HalfaGeek

П

POSTED BY

GANESHREDCOBRA POSTED ON

AUGUST 27, 2016 POSTED UNDER

<u>UBUNTU</u> 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

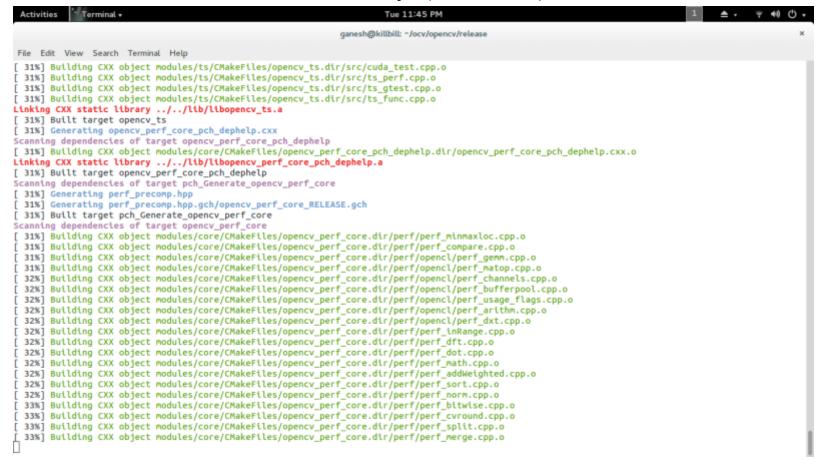
git clone https://github.com/opencv/opencv.git

Compile and Install

```
cd ~/opencv
mkdir release
cd release
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-opency-in-code-blocks/screenshot-from-2016-08-02-234546/#main)



sudo make install

```
Activities
             Terminal •
                                                                       Wed 12:17 AM
                                                              ganesh@killbill: ~/ocv/opencv/release
File Edit View Search Terminal Help
-- Installing: /usr/local/include/opencv2/videostab/fast_marching_inl.hpp
-- Installing: /usr/local/include/opencv2/videostab/optical flow.hpp
-- Installing: /usr/local/include/opencv2/videostab/wobble_suppression.hpp
-- Installing: /usr/local/include/opencv2/videostab/global motion.hpp
-- Installing: /usr/local/include/opencv2/videostab/motion stabilizing.hpp
-- Installing: /usr/local/lib/python2.7/dist-packages/cv2.so
-- Set runtime path of "/usr/local/lib/python2.7/dist-packages/cv2.so" to "/usr/local/lib"
-- Installing: /usr/local/share/OpenCV/haarcascades/haarcascade_upperbody.xml
-- Installing: /usr/local/share/OpenCV/haarcascades/haarcascade frontalface alt.xml
-- Installing: /usr/local/share/OpenCV/haarcascades/haarcascade eye tree eyeglasses.xml
-- Installing: /usr/local/share/OpenCV/haarcascades/haarcascade_frontalface_alt_tree.xml
-- Installing: /usr/local/share/OpenCV/haarcascades/haarcascade frontalface alt2.xml
-- Installing: /usr/local/share/OpenCV/haarcascades/haarcascade_righteye_2splits.xml

    Installing: /usr/local/share/OpenCV/haarcascades/haarcascade smile.xml

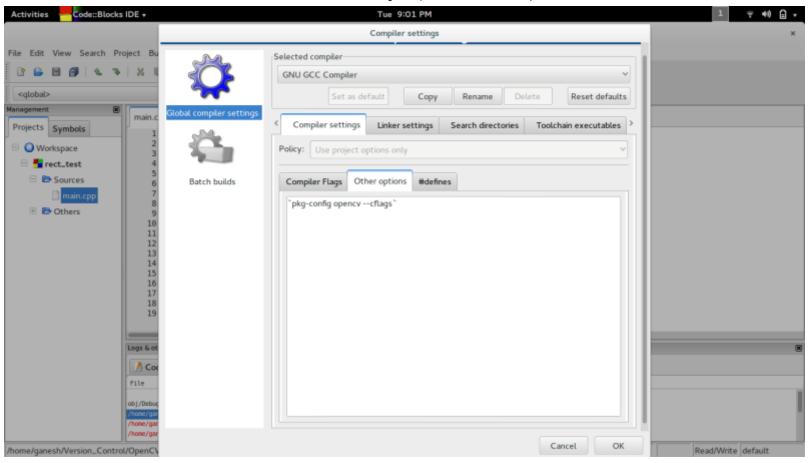
    Installing: /usr/local/share/OpenCV/haarcascades/haarcascade_russian_plate_number.xml

-- Installing: /usr/local/share/OpenCV/haarcascades/haarcascade_frontalcatface.xml
-- Installing: /usr/local/share/OpenCV/haarcascades/haarcascade_frontalcatface_extended.xml
-- Installing: /usr/local/share/OpenCV/haarcascades/haarcascade_frontalface_default.xml
-- Installing: /usr/local/share/OpenCV/haarcascades/haarcascade licence plate rus 16stages.xml
-- Installing: /usr/local/share/OpenCV/haarcascades/haarcascade_eye.xml
-- Installing: /usr/local/share/OpenCV/haarcascades/haarcascade_lowerbody.xml
-- Installing: /usr/local/share/OpenCV/haarcascades/haarcascade_profileface.xml
-- Installing: /usr/local/share/OpenCV/haarcascades/haarcascade_fullbody.xml
-- Installing: /usr/local/share/OpenCV/haarcascades/haarcascade_lefteye_2splits.xml
-- Installing: /usr/local/share/OpenCV/lbpcascades/lbpcascade_frontalface.xml
-- Installing: /usr/local/share/OpenCV/lbpcascades/lbpcascade_frontalcatface.xml
-- Installing: /usr/local/share/OpenCV/lbpcascades/lbpcascade_silverware.xml
-- Installing: /usr/local/share/OpenCV/lbpcascades/lbpcascade_profileface.xml
-- Installing: /usr/local/bin/opencv_traincascade
-- Set runtime path of "/usr/local/bin/opencv_traincascade" to "/usr/local/lib"
-- Installing: /usr/local/bin/opencv_createsamples
-- Set runtime path of "/usr/local/bin/opencv_createsamples" to "/usr/local/lib"
-- Installing: /usr/local/bin/opencv_annotation
-- Set runtime path of "/usr/local/bin/opencv_annotation" to "/usr/local/lib"
-- Installing: /usr/local/bin/opencv_visualisation
-- Set runtime path of "/usr/local/bin/opencv_visualisation" to "/usr/local/lib"
ganesh@killbill:~/ocv/opencv/release$
```

(https://importgeek.wordpress.com/2016/08/27/install-and-configure-opency-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.

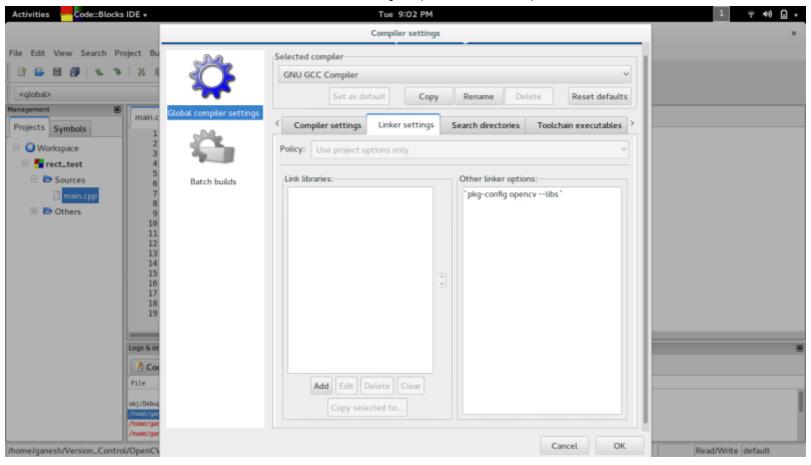
`pkg-config opencv --cflags`



 $\underline{(https://importgeek.wordpress.com/2016/08/27/install-and-configure-opency-in-code-blocks/screenshot-from-2016-08-09-210157/\#main)}_{number of the configure-opency-in-code-blocks/screenshot-from-2016-08-09-210157/\#main)}_{number of the code-blocks/screenshot-from-2016-08-09-210157/\#main)}_{number of the code-blocks/screenshot-from-2016-08-09-210157/\#main)}_{number of the code-blocks/screenshot-from-2016-08-09-210157/\#main)}_{number of the code-blocks/screenshot-from-2016-08-09-21015/\#main)}_{number of the code-blocks/screens$

Now open the Linker Settings Tab and copy the following command int the other linker options pane:

`pkg-config opencv --libs`

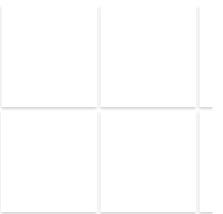


(https://importgeek.wordpress.com/2016/08/27/install-and-configure-opency-in-code-blocks/screenshot-from-2016-08-09-210248/#main) Click OK to save the settings.

Happy Hacking 🙂







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- codeblocks (https://importgeek.wordpress.com/tag/codeblocks/)
- o <u>opency (https://importgeek.wordpress.com/tag/opency/).</u>
- <u>Ubuntu (https://importgeek.wordpress.com/tag/ubuntu/)</u>

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?

2. <u>Reply</u>

Marco says:

October 30, 2017 at 2:50 pm

único que deu certo vlw!!:)

3. Reply

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!

4. Reply

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

Blog at WordPress.com.



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