
Mongo Conduction Documentation

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Wire Protocol frontend server to [Mongo Orchestration](#).

Follow [Installation](#) instructions, then:

```
$ mongo-conduction
listening on mongodb://localhost:27017
```

Connect with the mongo shell:

```
$ mongo
Server has startup warnings:
hello from Conduction!
Conduction:PRIMARY>
```

Conduction translates Mongo Orchestration’s REST API to MongoDB Wire Protocol commands straightforwardly:

```
Conduction:PRIMARY> var info = db.runCommand({
...   post: '/servers',
...   body: {id: "my_id", preset: "basic.json"}
... })
Conduction:PRIMARY> info
{
  "links" : [
    {
      "href" : "/v1/servers/my_id",
      "method" : "DELETE",
      "rel" : "delete-server"
    },
    {
      "href" : "/v1/servers/my_id",
      "method" : "GET",
      "rel" : "get-server-info"
    }
  ],
  // ... lots more info ...
  "mongodb_uri" : "mongodb://127.0.0.1:1027",
}
```

The “v1” path prefix is optional. Get server info:

```
Conduction:PRIMARY> db.runCommand({get: "/servers/my_id"})
{
  // ... lots of info ...
}
```

Shut a server down:

```
Conduction:PRIMARY> db.runCommand({delete: "/servers/my_id"})
{ "ok" : 1 }
```

Contents:

Mongo Conduction

Wire Protocol frontend server to [Mongo Orchestration](#).

- Documentation: <https://mongo-conduction.readthedocs.org>.

Installation

At the command line:

```
$ easy_install mongo-conduction
```

Or, if you have virtualenvwrapper installed:

```
$ mkvirtualenv mongo-conduction  
$ pip install mongo-conduction
```

Install MongoDB too.

Usage

TODO.

Contributing

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

4.1 Types of Contributions

4.1.1 Report Bugs

Report bugs at <https://github.com/ajdavis/mongo-conduction/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.

4.1.2 Fix Bugs

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

4.1.3 Implement Features

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

4.1.4 Write Documentation

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

4.1.5 Submit Feedback

The best way to send feedback is to file an issue at <https://github.com/ajdavis/mongo-conduction/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 :)

4.2 Get Started!

Ready to contribute? Here's how to set up `mongo-conduction` for local development.

1. Fork the `mongo-conduction` repo on GitHub.

2. Clone your fork locally:

```
$ git clone git@github.com:your_name_here/mongo-conduction.git
```

3. Install your local copy into a virtualenv. Assuming you have `virtualenvwrapper` installed, this is how you set up your fork for local development:

```
$ mkvirtualenv mongo-conduction
$ cd mongo-conduction/
$ 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 with `tox`:

```
$ flake8 mongo-conduction tests
$ python setup.py test
$ tox
```

To get `flake8` and `tox`, just `pip` install them into your virtualenv.

See the guide to `testing`.

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.

4.3 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 2.6, 2.7, 3.3, and 3.4, and for PyPy. Check https://travis-ci.org/ajdavis/mongo-conduction/pull_requests and make sure that the tests pass for all supported Python versions.

4.4 Tips

To run a subset of tests:

```
$ python -m unittest tests.test_conduction
```

Credits

5.1 Development Lead

- 1. Jesse Jiryu Davis <jesse@mongodb.com>

5.2 Contributors

None yet. Why not be the first?

Changelog

6.1 0.1.0 (2015-03-04)

- Development begun

Indices and tables

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

Image Credit: [Ed Ouimette](#)