easysetup Documentation

Release 0.0.19

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Contents

Helps creating a package distribution setup, that also runs tests, checkers and creates HTML and PDF documentation, for Windows users.

Description, features and To do

Description

Helps creating a package distribution setup, that also runs tests and creates HTML and PDF documentation, for Windows users.

When running easysetup without options, everything on the current directory is moved to a _bak directory.

After running easysetup, you can find a build.cmd in the current directory that should be run to build your application (execute build -h to see usage options).

Before runnning build.cmd for the first time, you should execute

```
$ pip install -r requirements-dev.txt
```

to install it's requirements.

Features:

- Easy to use, just run easysetup from your application setup directory (it backups everything in current directory to _bak directory when run without options).
- Allows creating source, wheel, win (exe or msi), py2exe, egg, dumb (zip on windows, tar/ztar/gztar/zip on GNU Linux in the future) and rpm (on GNU Linux in the future) dists.
- All setup configuration is in one file (appinfo.py).
- Runs tests and creates HTML and PDF documentation (if you have them, of course).
- Can publish to PyPI (including documentation if exists) and PyPI tests.
- Creates index.html with redirection to RTD, to be used if preferred for hosting documentation.
- Creates templates for Travis, Shippable, AppVeyor and tox.
- Creates a template for development requirements.
- Creates a template for installation requirements.
- Creates a template for git VCS exceptions.

- Creates a template for files to be included in the setup.

- Creates a template for a README file.

- Creates a template for wheel setup and Sphinx documentation upload.

- Can create template files in the doc directory (assumes use of Sphinx and that the sphinx-quickstart command was already executed).

- Can create an updated reference.rst in the doc directory (assumes previous item with the autodoc extension).

- Updates usage section in README.rst based on usage.txt, if it exists inside your application directory.

- Saves answers (DEFAULT_AUTHOR, DEFAULT_EMAIL, DEFAULT_LICENSE, DEFAULT_URL and DEFAULT_VERSION) for future use in other applications.

- Recreates reference.rst in the doc directory on each build (can be disabled inside build.cmd by changing the REBUILD_REFERENCE=YES to other value).

- If the setup directory is empty then a main template file is created inside the application directory.

- Checks source code with flake8 and Py3 compatibility with pylint.

- Add URLs to README.rst for PyPI, PyPI documentation site and RTD.

- Collects all To do from py files into README.rst To do section.

To do

easysetup.py: Auto rebuild requirements.txt on each dist build. easysetup.py: CXF in Py2 and Py3 easysetup.py: checks and error messages easysetup.py: Move build.cmd functionality to easysetup.py.

Installation, usage and options

Installation

```
$ pip install easysetup
```

Usage

```
$ easysetup
```

Options

```
$ easysetup -h

usage: easysetup [-option]

optional arguments:
  -d, --doc            creates template files in the doc directory
  -h, --help           show this help message
  -l, --license        show license
  -q, --quiet          no banner
  -r, --reference      creates an updated reference.rst in the doc directory
  -V, --version        show version

No arguments (or only -q, --quiet) creates setup files.
easysetup should always be run from the application setup directory.
```

Resources and contributing

Resources

- [Repository PyPI](#)
- [Documentation PyPI](#)
- [Repository Github](#)
- [Documentation Read the Docs](#)

Contributing

If Other repository above is Github or compatible, follow these guidelines for contributing:

1. Fork the [repository](#) .

2. Make a branch of master and commit your changes to it.

3. Ensure that your name is added to the end of the AUTHORS.rst file using the format: `Name <email@domain.com>`

4. Submit a Pull Request to the master branch.

Reference

common

Common use constants and functions.

common.**banner**()
Returns banner text.

common.**license_**()
Returns license text, read from a file.

common.**load_data**(*filename=u'/home/docs/checkouts/readthedocs.org/user_builds/easysetup/checkouts/latest/easysetup/data.json*
Load data (list).

common.**save_data**(*data_lst*, *filename=u'/home/docs/checkouts/readthedocs.org/user_builds/easysetup/checkouts/latest/easysetup/*
Save data (list).

common.**sleep**(*seconds=5*)
Pause for specified time.

common.**usage**()
Returns usage text, read from a file.

common.**version**()
Returns version.

easysetup

Helps creating a package distribution setup for Windows users.

easysetup.**create_redir2rtd_zip**()
Create zip of index.html that redirects pythonhosted to RTD.

easysetup.**create_setup**()
Copy files from template and update them with user input.

easysetup.**get_app_info**()
>   Read application info from appinfo.py.

easysetup.**main**()
>   Process command line args.

easysetup.**update_doc**()
>   Update doc dir.

easysetup.**update_file**(*filename*)
>   Update file with user input.

easysetup.**update_ref**()
>   Creates a new doc/reference.rst for Sphinx autodoc extension.

localization

Localization.

localization.**sys_lang**()
>   Get system language.

ChangeLog

0.0.19 2015-05-14

```
Add .json to .gitignore.
    Improved pkl compatiblity btw py2 and py3.
    Code cleanup in common.py.
```

0.0.18 2015-05-13

```
Added PyPy and PyPy3 to .travis.yml.
    Corrected some encoding issues.
    Simplified some code.
    Added setup_cxf.py.
    Export Shippable test results to a file to make them visible from
    the management page.
    Simplified DATA_FILES in setup_py2exe.py.
```

0.0.17 2015-05-09

```
Add support for Appveyor.
```

0.0.16 2015-05-08

```
Changed data format to json.
    Improved Unicode compliance.
    Corrected yml files for Travis and Shippable.
    Replaced unicode() for .decode().
    Added comment_import_for_py2exe() and
    uncomment_import_for_py2exe() in setup_utils.py to solve
    py2exe unicode errors (for the moment).
```

0.0.15 2015-05-04

```
Correct change_sphinx_theme().
    Correct requirements-dev.txt.
    Clarify some messages.
```

0.0.14 2015-05-02

```
Update .gitignore.
```

0.0.13 2015-05-02

```
Update usage template.
    Correct index.html.
    Update build.cmd.
```

0.0.12 2015-05-02

```
Include missing file in git (APPLICATION_NAME.py).
```

0.0.11 2015-05-02

```
Correct README.rst.
    Correct upd_usage_in_readme() text alignment.
```

0.0.10 2015-05-02

```
Recreates reference.rst in the doc directory on each build. Can be disabled
    inside build.cmd by remarking the REBUILD_REFERENCE=YES line.
    Checks PEP8 (flake8) and Py3 compatibility (pylint --py3k).
    Py3 compatibility check can be disabled inside build.cmd by remarking the
    CHECK_PY3_COMPATIBILITY=YES line.
    Code cleanup.
    Change sphinx theme when in RTD.
```

0.0.9 2015-04-26

```
Remove Sphinx upload section from setup.cfg.
    Update README.rst.
    Save answers (DEFAULT_AUTHOR, DEFAULT_EMAIL, DEFAULT_URL, DEFAULT_VERSION
    and DEFAULT_LICENSE) for future use in other applications.
    py2exe build now works with Py3 (tested with Anaconda).
```

0.0.8 2015-04-26

```
Add files and dirs to .gitignore.
    Correct setup_py2exe.py to include doc if exists.
    Add warning to py2exe build.
    Add ERRORLEVEL check when publishing dists to PyPI.
```

0.0.6 2015-04-26

```
Add dumb, msi and rpm options to build.cmd.
    Update README.rst.
    Correct os.linesep to '\n' in update_copyright() (setup-utils.py).
```

0.0.5 2015-04-25

```
Improve Py3 compatibility.
    Update rst files to improve docs.
    Add defaults to setup questions.
    Add build.cmd usage info.
    Update requirements.txt and requirements-dev.txt.
    Add delay between templates copying and renaming application directory.
```

0.0.4 2015-04-20

```
Update README.rst.
Updates usage section in README.rst based on usage.txt (which resides
    inside your application directory).
```

0.0.3 2015-04-20

```
Update README.rst.
```

0.0.2 2015-04-20

```
Remove rst2pdf module due to Py3 incompatibility.
Add To do list to README.rst.
```

0.0.1 2015-04-19

```
Create build.cmd to build source, egg, wheel, win, py2exe, cxf (still not
    working), doc and run tests.
Add PyPI and PyPItest uploads.
Create single file for setup info (appinfo.py) that can be used by the
    application itself.
Create templates for Travis, Shippable and tox.
Create template for development requirements (requirements-dev.txt).
Create empty template for installation requirements (requirements.txt).
Create template for git VCS exceptions (.gitignore).
Create template for files to be included in the setup (MANIFEST.in).
Create template for a README file (README.rst).
Create template for wheel setup and Sphinx documentation upload (setup.cfg).
Create option (-d) to copy templates to doc dir (ncludes option -r below).
Create option (-r) to update doc\reference.rst.
```

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CHAPTER 8

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- modindex
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