Distribution

Examples

py2app

To use the py2app framework you must install it first. Do this by opening terminal and entering the following command:

```
sudo easy_install -U py2app
```

Then create the setup file for your python script:

```
py2applet --make-setup MyApplication.py
```

Edit the settings of the setup file to your liking, this is the default:

```
"""
This is a setup.py script generated by py2applet

Usage:
    python setup.py py2app
"""

from setuptools import setup

APP = ['test.py']
DATA_FILES = []
OPTIONS = {'argv_emulation': True}

setup(
    app=APP,
    data_files=DATA_FILES,
    options={'py2app': OPTIONS},
    setup_requires=['py2app'],
)
```

To add an icon file (this file must have a .icns extension), or include images in your application as reference, change your options as shown:

```
DATA_FILES = ['myInsertedImage.jpg']
OPTIONS = {'argv_emulation': True, 'iconfile': 'myCoolIcon.icns'}
```

Finally enter this into terminal:

```
python setup.py py2app
```

The script should run and you will find your finished application in the dist folder.

Use the following options for more customization:

```
optimize (-O)        optimization level: -O1 for "python -O", -O2 for
                     "python -OO", and -O0 to disable [default: -O0]

includes (-i)        comma-separated list of modules to include

packages (-p)        comma-separated list of packages to include

extension            Bundle extension [default:.app for app, .plugin for
                     plugin]

extra-scripts        comma-separated list of additional scripts to include
                     in an application or plugin.
```

cx_Freeze

Install cx_Freeze from here

Unzip the folder and run these commands from that directory:

```
python setup.py build
sudo python setup.py install
```

Create a new directory for your python script and create a **"setup.py"** file in the same directory with the following content:

```
application_title = "My Application" # Use your own application name
main_python_file = "my_script.py" # Your python script

import sys

from cx_Freeze import setup, Executable

base = None
if sys.platform == "win32":
    base = "Win32GUI"

includes = ["atexit","re"]

setup(
        name = application_title,
        version = "0.1",
        description = "Your Description",
        options = {"build_exe" : {"includes" : includes }},
        executables = [Executable(main_python_file, base = base)])
```

Now run your setup.py from terminal:

```
python setup.py bdist_mac
```

NOTE: On El Capitan this will need to be run as root with SIP mode disabled.

Syntax

Parameters

Remarks