

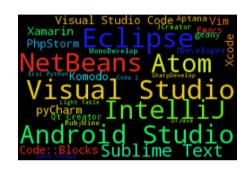
Sasidhar Donaparthi

Agenda





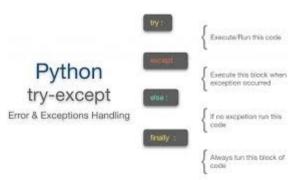
Python — Environment setup















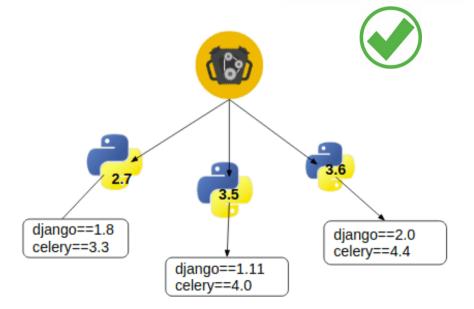
Python Environment Setup







Installing Python Using Miniconda/Anaconda







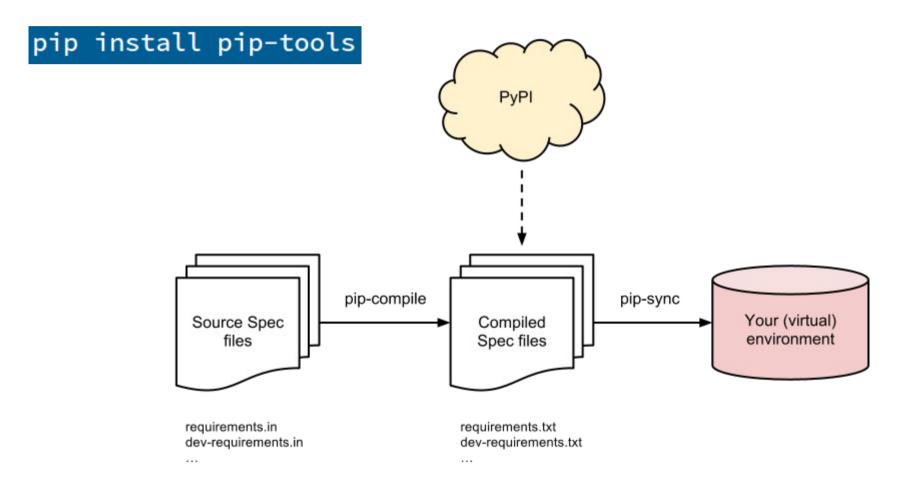






```
pip install -r requirements.txt
beautifulsoup4==4.5.3
blinker==1.4
boto==2.46.1
certifi==2017.1.23
Chameleon==3.1
docopt==0.4.0 # pyup: <=0.4.0
html2text==2016.9.19
```

Tracking my dependencies



IDE for python development



IDLE

Source code: Lib/idlelib/

IDLE is Python's Integrated Development and Learning Environment.













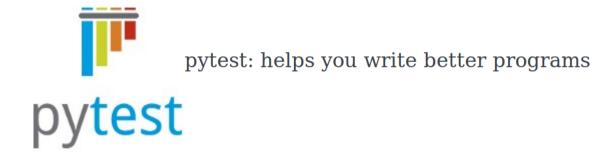


Best Practices



unittest — Unit testing framework





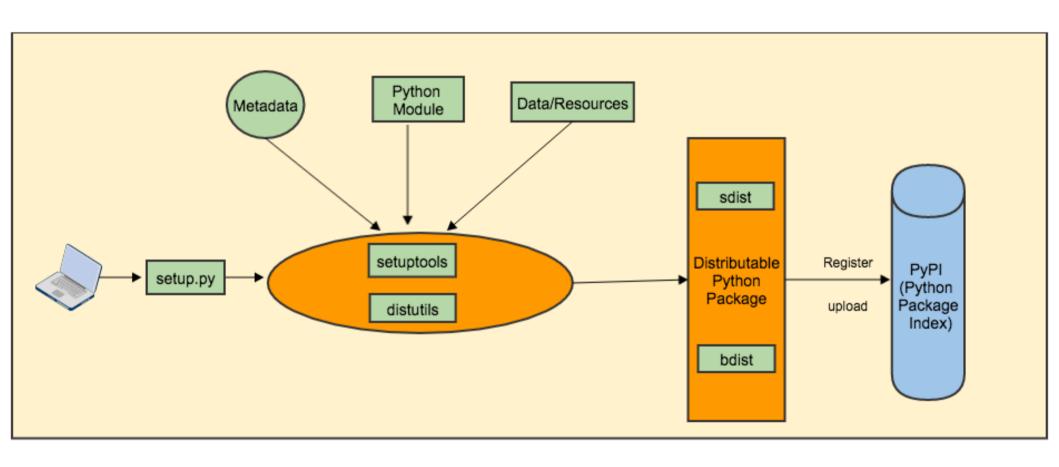
logging — Logging facility for Python



Python Exceptions



Publishing Python Package

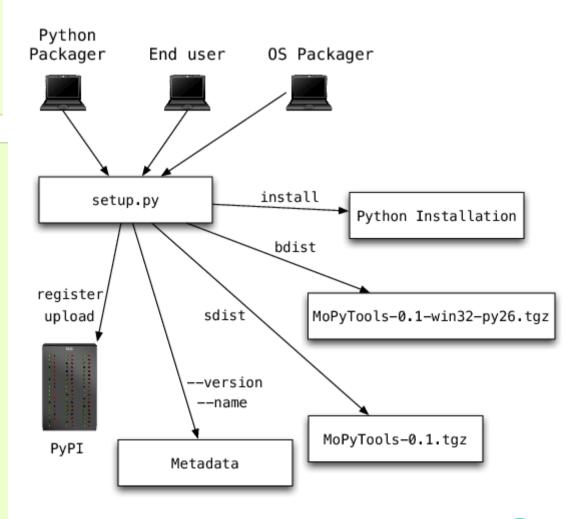


Publishing Python Package

Creating setup.py

```
/example_pkg
  /example_pkg
    __init__.py
    setup.py
    LICENSE
    README.md
```

```
import setuptools
with open("README.md", "r") as fh:
   long description = fh.read()
setuptools.setup(
   name="example pkg",
   version=0.0.1,
   author="Example Author",
   author email="author@example.com",
   description="A small example package",
   long description=long description,
   long description content type="text/markdown",
   url="https://github.com/pypa/sampleproject",
   packages=setuptools.find packages(),
   classifiers=[
        "Programming Language :: Python :: 3",
        "License :: OSI Approved :: MIT License",
        "Operating System :: OS Independent",
   ],
```



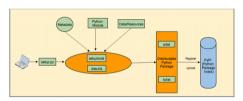
Continuous Integration with Python





\$ pip install -r requirements.txt
beautifulsoup4==4.5.3
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boto==2.46.1
certifi==2017.1.23
Chameleon==3.1
docopt==0.4.0 # pyup: <=0.4.0
html2text==2016.9.19</pre>

























Mock with Unit testing

unittest.mock — mock object library



Moto: Mock AWS Services

Unit Test & TDD Lambda Functions