# Contributing to PM2

## Pull-Requests

1. Fork pm2

2. Create a different branch to do your fixes/improvements if it's core-related.

3. Please add unit tests! There are lots of tests take examples from there!

4. Try to be as clear as possible in your commits

5. Pull request on the \*\*development branch\*\* from your fork

We 'd like to keep our master branch as clean as possible, please avoid PRs on master, thanks!

## Fire an issue

When you got an issue by using pm2, you will fire an issue on [github](https://github.com/Unitech/pm2). We'll be glad to help or to fix it but the more data you give the most fast it would be resolved.

Please try following these rules it will make the task easier for you and for us:

#### 1. Search through issues if it hasn't been resolved yet

#### 2. Make sure that you provide following informations:

- pm2 version `pm2 --version`

- nodejs version `node --version`

- operating system

- `head -n 50 ~/.pm2/pm2.log` output

#### 3. Provide details about your issue:

- What are the steps that brought me to the issue?

- How may I reproduce this? (this isn't easy in some cases)

- Are you using a cluster module? Are you trying to catch SIGTERM signals? With `code` if possible.

#### 4. Think global

If your issue is too specific we might not be able to help and stackoverflow might be a better place to seak for an answer

#### 5. Be clear and format issues with [markdown](http://daringfireball.net/projects/markdown/)

Note that we might understand english, german and french but english is prefered.

#### 6. Use debugging functions:

```DEBUG=pm2:\* PM2\_DEBUG=true ./bin/pm2 --no-daemon start my-buggy-thing.js```

If your issue is flagged as `need data` be sure that there won't be any upgrade unless we can have enough data to reproduce.