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# **argparse2 Documentation**

*Release 0.5*

**Chris Jerdonek**

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argparse2 is a Python library that is a fork of the the Python standard library's [argparse](#) module. The [project page](#) is on [GitHub](#).

argparse2 is distributed for free on [PyPI](#) and the source code is hosted on [GitHub](#). Documentation is hosted on [Read the Docs](#).

TODO

Contents:



This page contains information for those contributing to `argparse2`.

### Setting up

To develop locally, clone the repo.

Then run the following from the repo root in a new [virtualenv](#):

```
$ pip install -e .[dev,test]
```

### Running tests

To run tests:

```
$ ./tests.sh
```

The test runner allows tests to be run with either `argparse` or `argparse2` as the `argparse` module. This makes it easy to see what test cases the two differ on.

### Writing tests

The repository contains two types of tests: the original unit tests carried over from CPython's `argparse` and new `argparse2`-specific tests.

The original `argparse` tests are in a single file copied from the CPython repository (and modified slightly to support importing `argparse2` instead of `argparse`). New tests should not be added to this file. This simplifies keeping the upstream tests in synch with this project.

## Building documentation

To build and view documentation locally:

```
$ cd docs
$ make html
$ open _build/html/index.html
```

This page contains a summary of `argparse2` changes.

### Next version (TBD)

- Simplified and refactored some formatting-related code (e.g. parts of the `HelpFormatter` class).
- [CPython [issue #14037](#)]: Added an `add_parser_group()` method to let subcommands be organized in groups.

### 0.1.0

- Forked the following files from CPython version 3.5.0 alpha 1 on November 27, 2014 (changeset `93622:167d51a54de2` from the [CPython repository](#)):
  - `Lib/argparse.py`
  - `Lib/test_argparse.py`
  - `Doc/library/argparse.rst`



## CHAPTER 3

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### Indices and tables

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