# Contributing to `twilio-php`

We'd love for you to contribute to our source code and to make `twilio-php`

even better than it is today! Here are the guidelines we'd like you to follow:

- [Code of Conduct](#coc)

- [Question or Problem?](#question)

- [Issues and Bugs](#issue)

- [Feature Requests](#feature)

- [Documentation fixes](#docs)

- [Submission Guidelines](#submit)

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## <a name="coc"></a> Code of Conduct

Help us keep `twilio-php` open and inclusive. Please be kind to and considerate

of other developers, as we all have the same goal: make `twilio-php` as good as

it can be.

## <a name="question"></a> Got an API/Product Question or Problem?

If you have questions about how to use `twilio-php`, please see our

[docs][docs-link], and if you don't find the answer there, please contact

[help@twilio.com](mailto:help@twilio.com) with any issues you have.

## <a name="issue"></a> Found an Issue?

If you find a bug in the source code or a mistake in the documentation, you can

help us by submitting [an issue][issue-link]. If the file in which the error

exists has this header:

```

"""

This code was generated by

\ / \_ \_ \_| \_ \_

| (\_)\/(\_)(\_|\/| |(/\_ v1.0.0

/ /

"""

```

then it is a generated file and the change will need to be made by us, but

submitting an issue will help us track it and keep you up-to-date. If the file

isn't generated, you can help us out even more by submitting a Pull Request with

a fix.

\*\*Please see the [Submission Guidelines](#submit) below.\*\*

## <a name="feature"></a> Want a Feature?

You can request a new feature by submitting an issue to our

[GitHub Repository][github]. If you would like to implement a new feature then

consider what kind of change it is:

\* \*\*Major Changes\*\* that you wish to contribute to the project should be

discussed first with `twilio-php` contributors in an issue or pull request so

that we can develop a proper solution and better coordinate our efforts,

prevent duplication of work, and help you to craft the change so that it is

successfully accepted into the project.

\* \*\*Small Changes\*\* can be crafted and submitted to the

[GitHub Repository][github] as a Pull Request.

## <a name="docs"></a> Want a Doc Fix?

If you want to help improve the docs in the helper library, it's a good idea to

let others know what you're working on to minimize duplication of effort. Create

a new issue (or comment on a related existing one) to let others know what

you're working on.

For large fixes, please build and test the documentation before submitting the

PR to be sure you haven't accidentally introduced layout or formatting issues.

If you want to help improve the docs at

[https://www.twilio.com/docs/libraries/php][docs-link], please contact

[help@twilio.com](mailto:help@twilio.com).

## <a name="submit"></a> Submission Guidelines

### Submitting an Issue

Before you submit your issue search the archive, maybe your question was already

answered.

If your issue appears to be a bug, and hasn't been reported, open a new issue.

Help us to maximize the effort we can spend fixing issues and adding new

features by not reporting duplicate issues. Providing the following information

will increase the chances of your issue being dealt with quickly:

\* \*\*Overview of the Issue\*\* - if an error is being thrown a non-minified stack

trace helps

\* \*\*Motivation for or Use Case\*\* - explain why this is a bug for you

\* \*\*`twilio-php` Version(s)\*\* - is it a regression?

\* \*\*Operating System (if relevant)\*\* - is this a problem with all systems or

only specific ones?

\* \*\*Reproduce the Error\*\* - provide an isolated code snippet or an unambiguous

set of steps.

\* \*\*Related Issues\*\* - has a similar issue been reported before?

\* \*\*Suggest a Fix\*\* - if you can't fix the bug yourself, perhaps you can point

to what might be causing the problem (line of code or commit)

\*\*If you get help, help others. Good karma rules!\*\*

### Submitting a Pull Request

Before you submit your pull request consider the following guidelines:

\* Search [GitHub][github] for an open or closed Pull Request that relates to

your submission. You don't want to duplicate effort.

\* Make your changes in a new git branch:

```shell

git checkout -b my-fix-branch master

```

\* Create your patch, \*\*including appropriate test cases\*\*.

\* Follow our [Coding Rules](#rules).

\* Run the full `twilio-php` test suite (aliased by `make test`), and ensure

that all tests pass.

\* Commit your changes using a descriptive commit message.

```shell

git commit -a

```

Note: the optional commit `-a` command line option will automatically "add"

and "rm" edited files.

\* Build your changes locally to ensure all the tests pass:

```shell

make test

```

\* Push your branch to GitHub:

```shell

git push origin my-fix-branch

```

In GitHub, send a pull request to `twilio-php:master`.

If we suggest changes, then:

\* Make the required updates.

\* Re-run the `twilio-php` test suite to ensure tests are still passing.

\* Commit your changes to your branch (e.g. `my-fix-branch`).

\* Push the changes to your GitHub repository (this will update your Pull Request).

That's it! Thank you for your contribution!

#### After your pull request is merged

After your pull request is merged, you can safely delete your branch and pull

the changes from the main (upstream) repository.

## <a name="rules"></a> Coding Rules

To ensure consistency throughout the source code, keep these rules in mind as

you are working:

\* All features or bug fixes \*\*must be tested\*\* by one or more tests.

\* All classes and methods \*\*must be documented\*\*.

## <a name="testing"></a> Local Testing with Docker

We have included a [Dockerfile](https://github.com/twilio/twilio-php/blob/master/Dockerfile-dev) that enables easy local testing, given a specified PHP version.

Sample simple workflow:

1. `git clone https://github.com/twilio/twilio-php.git`

1. `cd twilio-php`

1. `make install`

1. `make docker-dev-build VERSION=7.4-rc`

1. `make docker-dev-test VERSION=7.4-rc`

1. Modify code

1. `make docker-dev-test VERSION=7.4-rc`

Tested versions: 7.1.32, 7.2.22, 7.3.9 and 7.4-rc. A complete list of supported PHP versions can be found at the [Docker docs page](https://docs.docker.com/samples/library/php).

[docs-link]: https://www.twilio.com/docs/libraries/php

[issue-link]: https://github.com/twilio/twilio-php/issues/new

[github]: https://github.com/twilio/twilio-php