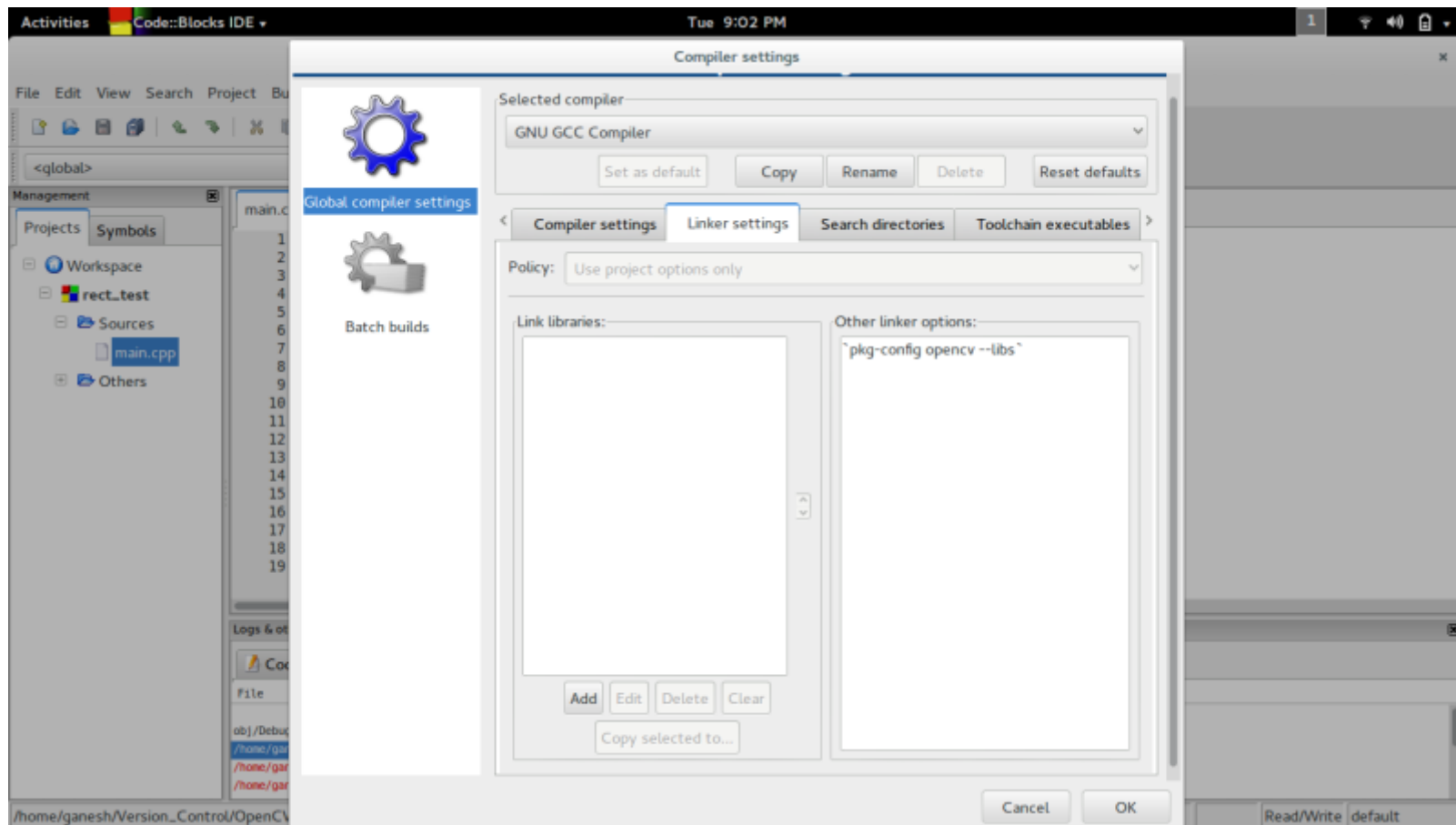
Click OK to save the settings.

Happy Hacking 🙂
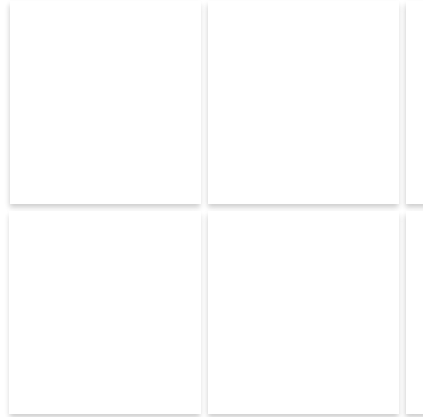
- ○ codeblocks (https://importgeek.wordpress.com/tag/codeblocks/)
- ○ opencv (https://importgeek.wordpress.com/tag/opencv/)
- ○ Ubuntu (https://importgeek.wordpress.com/tag/ubuntu/)

5 thoughts on "Install and Configure OpenCV in Code Blocks"

Asim says:

May 25, 2017 at 1:05 pm

Hello thanks for this tutorial. I did every single step. It compiled the sources ok. I followed the procedure for codeblocks but it won't compile/link the project under codeblocks. Some help would be much appreciated. Thanks

Reply

ganeshredcobra says:

May 31, 2017 at 4:01 pm

Hi Asim, What was the issue? Can you share me the code snippet which you tried?

Reply
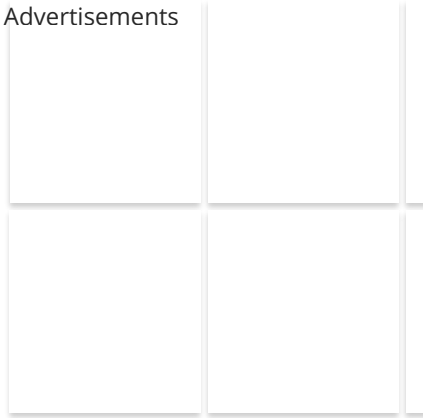
2. Marco says:

October 30, 2017 at 2:50 pm

único que deu certo vlw!!:)

Reply

3. Marcel Mougenot says:

March 7, 2018 at 8:48 pm

deu certo mesmooo!

Muito bom! Já tinha tentado conforme diversas indicações e só neste tutorial deu certo!

It worked!

Very good! I had tried according to several indications and only this tutorial worked!

Reply

4. Hero Hunters hack says:
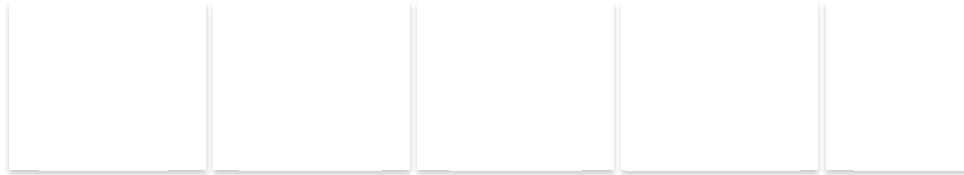
March 20, 2018 at 9:16 pm

Thank you for the good writeup. It if truth be told

was a enjoyment account it. Glance complex to more brought

agreeable from you! However, how can we keep in touch?

Reply

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