conda-forge

Jonathan Helmus

These slides: bit.ly/scipy2016cf

I have a problem...
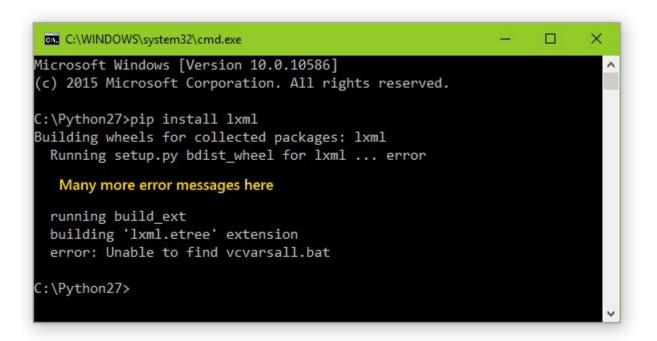
BUILD IT FROM SOURCE
THEY SAID

IT'LL BE FUN THEY
SAID

All I really want is:

An easy method for installing **binary** packages.

All I really want is:

An easy method for installing **binary** packages.

and

That is **cross platform**, does not require **root/admin**, and just **works.**

All I really want is:

An easy method for installing **binary** packages.

and

That is **cross platform**, does not require **root/admin**, and just **works.**

and

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

All I really want is:

An easy method for installing **binary** packages.

and

That is **cross platform**, does not require **root/admin**, and just **works.**

and

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

and

A method for created **isolated environments** with **all** my dependencies.

conda

- Cross-platform package manager
- Environment manager
- Open source, BSD license
- Does not require admin/root
- Designed for any software, but with Python-specific enhancements
- Created by Continuum Analytics

PSA: Some terminology

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**.
- 805 packages, 150 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 altair

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
contributors (>100): https://github.com/orgs/conda-forge/people

These slides: bit.ly/scipy2016cf