



conda-forge

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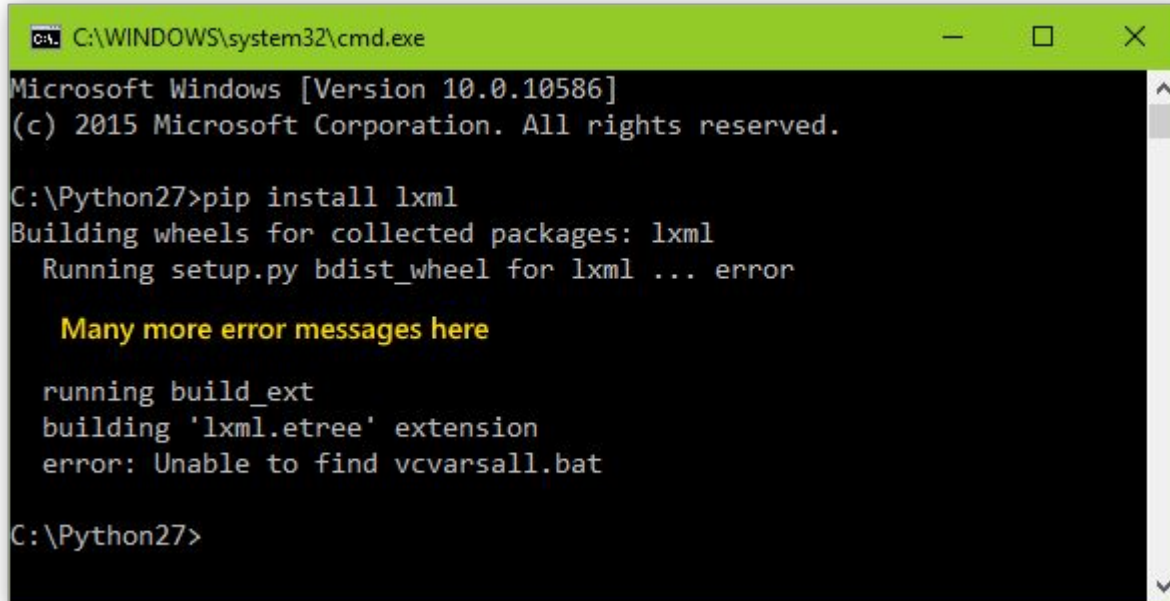
Anthony Scopatz

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These slides [bit.ly/](https://bit.ly/conda-forge)

I have a problem...



```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.10586]
(c) 2015 Microsoft Corporation. All rights reserved.

C:\Python27>pip install lxml
Building wheels for collected packages: lxml
  Running setup.py bdist_wheel for lxml ... error

  Many more error messages here

  running build_ext
  building 'lxml.etree' extension
  error: Unable to find vcvarsall.bat

C:\Python27>
```

Figure fromt and real solution to this problem can be found in an excellent blog post:: <https://blogs.msdn.microsoft.com/pythonengineering/2016/04/11/unable-to-find-vcvarsall-bat/>

**BUILD IT FROM SOURCE
THEY SAID**

**IT'LL BE FUN THEY
SAID**

memegenerator.net

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I want to know how those packages were **built** and be able to **reproduce** them.

conda

- Cross-platform package manager
- Open source, BSD license
- Does not require admin/root
- Created for Python packages but can package any software
- Created by Continuum Analytics



PSA

conda : Cross platform platform package and environment manager (BSD)

Anaconda : Python distribution using on conda with lots of scientific tools

Miniconda : Minimal Python distribution that uses conda, great to 'bootstrap'

Anaconda Cloud / Anaconda.org : Place to host and share conda packages, Jupyter notebooks and conda environments.

Green anaconda : big snake, non-venomous



conda-forge

- a community led collection of **recipes**, **build infrastructure** and **packages**.
- 579 packages, 102 contributors
- **open** and **transparent**, meeting notes and discussion on GitHub.
- recipes are stored in GitHub "feedstock" repositories
- builds done on CI systems; Travis CI, Circle CI , AppVeyor
- Packages uploaded to the **conda-forge** channel on Anaconda.org

Install packages using:

```
conda install -c conda-forge tensorflow
```



conda-forge

<https://conda-forge.github.io/>

packages: <https://anaconda.org/conda-forge>

gitter: <https://gitter.im/conda-forge/conda-forge.github.io>

submit a package: <https://github.com/conda-forge/staged-recipes>

blog post: <https://www.continuum.io/blog/developer-blog/community-conda-forge>

These slides: bit.ly/pycon16cf