# Contributing to the AWS SDK for PHP

We work hard to provide a high-quality and useful SDK for our AWS services, and

we greatly value feedback and contributions from our community. Please submit

your [issues][] or [pull requests][pull-requests] through GitHub.

## Things to keep in mind

1. The SDK is released under the [Apache license][license]. Any code you submit

will be released under that license. For substantial contributions, we may

ask you to sign a [Contributor License Agreement (CLA)][cla].

1. We follow all of the relevant PSR recommendations from the [PHP Framework

Interop Group][php-fig]. Please submit code that follows these standards.

The [PHP CS Fixer][cs-fixer] tool can be helpful for formatting your code.

1. We maintain a high percentage of code coverage in our unit tests. If you make

changes to the code, please add, update, and/or remove tests as appropriate.

1. Static code analysis with [PHPStan][phpstan] is automatically run on the `src`

directory for submitted pull requests. If there is a case that needs to be

ignored by static analysis, please update the `ignoreErrors` section in the

`phpstan.neon` config file in your PR, and point out why this case warrants

ignoring.

1. We may choose not to accept pull requests that change files in the `src/data`

directory, since we generate these files based on our internal knowledge of

the AWS services. Please check in with us ahead of time if you find a mistake

or missing feature that would affect those files.

1. If your code does not conform to the PSR standards, does not include adequate

tests, or does not contain a changelog document, we may ask you to update

your pull requests before we accept them. We also reserve the right to deny

any pull requests that do not align with our standards or goals.

1. If you would like to implement support for a significant feature that is not

yet available in the SDK, please talk to us beforehand to avoid any

duplication of effort.

1. We greatly appreciate contributions to our User Guide. The docs are written

as a [Sphinx][] website formatted with [reStructuredText][] (very similar to

Markdown). The User Guide is located in another repository. Please go to the

[awsdocs/aws-php-developers-guide](https://github.com/awsdocs/aws-php-developers-guide/).

repository to suggest edits for the User Guide.

1. If you are working on the SDK, make sure to check out the `Makefile` for some

of the common tasks that we have to do.

## Changelog Documents

A changelog document is a small JSON blob placed in the `.changes/nextrelease`

folder. It should be named a clearly and uniquely, akin to a branch name. It

consists of a type, category, and description as follows:

```json

[

{

"type": "feature|enhancement|bugfix",

"category": "Target of Update",

"description": "English language simple description of your update."

}

]

```

#### Changelog Types

\* `feature` - For major additive features, internal changes that have

outward impact, or updates to the SDK foundations. This will result in a minor

version change.

\* `enhancement` - For minor additive features or incremental sized changes.

This will result in a patch version change.

\* `bugfix` - For minor changes that resolve an issue. This will result in a

patch version change.

\* `documentation` - For updates to guides and documentation files only. This will

result in a patch version change.

#### Changelog Categories

A changelog document's `category` field should correspond to a Service subfolder

of the `src` directory. If your update is for core components of the SDK, the

category field should exist with the value set to an empty string `""`.

[issues]: https://github.com/aws/aws-sdk-php/issues

[pull-requests]: https://github.com/aws/aws-sdk-php/pulls

[license]: http://aws.amazon.com/apache2.0/

[cla]: https://github.com/aws/aws-cla/blob/master/amazon-single-contribution-license.txt

[php-fig]: http://php-fig.org

[cs-fixer]: http://cs.sensiolabs.org/

[phpstan]: https://github.com/phpstan/phpstan

[sphinx]: http://sphinx-doc.org/

[restructuredtext]: http://sphinx-doc.org/rest.html

[docs-readme]: https://github.com/aws/aws-sdk-php/blob/master/docs/README.md