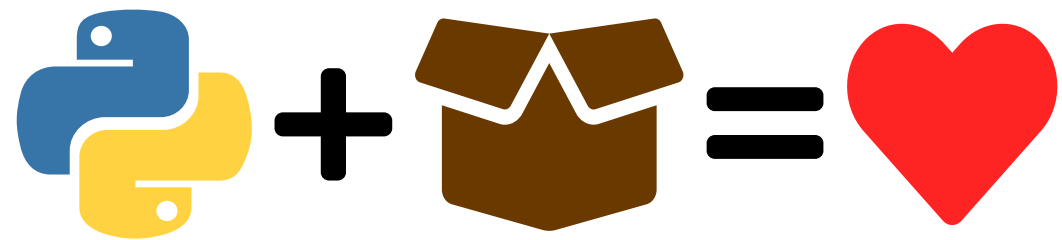


Python Packaging

Empaquetando aplicaciones
python para produccion y
despliegues



@upeguiborja

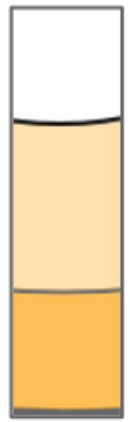


El patrón de la utilización de módulos .py de python como medio para distribuir proyectos no es escalable para proyectos que consistan de multitudes de ficheros, necesiten librerías adicionales o requieran una versión específica de python.

**Lo estamos
haciendo mal...**

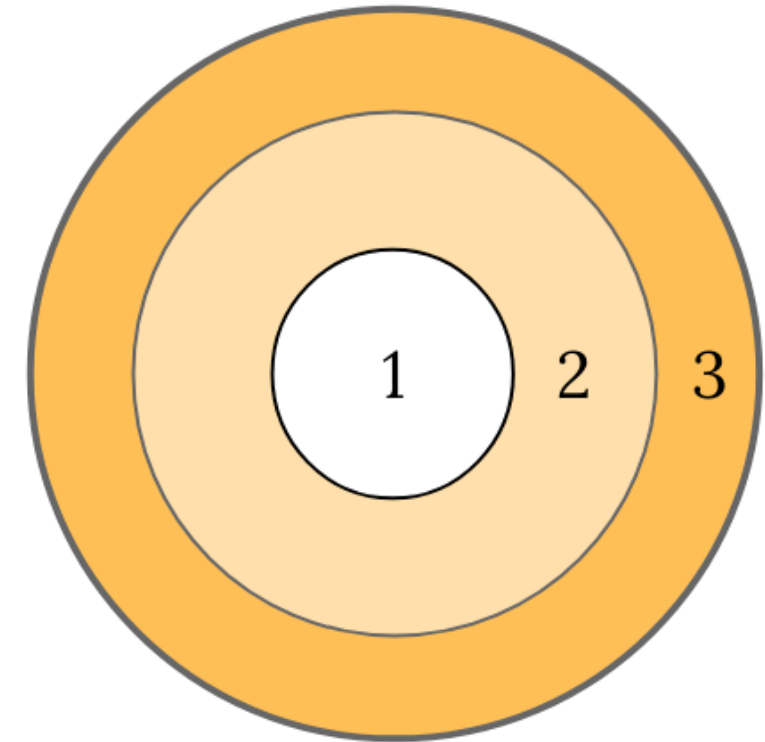
Empaquetando..

Packaging for Python **tools** and **libraries**



1. **.py** - standalone modules
2. **sdist** - Pure-Python packages
3. **wheel** - Python packages

(With room to spare for static vs. dynamic linking)

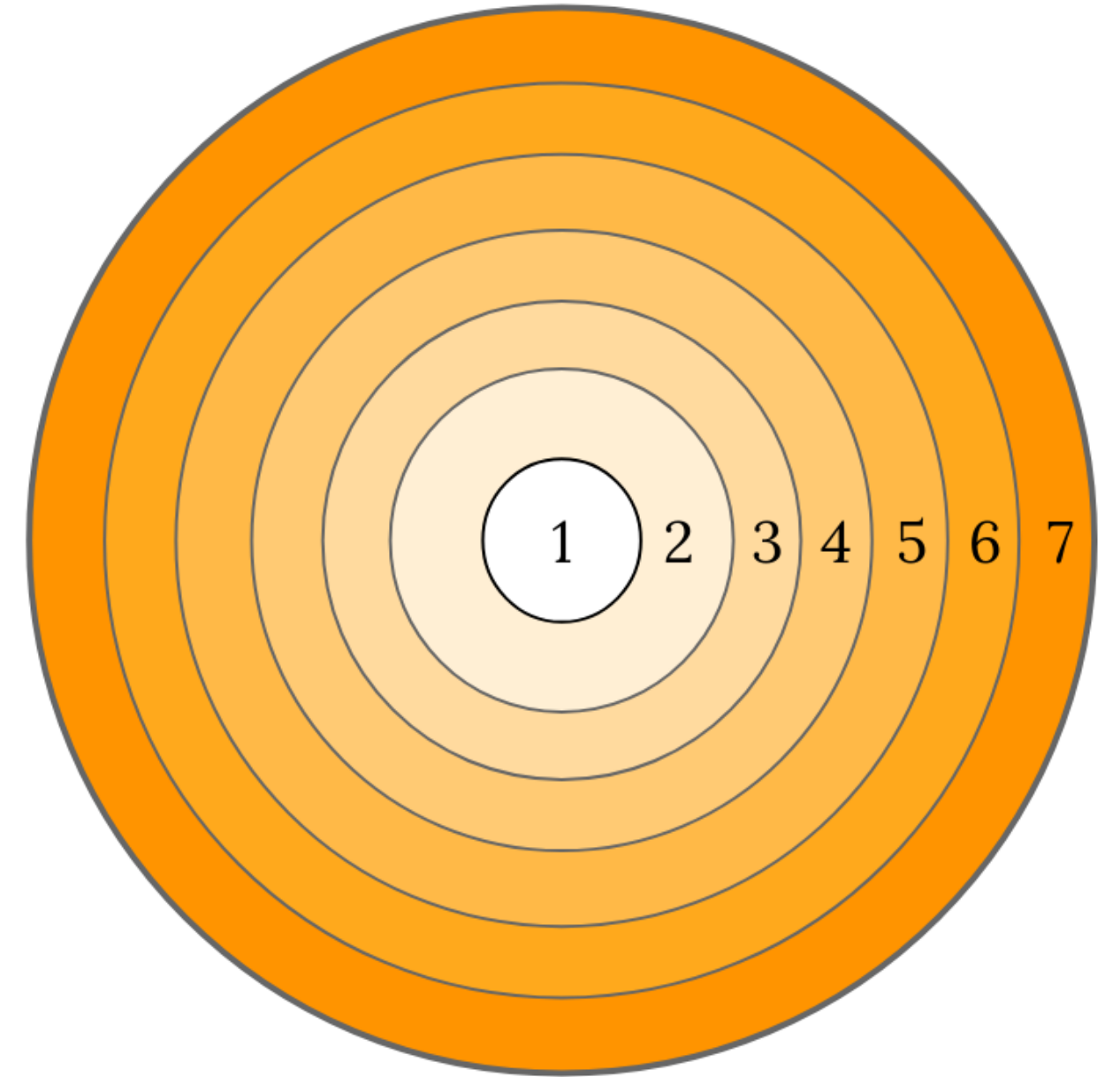


Source: The Packaging Gradient

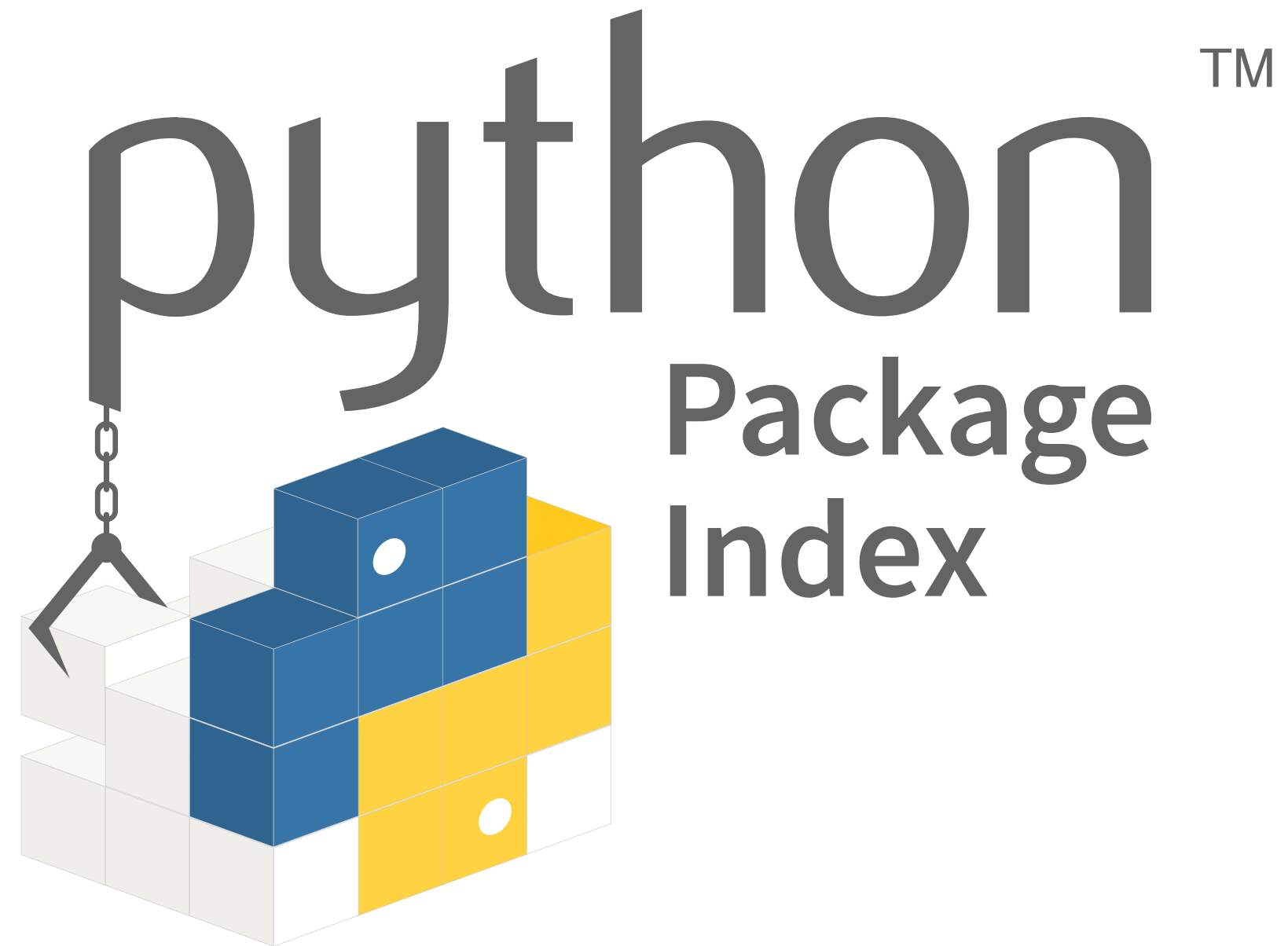
Packaging for Python **applications**



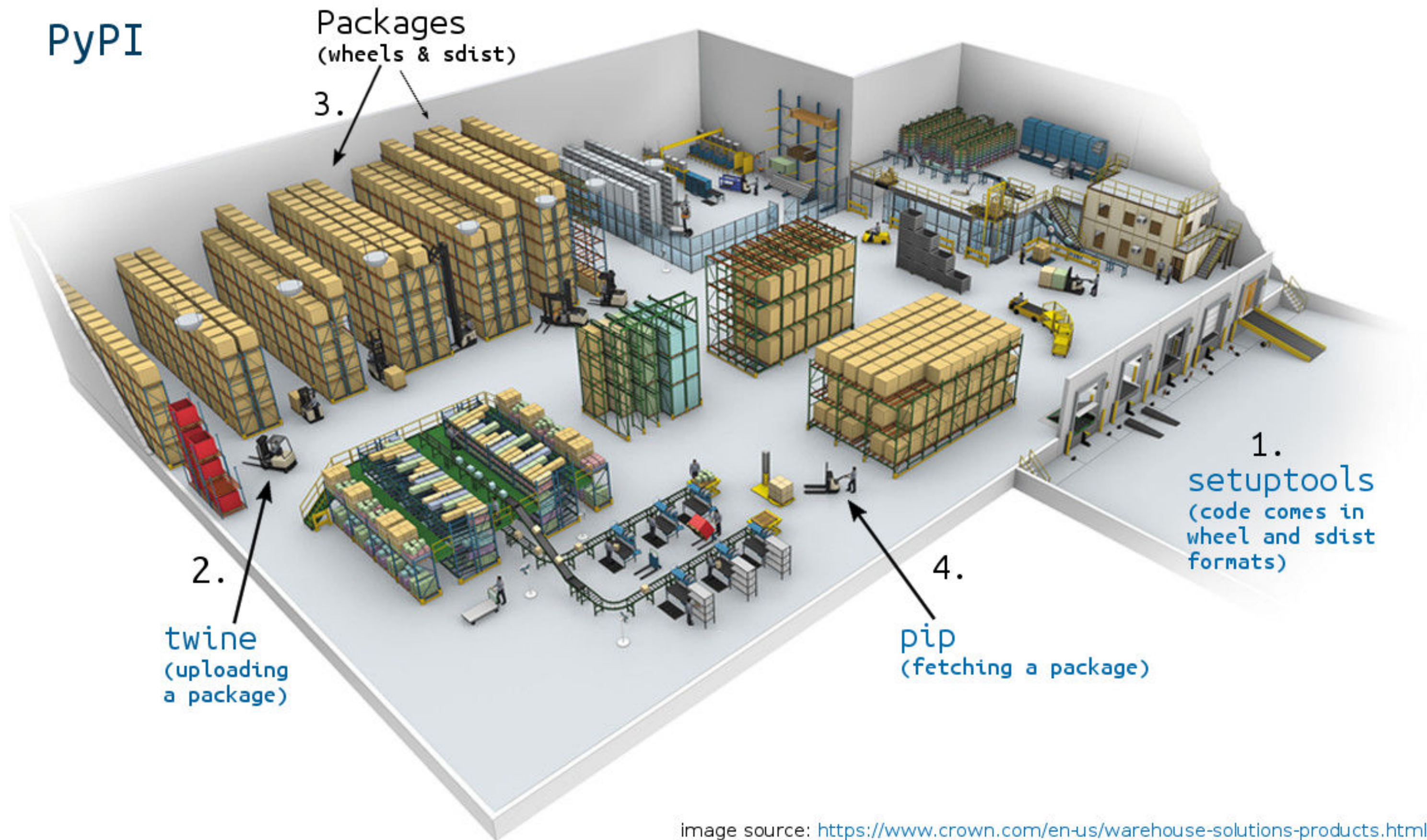
1. **PEX** - libraries included
2. **anaconda** - Python ecosystem
3. **freezers** - Python included
4. **images** - system libraries included
5. **containers** - sandboxed images
6. **virtual machines** - kernel included
7. **hardware** - plug and play

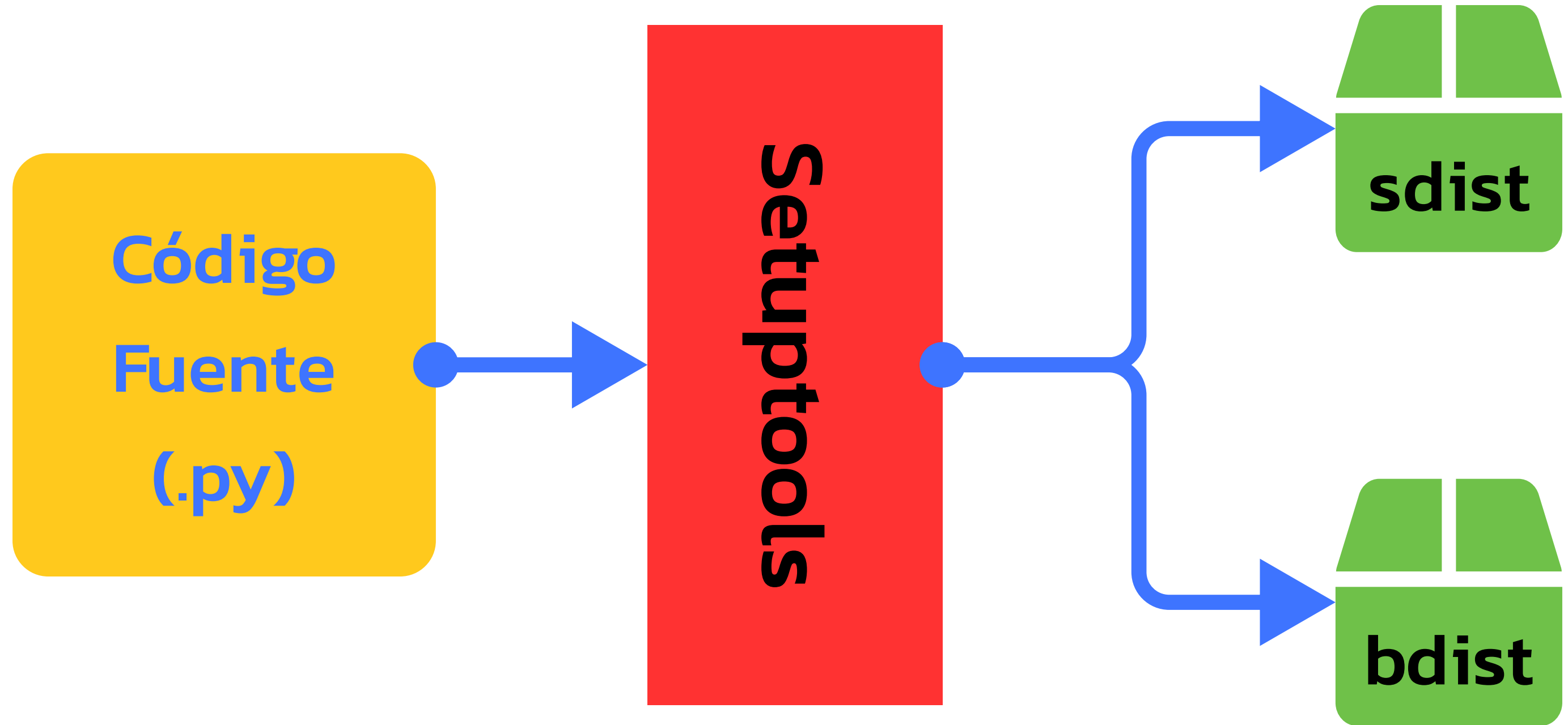


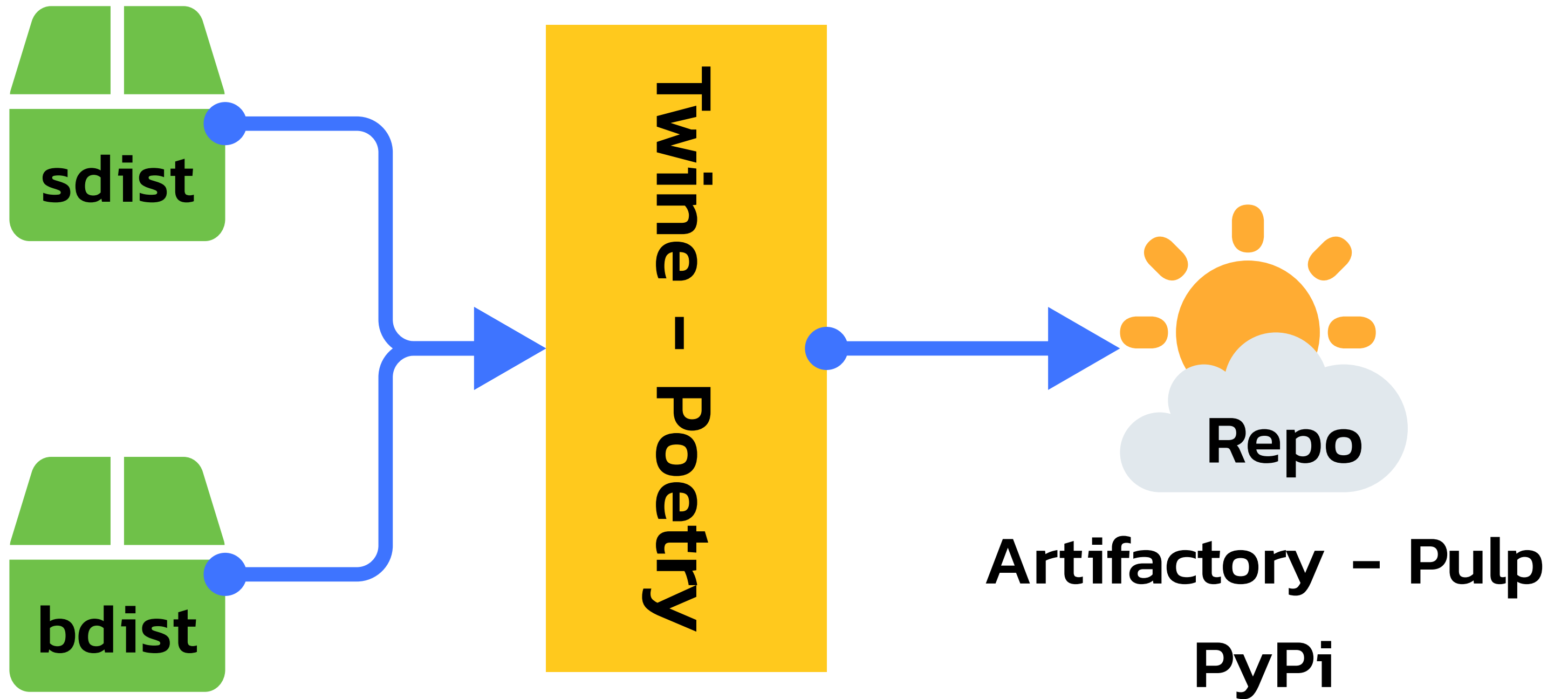
Source: The Packaging Gradient

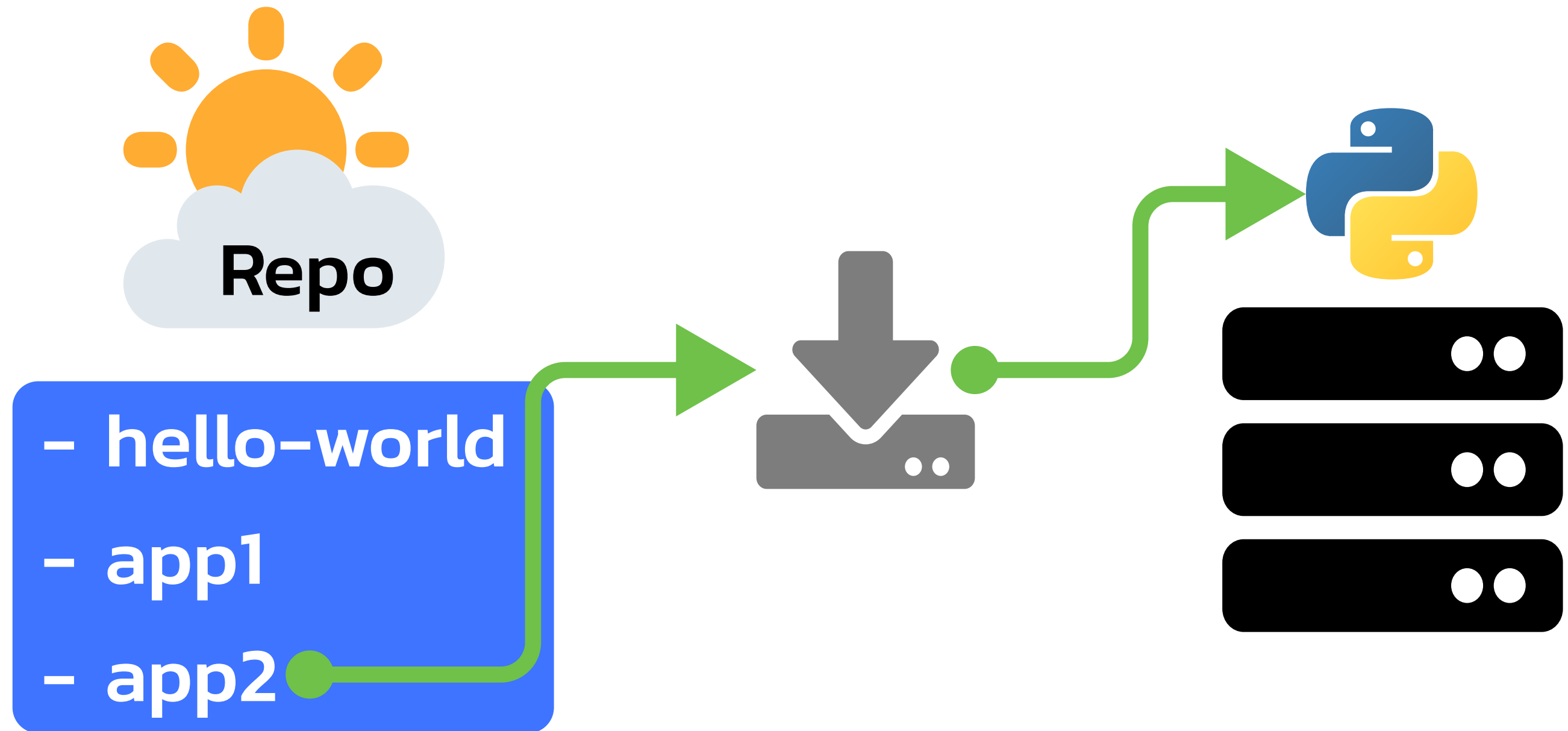


PyPI









Estructura de un paquete de python

└─setup.py

└─Foo/

 └─__init__.py

12 lines (11 sloc) | 352 Bytes

Raw

Blame

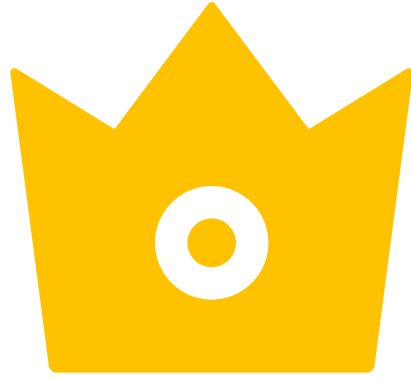
History



● You're using code navigation to jump to definitions or references.

[Learn more](#) or [give us feedback](#)

```
1  from setuptools import setup, find_packages
2
3  setup(
4      name='MyPackageName',
5      version='1.0.0',
6      url='https://github.com/mypackage.git',
7      author='Author Name',
8      author_email='author@gmail.com',
9      description='Description of my package',
10     packages=find_packages(),
11     install_requires=['numpy >= 1.11.1', 'matplotlib >= 1.5.1'],
12 )
```



POETRY