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# OPENCV Installation Guide : Unofficial

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**Disclaimer:** This documents captures various hacks obtained over the web that were employed to get OPENCV up and running on Lab systems. It does not guarantee anything but can act as a guide for people who want to install OPENCV on their laptops.

## 1 Easy way

### 1.1 Linux/OSX

- Install Anaconda framework <https://docs.continuum.io/anaconda/install>
- Update the packages using the conda package manager.
- Install OPENCV from menpo repositories using `conda install -c menpo opencv3=3.2.0`

### 1.2 Windows

- Install Anaconda framework <https://docs.continuum.io/anaconda/install>
  - Extract OPENCV package <http://opencv.org/downloads.html>
- 3) Copy and paste the cv2.pyd to the Anaconda site-packages directory. For example

C:/Users/kalay451/Downloads/opencv/build/python/2.7/x64

to

C:/Users/kalay451/AppData/Local/Continuum/Anaconda2/Lib/site-packages

4) Now we need to set user environmental variables so that Anaconda knows where to find the FFMPEG. Right-click on "My Computer" (or "This PC" on Windows 8.1) → left-click Properties → left-click "Advanced" tab → left-click "Environment Variables..." button.

Add a new User Variable to point to the OpenCV

C:\opencv\build\x64\vc14 (FFMPEG dll is in bin here). Example of how the variable looks like

VARIABLE	VALUE
OPENCV_DIR	C:\opencv\build\x64\vc14

Add C:\opencv\build\x64\vc14\bin; to the end of PATH variable. Example of how the PATH looks like

Before:

```
C:\Users\kalay451\Anaconda;C:\Users\kalay451\Anaconda\Scripts
```

After:

```
C:\Users\kalay451\Anaconda;C:\Users\kalay451\Anaconda\Scripts;%OPENCV_DIR%\bin
```

## 2 Hard way

### 2.1 Linux/OSX

[http://docs.opencv.org/2.4/doc/tutorials/introduction/linux\\_install/linux\\_install.html](http://docs.opencv.org/2.4/doc/tutorials/introduction/linux_install/linux_install.html)

### 2.2 Windows

I hope the easy way was hard enough ;-)