Riffle

Release 0.1.0

June 26, 2014

Contents

Filesystem browser for PySide.

CHAPTER 1

Installation

Installing Riffle is simple with pip:

```
$ pip install riffle
```

If the Cheeseshop (a.k.a. PyPI) is down, you can also install Riffle from one of the mirrors:

```
$ pip install --use-mirrors riffle
```

Alternatively, you may wish to download manually from Github where Riffle is actively developed.

You can clone the public repository:

```
$ git clone git://github.com/4degrees/riffle.git
```

Or download an appropriate tarball or zipball

Once you have a copy of the source, you can install it into your site-packages:

```
$ python setup.py install
```

1.1 Dependencies

- Python >= 2.6, < 3
- PySide >= 1.2.2, < 2
- Clique >= 1.2.0, < 2

1.1.1 Additional For testing

- Pytest >= 2.3.5

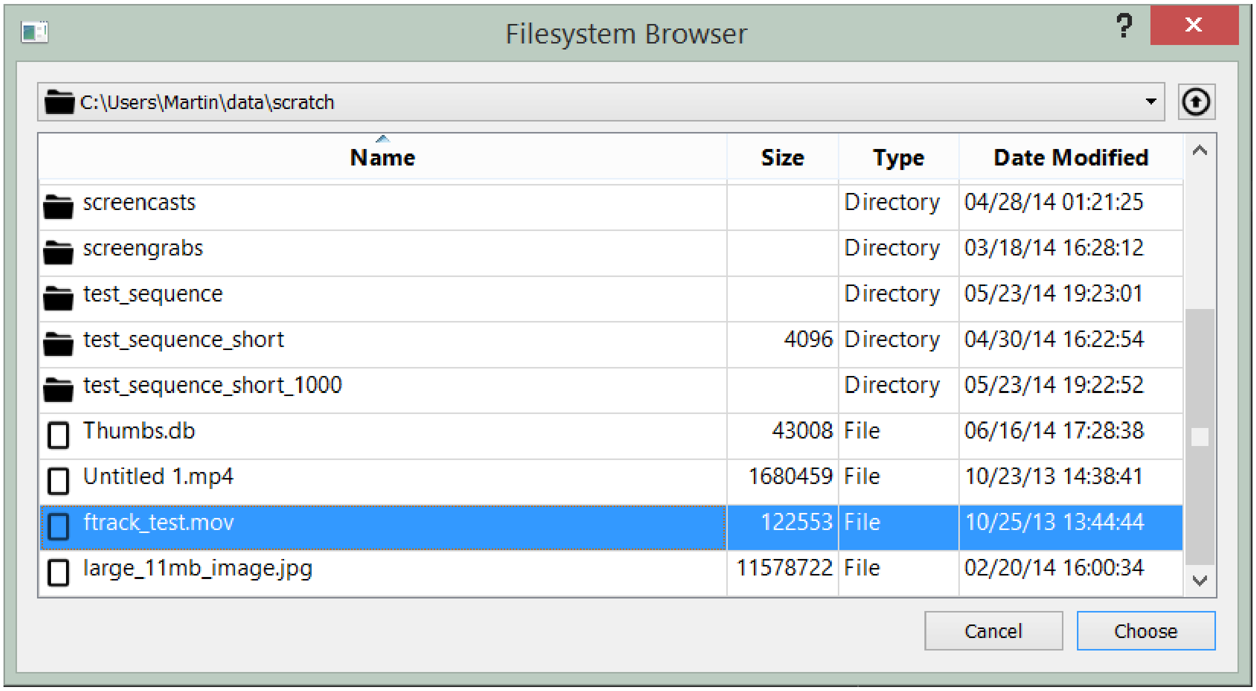
Usage

To use the browser, first create an instance of it and configure the size as desired:

```
import riffle.browser

browser = riffle.browser.FilesystemBrowser()
browser.setMinimumSize(800, 400)
```

Then open it in blocking mode and retrieve any selected files chosen by the user:

```
if browser.exec_():
    selected = browser.selected()
    print('Selected: {0}'.format(selected))
```

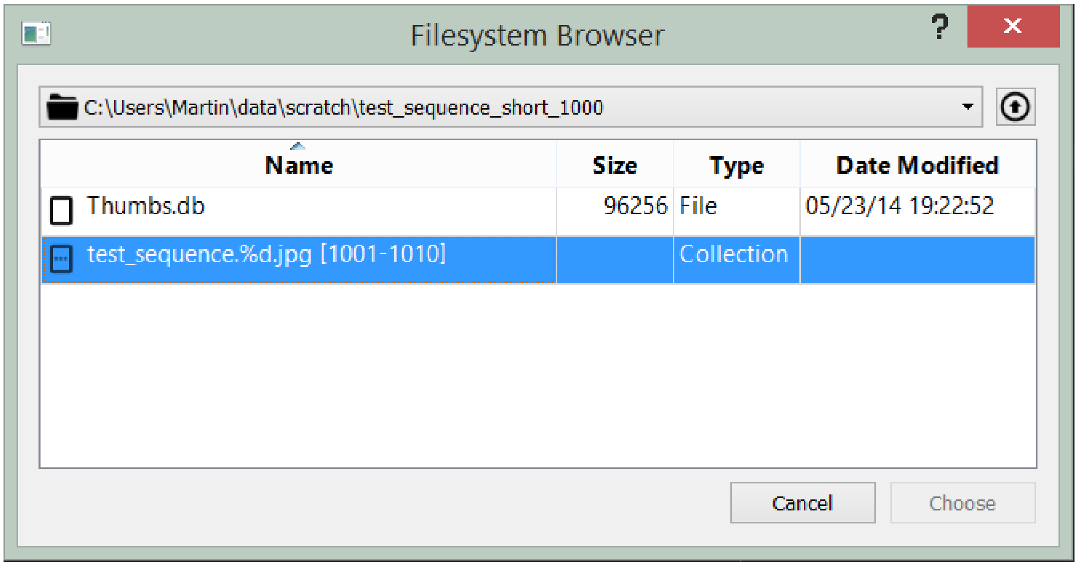


C:\Users\Martin\data\scratch

Name	Size	Type	Date Modified
screencasts		Directory	04/28/14 01:21:25
screengrabs		Directory	03/18/14 16:28:12
test_sequence		Directory	05/23/14 19:23:01
test_sequence_short	4096	Directory	04/30/14 16:22:54
test_sequence_short_1000		Directory	05/23/14 19:22:52
Thumbs.db	43008	File	06/16/14 17:28:38
Untitled 1.mp4	1680459	File	10/23/13 14:38:41
ftrack_test.mov	122553	File	10/25/13 13:44:44
large_11mb_image.jpg	11578722	File	02/20/14 16:00:34

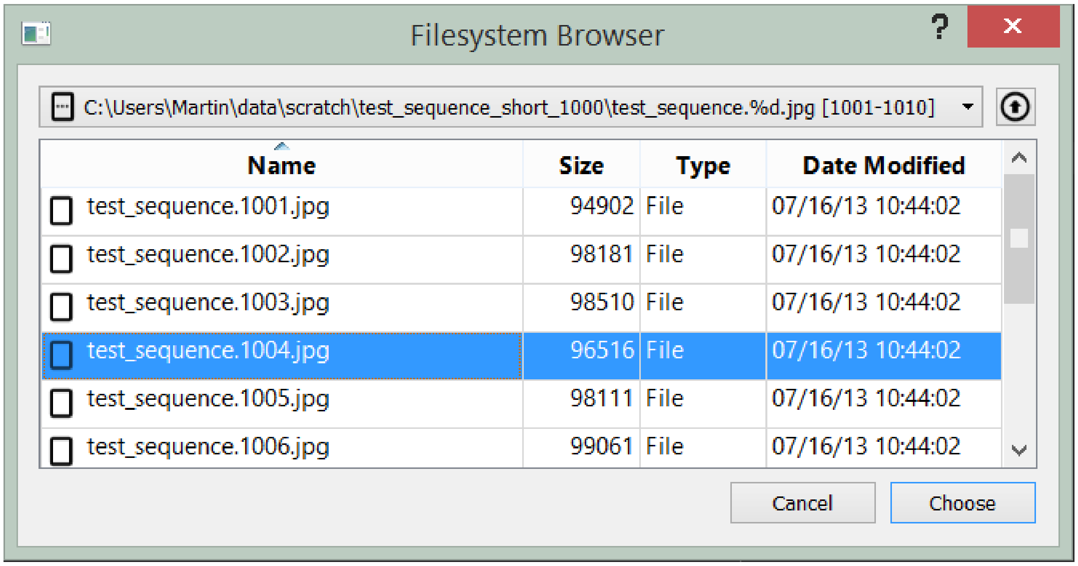
```
Selected: [u'C:\\Users\\Martin\\data\\scratch\\ftrack_test.mov']
```

The browser can also identify sequences of files (using Clique). They will be displayed as a special *collection* item and can be navigated into like a directory to see and select individual files.



C:\Users\Martin\data\scratch\test_sequence_short_1000

Name	Size	Type	Date Modified
Thumbs.db	96256	File	05/23/14 19:22:52
test_sequence.%d.jpg [1001-1010]		Collection	

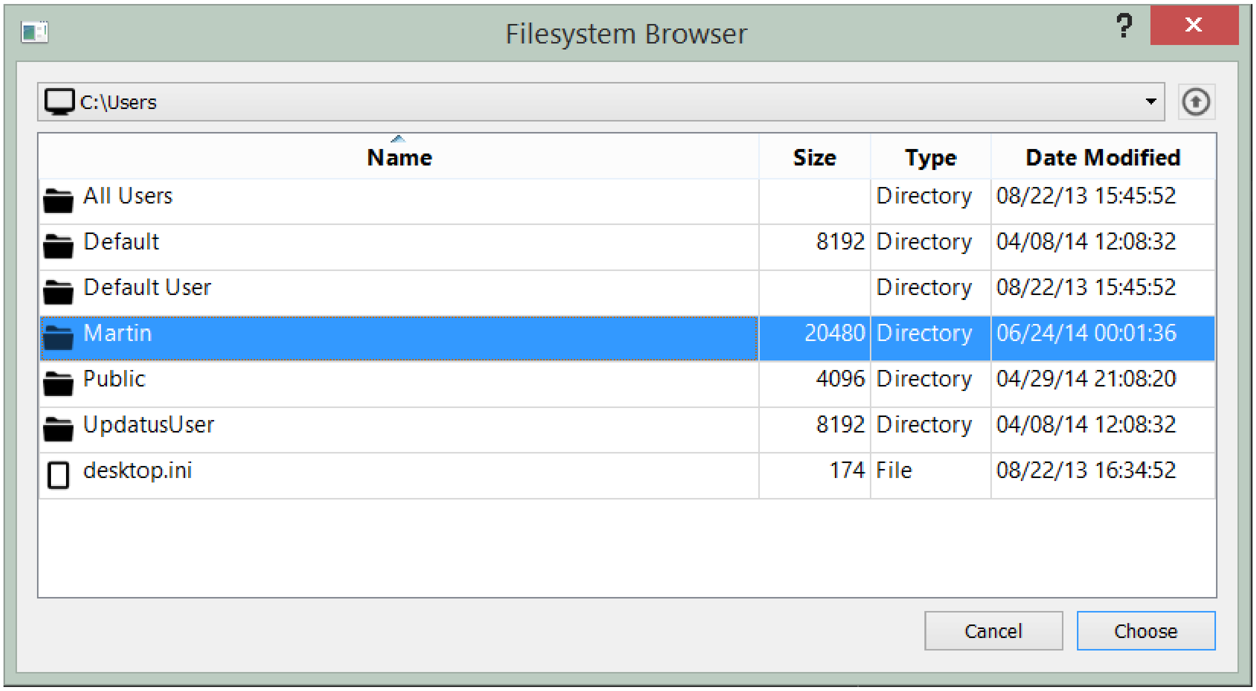


C:\Users\Martin\data\scratch\test_sequence_short_1000\test_sequence.%d.jpg [1001-1010]

Name	Size	Type	Date Modified
test_sequence.1001.jpg	94902	File	07/16/13 10:44:02
test_sequence.1002.jpg	98181	File	07/16/13 10:44:02
test_sequence.1003.jpg	98510	File	07/16/13 10:44:02
test_sequence.1004.jpg	96516	File	07/16/13 10:44:02
test_sequence.1005.jpg	98111	File	07/16/13 10:44:02
test_sequence.1006.jpg	99061	File	07/16/13 10:44:02

Each browser instance can be configured with a root path. The browser will not be able to navigate above this root path:

```
browser = riffle.browser.FilesystemBrowser('C:\\Users')
browser.show()
```

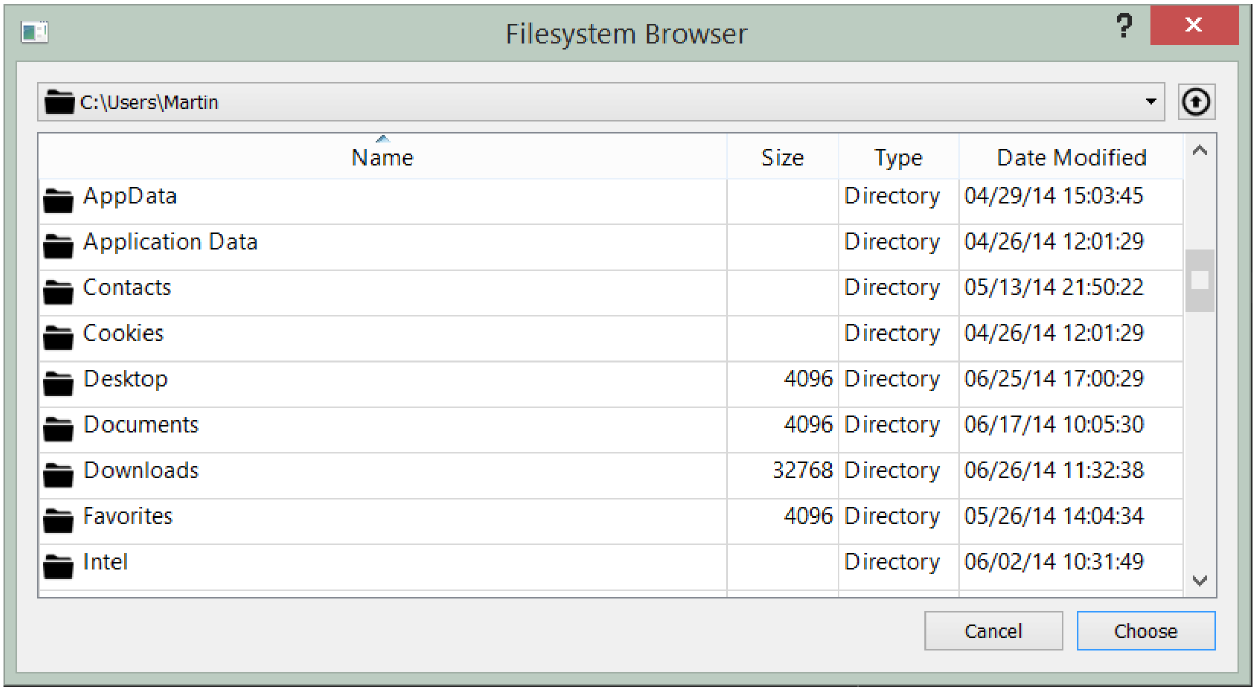


C:\Users

Name	Size	Type	Date Modified
All Users		Directory	08/22/13 15:45:52
Default	8192	Directory	04/08/14 12:08:32
Default User		Directory	08/22/13 15:45:52
Martin	20480	Directory	06/24/14 00:01:36
Public	4096	Directory	04/29/14 21:08:20
UpdatusUser	8192	Directory	04/08/14 12:08:32
desktop.ini	174	File	08/22/13 16:34:52

In addition to a root, a browser also has a location that can be set to change the currently displayed location:

```
browser.setLocation('C:\\Users\\Martin')
```



C:\Users\Martin

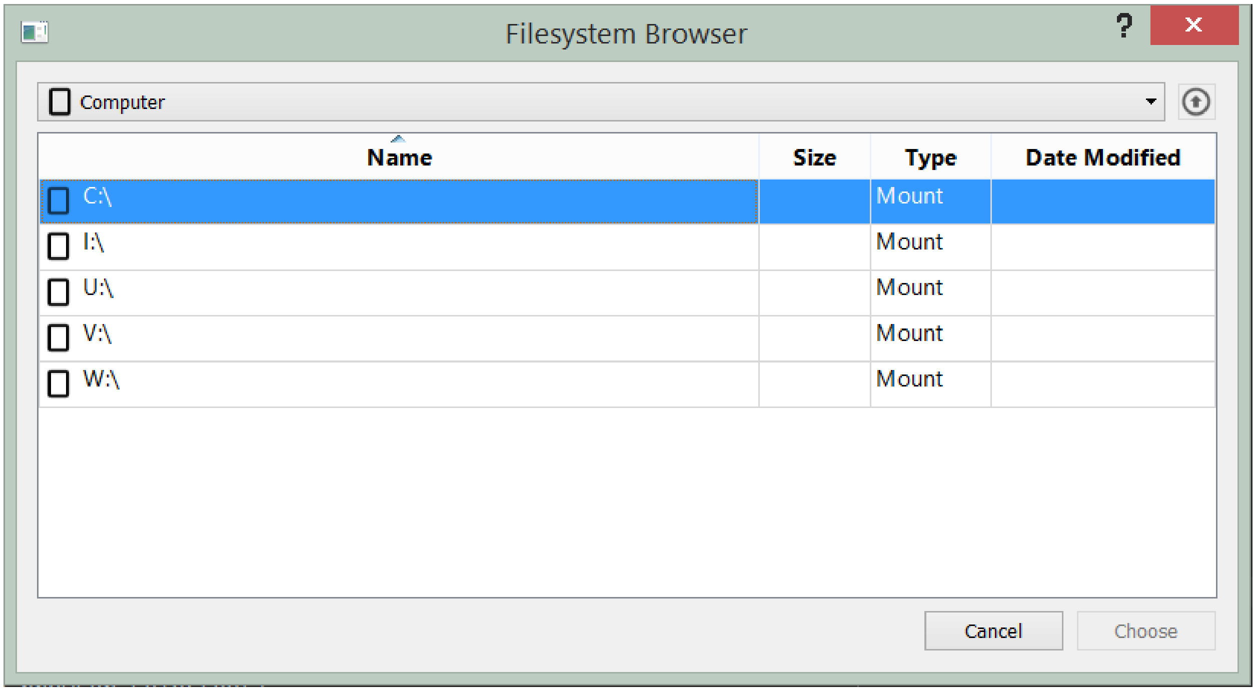
Name	Size	Type	Date Modified
AppData		Directory	04/29/14 15:03:45
Application Data		Directory	04/26/14 12:01:29
Contacts		Directory	05/13/14 21:50:22
Cookies		Directory	04/26/14 12:01:29
Desktop	4096	Directory	06/25/14 17:00:29
Documents	4096	Directory	06/17/14 10:05:30
Downloads	32768	Directory	06/26/14 11:32:38
Favorites	4096	Directory	05/26/14 14:04:34
Intel		Directory	06/02/14 10:31:49

Note: It is not possible to set a location that is outside the root path tree. An error is raised if attempted.

2.1 Icons

Icons displayed for entries in the browser are provided by an `IconFactory`. You can pass in your own icon factory to the browser to customise the icons used:

```
class AllFilesIconFactory(object):
    '''Force all icons to be file icons.'''

    def icon(self, specification):
        '''Return appropriate icon for *specification*.

        *specification* should be either:

            * An instance of :py:class:`riffle.model.Item`
            * One of the defined icon types (:py:class:`IconType`)

        '''
        return QtGui.QIcon(':riffle/icon/file')


browser = riffle.browser.FilesystemBrowser(
    iconFactory=AllFilesIconFactory()
)
```



Name	Size	Type	Date Modified
C:\		Mount	
I:\		Mount	
U:\		Mount	
V:\		Mount	
W:\		Mount	

CHAPTER 3

API reference

3.1 riffle

3.2 riffle.browser

3.3 riffle.icon_factory

3.4 riffle.model

CHAPTER 4

Glossary

CHAPTER 5

Indices and tables

- *genindex*
- *modindex*
- *search*

CHAPTER 6

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