

PyShip

Easily Ship your Python Desktop Apps to End Users

James Abel

pyninsula

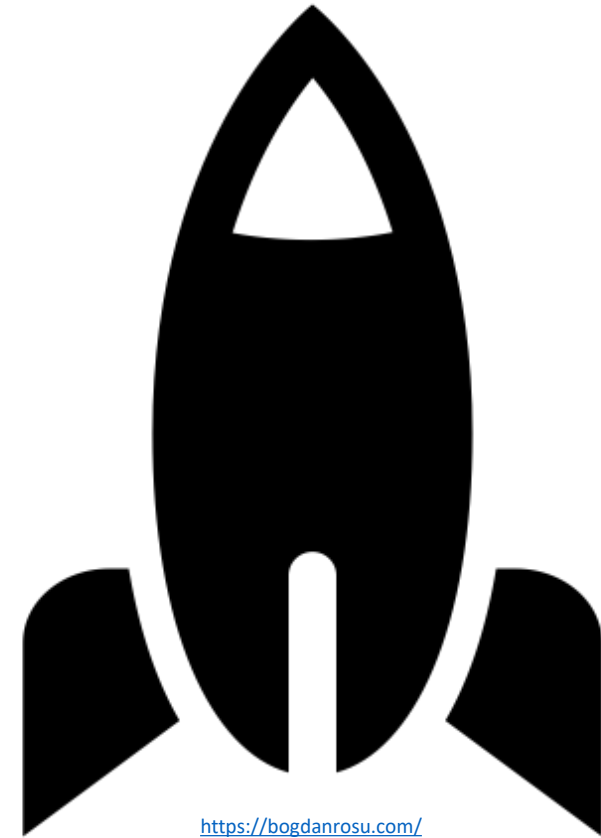
Oct 27, 2020

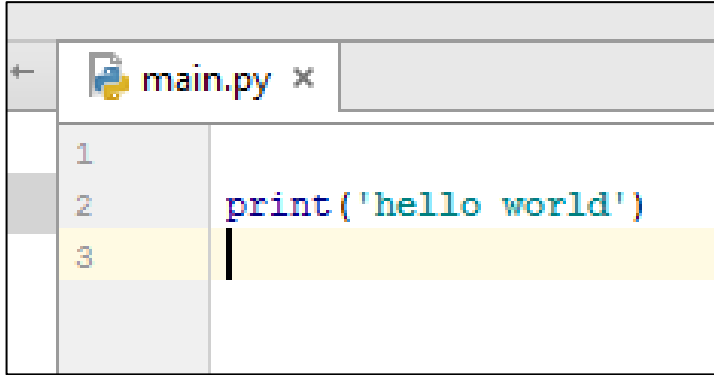
www.pyship.org

www.abel.co

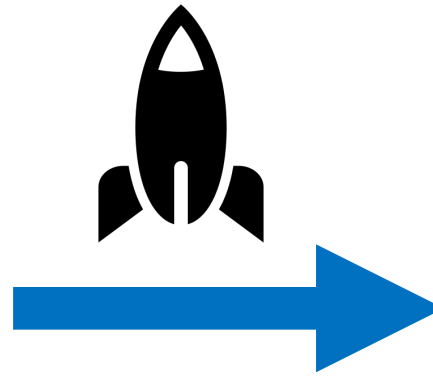
@jamesabel

<https://github.com/jamesabel>





```
1  
2 print('hello world')  
3
```



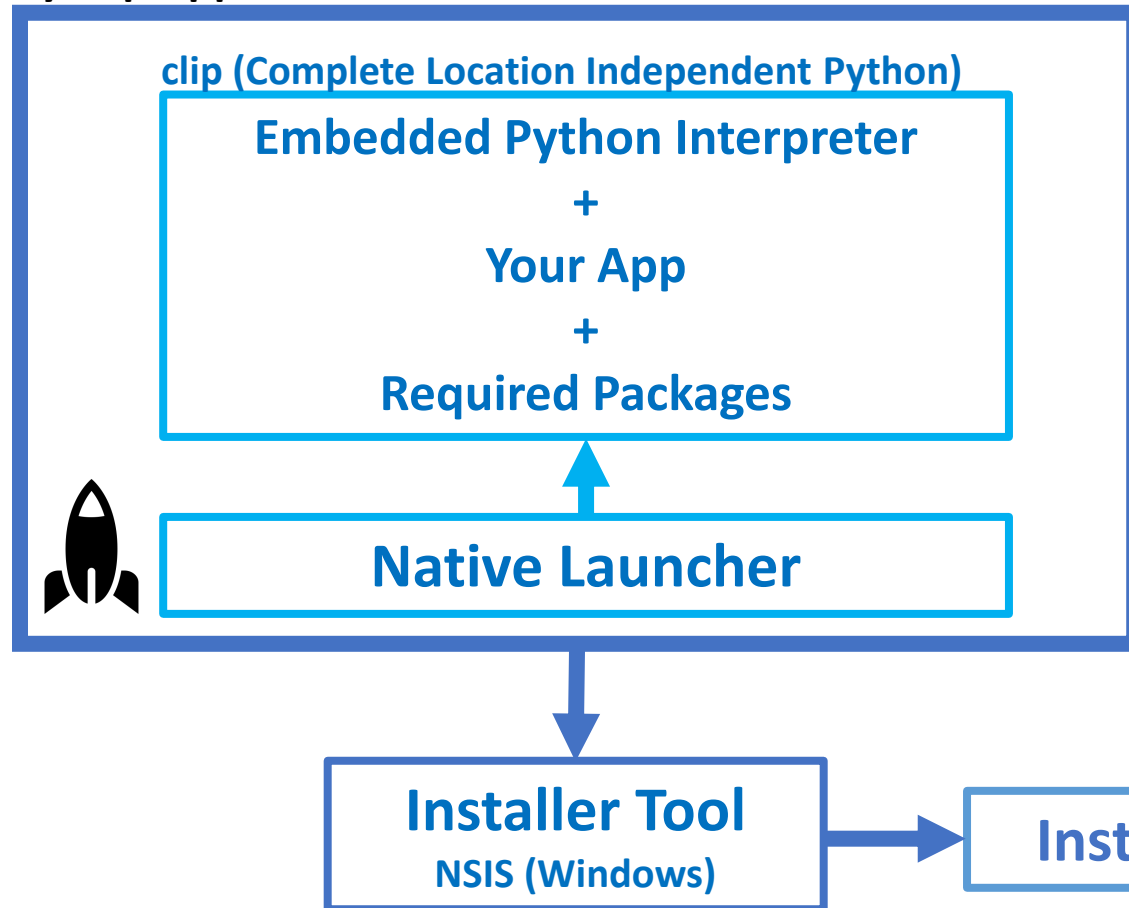
<http://manicallydepressedmoderatelyfunny.blogspot.com/2015/01/halo-5-beta-livedierepeat.html>

PyShip Project Goals

- Easily provide Python “desktop” apps to end users
- Work with virtually any modern Python application (and required libraries)
- No assumption of pre-installed Python interpreter or environments on user’s system
- Application can update itself in the background (no user intervention required)
- Native application (e.g. .exe for Windows)
- Supports Windows. Architecture extensible to other popular OSs (e.g. MacOS, Linux)

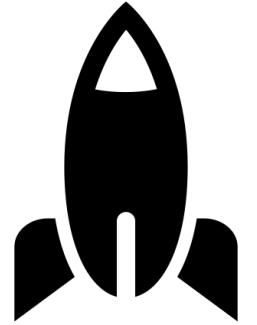
PyShip High Level Architecture

PyShip Application



1. Create your Python application runnable as a “main module” (e.g. `python -m <your module>`)
2. Package your application as a distribution (e.g. wheel)
3. Add a few fields to `pyproject.toml`
4. Run `pyship` to create installer and clip
5. Release installer to users
6. Update as desired

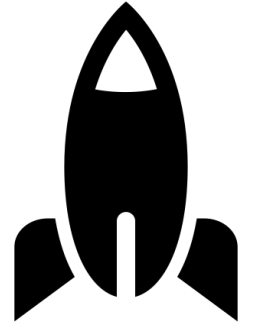
pyshipexample



- <https://github.com/jamesabel/pyshipexample>
- Learn to use pyship by example
- Very small GUI application

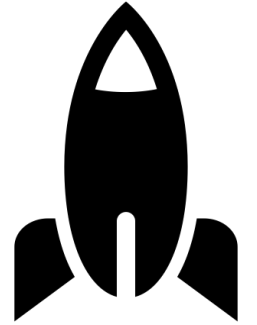
PyShip is in beta

- <https://github.com/jamesabel/pyship>
- MIT license
- v0.0.10
- On PyPI
 - `pip install pyship`
- Looking for beta testers!



BETA

Thank You



- Thomas Kluyver ([pynsist](#) , [flit](#))
- Glyph (presentations such as [Shipping Software To Users With Python](#) , discussions)
- Eli Ribble (original osnap PRs)

BACKUP

- Related Tools

- [cx freeze](#)
- [py2exe](#)
- [py2app](#)
- [briefcase](#)
- [pyinstaller](#)
- [pynsist](#)