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# **dask-imread Documentation**

***Release 0.1.1+0.gd3921b2.dirty***

**John Kirkham**

**Jun 12, 2017**



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# CHAPTER 1

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## dask-imread

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A library for loading image data into Dask

- Free software: BSD 3-Clause
- Documentation: <https://dask-imread.readthedocs.io>.

## Features

- TODO

## Credits

This package was created with [Cookiecutter](#) and the [dask-image/dask-image-cookiecutter](#) project template.



### Stable release

To install dask-imread, run this command in your terminal:

```
$ pip install dask-imread
```

This is the preferred method to install dask-imread, as it will always install the most recent stable release.

If you don't have [pip](#) installed, this [Python installation guide](#) can guide you through the process.

### From sources

The sources for dask-imread can be downloaded from the [Github repo](#).

You can either clone the public repository:

```
$ git clone git://github.com/dask-image/dask-imread
```

Or download the [tarball](#):

```
$ curl -OL https://github.com/dask-image/dask-imread/tarball/master
```

Once you have a copy of the source, you can install it with:

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



## CHAPTER 3

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### Usage

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To use dask-imread in a project:

```
import dask_imread
```



## dask\_imread package

`dask_imread.imread(fname, nframes=1)`

Read image data into a Dask Array.

Provides a simple, fast mechanism to ingest image data into a Dask Array.

### Parameters

- **fname** (*str*) – A glob like string that may match one or multiple filenames.
- **nframes** (*int, optional*) – Number of the frames to include in each chunk (default: 1).

**Returns** **array** – A Dask Array representing the contents of all image files.

**Return type** `dask.array.Array`



Contributions are welcome, and they are greatly appreciated! Every little bit helps, and credit will always be given. You can contribute in many ways:

### Types of Contributions

#### Report Bugs

Report bugs at <https://github.com/dask-image/dask-imread/issues>.

If you are reporting a bug, please include:

- Your operating system name and version.
- Any details about your local setup that might be helpful in troubleshooting.
- Detailed steps to reproduce the bug.

#### Fix Bugs

Look through the GitHub issues for bugs. Anything tagged with “bug” and “help wanted” is open to whoever wants to implement it.

#### Implement Features

Look through the GitHub issues for features. Anything tagged with “enhancement” and “help wanted” is open to whoever wants to implement it.

## Write Documentation

dask-imread could always use more documentation, whether as part of the official dask-imread docs, in docstrings, or even on the web in blog posts, articles, and such.

## Submit Feedback

The best way to send feedback is to file an issue at <https://github.com/dask-image/dask-imread/issues>.

If you are proposing a feature:

- Explain in detail how it would work.
- Keep the scope as narrow as possible, to make it easier to implement.
- Remember that this is a volunteer-driven project, and that contributions are welcome :)

## Get Started!

Ready to contribute? Here's how to set up *dask-imread* for local development.

1. Fork the *dask-imread* repo on GitHub.
2. Clone your fork locally:

```
$ git clone git@github.com:your_name_here/dask-imread.git
```

3. Install your local copy into an environment. Assuming you have conda installed, this is how you set up your fork for local development (on Windows drop *source*). Replace “<some version>” with the Python version used for testing.:

```
$ conda create -n dask-imreadenv python="<some version>"
$ source activate dask-imreadenv
$ python setup.py develop
```

4. Create a branch for local development:

```
$ git checkout -b name-of-your-bugfix-or-feature
```

Now you can make your changes locally.

5. When you're done making changes, check that your changes pass flake8 and the tests, including testing other Python versions:

```
$ flake8 dask_imread tests
$ python setup.py test or py.test
```

To get flake8, just conda install it into your environment.

6. Commit your changes and push your branch to GitHub:

```
$ git add .
$ git commit -m "Your detailed description of your changes."
$ git push origin name-of-your-bugfix-or-feature
```

7. Submit a pull request through the GitHub website.

## Pull Request Guidelines

Before you submit a pull request, check that it meets these guidelines:

1. The pull request should include tests.
2. If the pull request adds functionality, the docs should be updated. Put your new functionality into a function with a docstring, and add the feature to the list in README.rst.
3. The pull request should work for Python 2.7, 3.4, 3.5, and 3.6. Check [https://travis-ci.org/dask-image/dask-imread/pull\\_requests](https://travis-ci.org/dask-image/dask-imread/pull_requests) and make sure that the tests pass for all supported Python versions.

## Tips

To run a subset of tests:

```
$ py.test tests/test_dask_imread.py
```



## CHAPTER 6

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### Credits

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### Development Lead

- John Kirkham, Howard Hughes Medical Institute <[kirkhamj@janelia.hhmi.org](mailto:kirkhamj@janelia.hhmi.org)>

### Contributors

None yet. Why not be the first?



## CHAPTER 7

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### Indices and tables

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