

distutils **For NOOBs and Others**

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What is distutils?

**A set of "Batteries included"
python packages of packages which,
among other things:**

- a) Creates distributions,**
- b) Installs distributions.**



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What Are Distributions?

Bundles of python packages, either:

- a) Source, or**
- b) Binary.**



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How Do I Create a Source Distribution?

- a) **Create a `setup.py` script,**
- b) **Run `setup.py`.**



What's setup.py Look Like?

```
from distutils.core import setup

setup(author='Chris Calloway',
      author_email='cbc@unc.edu',
      description='A test of distutils',
      fullname='Distutils test for TriZPUG',
      name='distttest',
      py_modules=['clocker',
                  'eventer',
                  'feval',
                  'pollster'],
      url='http://trizpug.org',
      version='1.0.0',
)
```



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How Do I Run `setup.py` To Create a Source Distribution?

```
python setup.py sdist
```



How Do I Install a Source Distribution?

- **Unpack it**
- `python setup.py install`



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How Do I Create a Binary Distribution?

- `python setup.py bdist_wininst`
- `python setup.py bdist_rpm`
- `Python setup.pyt bdist --help-formats`



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Tell Me More

<http://www.python.org/sigs/distutils-sig/>

<http://www.python.org/sigs/distutils-sig/doc/>

<http://mail.python.org/mailman/listinfo/distutils-sig/>

<http://www.python.org/doc/current/dist/>

<http://www.python.org/doc/current/inst/>

<http://wiki.python.org/moin/DistutilsCookbook>

<http://www.python.org/pypi/>



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