

pyinstaller

What is it?

- "PyInstaller freezes (packages) Python applications into stand-alone executables, under Windows, GNU/Linux, Mac OS X, FreeBSD, Solaris and AIX."

<https://www.pyinstaller.org/>

- cross-platform, not cross-compiler

How?

- Install pyinstaller in your virtual env
`pip install pyinstaller`
- Execute on your script/project
`pyinstaller MYSCRIPT.py`
- `dist/` directory contains sub-directory
`MYSCRIPT` with executable and libraries

Mini cross-compile?

- Generate Windows distribution under Linux
 - install Wine
 - wine32
 - download Python installer for Win32
 - wine INSTALLER.exe
 - custom install, for all users, with pip
 - install pyinstaller
 - wine cmd
 - pip install pyinstaller
 - apply pyinstaller to project under Wine
 - cd ...
 - pyinstaller MYSCRIPT.py

Entry script

- When using setup.py and packages
- Requires script outside package structure
- Simply import main() method of script to run

Hidden imports

- Doesn't discover all necessary libraries (doesn't inspect setup.py?)
- Use `--hidden-imports ...` option