
wxlconSaver

Release 0.1.7

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1	Downloading source code	3
2	Building from source	5

wxPython GUI for saving icons to files

wxIconSaver can be installed with pip:

```
$ pip install wxiconsaver
```

It can then be run with the wxIconSaver command

[Browse the Source Code.](#)

[Browse the GitHub Repository](#)

CHAPTER 1

Downloading source code

PyMS source code resides on publicly accessible GitHub servers, and can be accessed from the following URL:
https://github.com/domdfcoding/create_redirect/

If you have `git` installed, you can clone the repository with the following command:

```
$ git clone https://github.com/domdfcoding/create_redirect/
> Cloning into 'pyms'...
> remote: Enumerating objects: 47, done.
> remote: Counting objects: 100% (47/47), done.
> remote: Compressing objects: 100% (41/41), done.
> remote: Total 173 (delta 16), reused 17 (delta 6), pack-reused 126
> Receiving objects: 100% (173/173), 126.56 KiB | 678.00 KiB/s, done.
> Resolving deltas: 100% (66/66), done.
```

Alternatively, the code can be downloaded in a ‘zip’ file by clicking:

Clone or download → Download Zip

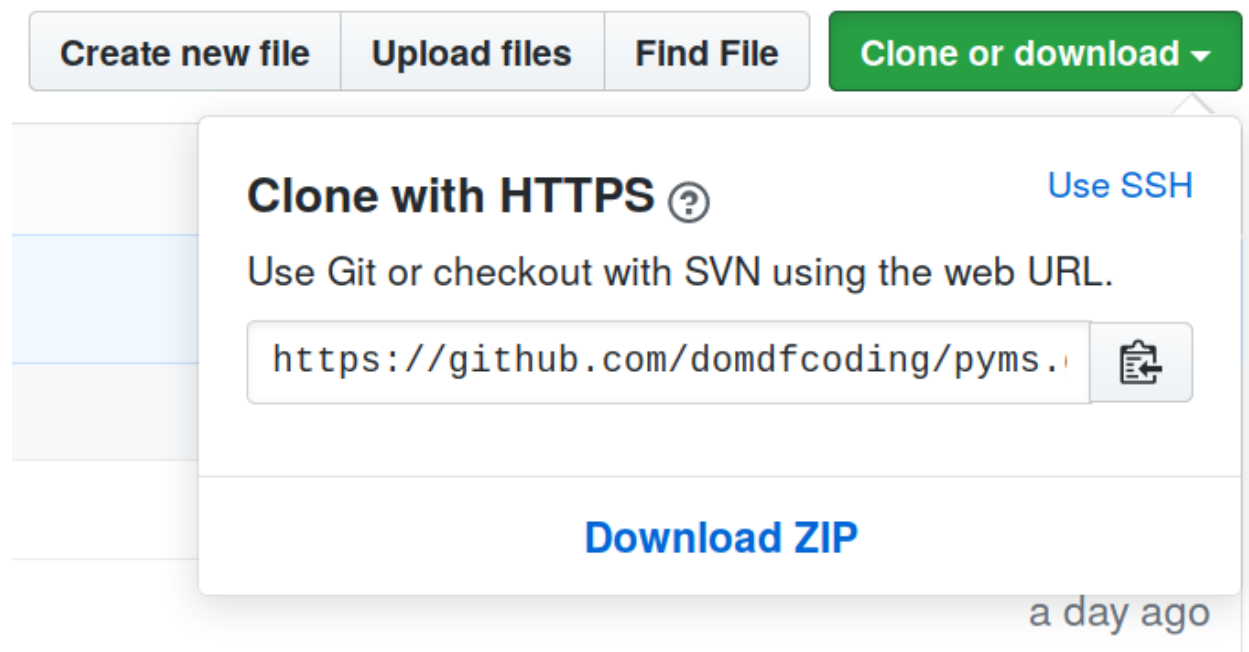


Fig. 1: Downloading a 'zip' file of the source code

CHAPTER 2

Building from source

To build the wxIconSaver package from source using `setuptools`, run the following command:

```
$ python3 setup.py sdist bdist_wheel
```

`setuptools` is configured using the file `setup.py`.

Different formats are available for built distributions

Format	Description	Notes
gztar	gzipped tar file (.tar.gz)	default on Unix
bztar	bzipped tar file (.tar.bz2)	
xztar	bzipped tar file (.tar.bz2)	
tar	tar file (.tar)	
zip	zip file (.zip)	default on Windows
wininst	self-extracting ZIP file for Windows	
msi	Microsoft Installer	

setup.py

```
1  #!/usr/bin/env python
2  """Setup script"""
3
4  from __pkginfo__ import (
5      author, author_email, # install_requires,
6      license, long_description, classifiers,
7      entry_points, modname, py_modules,
8      short_desc, VERSION, web, data_files
9  )
```

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```

10
11 from setuptools import setup
12
13
14 # Create .desktop file
15 with open("wxIconSaver.desktop", "w") as desktop:
16     desktop.write(f"""[Desktop Entry]
17 Version={VERSION}
18 Name={modname}
19 Comment=A GUI utility for saving wxPython icons to files
20 Exec=wxIconSaver
21 Icon=document-save
22 Terminal=false
23 Type=Application
24 Categories=Utility;Application;
25 """)
26
27
28 setup(
29     author=author,
30     author_email=author_email,
31     classifiers=classifiers,
32     description=short_desc,
33     entry_points=entry_points,
34     # install_requires=install_requires,
35     license=license,
36     long_description=long_description,
37     name=modname,
38     # packages = find_packages(),
39     py_modules=py_modules,
40     url=web,
41     version=VERSION,
42     data_files=data_files,
43 )

```

__pkginfo__.py

```

1  # Copyright (C) 2019-2020 Dominic Davis-Foster <dominic@davis-foster.co.uk>
2  #
3  # This program is free software: you can redistribute it and/or modify
4  # it under the terms of the GNU General Public License as published by
5  # the Free Software Foundation, either version 3 of the License, or
6  # (at your option) any later version.
7  #
8  # This program is distributed in the hope that it will be useful,
9  # but WITHOUT ANY WARRANTY; without even the implied warranty of
10 # MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
11 # GNU General Public License for more details.
12 #
13 # You should have received a copy of the GNU General Public License
14 # along with this program. If not, see <http://www.gnu.org/licenses/>.
15
16 # This script based on https://github.com/rocky/python-uncompyle6/blob/master/___
17 ↪ pkginfo__.py
18
19 import pathlib

```

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```

20 copyright = """
21 2019 Dominic Davis-Foster <dominic@davis-foster.co.uk>
22 """
23
24 VERSION = "0.1.7"
25
26 modname = "wxIconSaver"
27 py_modules = ['wxIconSaver']
28 entry_points = {
29     'console_scripts': [
30         'wxIconSaver=wxIconSaver:main',
31         'wxiconsaver=wxIconSaver:main',
32     ]
33 }
34
35 license = 'GPL3'
36
37 short_desc = 'wxPython GUI for saving icons to files'
38
39 classifiers = [
40     'Development Status :: 3 - Alpha',
41     'Intended Audience :: Developers',
42     'License :: OSI Approved :: GNU General Public License v3 (GPLv3)',
43     'Operating System :: OS Independent',
44     'Programming Language :: Python',
45     'Programming Language :: Python :: 3.6',
46     'Programming Language :: Python :: 3.7',
47     'Programming Language :: Python :: 3.8',
48 ]
49
50 # TODO: add tag for GUI
51
52 author = "Dominic Davis-Foster"
53 author_email = "dominic@davis-foster.co.uk"
54 github_username = "domdfcoding"
55 web = github_url = f"https://github.com/{github_username}/{modname}"
56
57 # Get info from files; set: long_description
58 if pathlib.Path.cwd().name == "doc-source":
59     print(pathlib.Path.cwd().parent / "README.rst")
60     # install_requires = (pathlib.Path.cwd().parent / "requirements.txt").read_
61     ↪text().split("\n")
62     long_description = (pathlib.Path.cwd().parent / "README.rst").read_text() +
63     ↪'\n'
64 else:
65     print(pathlib.Path("README.rst"))
66     # install_requires = pathlib.Path("requirements.txt").read_text().split("\n")
67     long_description = pathlib.Path("README.rst").read_text() + '\n'
68
69 data_files = [
70     ('share/applications', ['wxIconSaver.desktop']),
71 ]

```