

## Installing PyTorch Debug Tips & Other Common Bug Solutions

The following document contains tips for resolving errors related to PyTorch including the ResolvePackageNotFound, setup.py egg\_info, DLL error, and cvtColor resolution. Please see below.

Please see the following sections for the specific solutions:

- 1) How to install PyTorch if you are receiving the ResolvePackageNotFound error
- 2) Setup.py egg\_info error when installing PyTorch
- 3) DLL error when installing PyTorch
- 4) cvtColor error: pp:7456: error: (-215) scn == 3 || scn == 4 in function cv::ipp\_cvtColor

### 1. ResolvePackageNotFound error

If installing the virtual platform and PyTorch on Windows and you run into the installation error such as a ResolvePackageNotFound: please use the following setup:

```
# If your main Python version is not 3.5 or 3.6
conda create -n test python=3.6 numpy pyyaml mkl

# for CPU only packages
conda install -c peterjc123 pytorch

# for Windows 10 and Windows Server 2016, CUDA 8
conda install -c peterjc123 pytorch cuda80

# for Windows 10 and Windows Server 2016, CUDA 9
conda install -c peterjc123 pytorch cuda90

# for Windows 7/8/8.1 and Windows Server 2008/2012, CUDA 8
conda install -c peterjc123 pytorch_legacy cuda80
```

Step 1: conda env remove -n virtual\_platform (this erases the virtual platform and gives you a fresh start)

Step 2: got to <https://pypi.python.org/pypi/torchvision> and download torch vision, I suggest putting it in the same folder as the .yml that you will use in steps 3.1 to 3.4 (thanks Andrew <https://www.udemy.com/computer-vision-a-z/learn/v4/questions/3386274>)

Step 3: Jordan's fix:

1. Open: virtual\_platform\_windows.yml in an editor (eg Notepad++).

2. Delete: line 92 (i.e. the line: - pytorch=0.1.12=py35\_0.1.12cu80) and line 100 (- torch==0.1.12)
3. Save
4. Execute: `conda env create -f virtual_platform_windows.yml`
5. Activate virtual environment: `source activate virtual_platform`
6. Run an update of all the packages: `conda update --all`
7. Install Pytorch separately with: `conda install -c peterjc123 pytorch cuda80`

Step 4: Install torch vision with: `pip install torchvision-0.2.0-py2.py3-none-any.whl`

## 2. Setup.py egg\_info

If you run into a python setup.py egg\_info" failed with error code 1 from installing please use the following modified installation steps to use no-deps for torchvision:

```
# If your main Python version is not 3.5 or 3.6
conda create -n test python=3.6 numpy pyyaml mkl

# for CPU only packages
conda install -c peterjc123 pytorch

# for Windows 10 and Windows Server 2016, CUDA 8
conda install -c peterjc123 pytorch cuda80

# for Windows 10 and Windows Server 2016, CUDA 9
conda install -c peterjc123 pytorch cuda90

# for Windows 7/8/8.1 and Windows Server 2008/2012, CUDA 8
conda install -c peterjc123 pytorch_legacy cuda80
```

1. Open the YAML file in an editor
2. Delete: line 92 (i.e. the line: - pytorch=0.1.12=py35\_0.1.12cu80) and line 100 (- torch==0.1.12) **and line 101 (- torchvision==0.1.9)**
3. Save
4. Execute: conda env create -f virtual\_platform\_windows.yml
5. Activate virtual environment: source activate virtual\_platform
6. Install Pytorch separately with: conda install -c peterjc123 pytorch cuda80
7. pip install --no-deps torchvision

### **3. DLL related error**

If you run into a DLL error installing PyTorch the recommended solution is to install PyTorch using the CPU version. CPU version for all platforms can be found at: <https://pytorch.org/>

#### 4. cvtColor error: pp:7456: error: (-215) scn == 3 || scn == 4 in function cv::ipp\_cvtColor

If you are receiving the error above please try changing the following:

Change:

```
video_capture = cv2.VideoCapture(0)
```

to:

```
video_capture = cv2.VideoCapture(1)
```

If that doesn't resolve it please re-type the path of the haar xml files and try the full length path to the file location.