# Contributing to Rspamd

:tada: First off, thanks for taking the time to contribute! :tada:

The following is a set of guidelines for contributing to Rspamd and its packages, which are hosted in the [Rspamd Organization](https://github.com/rspamd) on GitHub. These are mostly guidelines, not rules. Use your best judgment, and feel free to propose changes to this document in a pull request. This contribution policy is heavily inspired by [Atom editor](https://github.com/atom/atom).

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## I don't want to read this whole thing I just have a question

> \*\*Note:\*\* Please don't file an issue to ask a question. You'll get faster results by using the resources below.

We have an official site with a detailed FAQ and various community support resources.

\* [Support channels explained](https://rspamd.com/support.html)

\* [Rspamd FAQ](https://rspamd.com/doc/faq.html)

The best way to ask a question and to get a relevant reply is the mailing list:

\* [Join Rspamd mailing lists](https://lists.rspamd.com/)

If chat is more your speed, you can join the Rspamd developers and users using Telegram or IRC:

\* [Join Rspamd telegram channel](http://t.me/rspamd)

\* [Join Rspamd IRC channel](https://freenode.net/):

\* server: irc.freenode.net (port 6666)

\* channel: #rspamd

Please bear in mind that even though tel is a chat service, sometimes it takes several hours for community members to respond &mdash; please be patient!

## How Can I Contribute?

### Reporting Bugs

This section guides you through submitting a bug report for Rspamd. Following these guidelines helps maintainers and the community understand your report :pencil:, reproduce the behavior :computer: :computer:, and find related reports :mag\_right:.

When you are creating a bug report, please [include as many details as possible](#how-do-i-submit-a-good-bug-report). Fill out the required template, the information it asks for helps us resolve issues faster.

> \*\*Note:\*\* If you find a \*\*Closed\*\* issue that seems like it is the same thing that you're experiencing, open a new issue and include a link to the original issue in the body of your new one.

#### Before Submitting A Bug Report

\* Read about bug reporting in general: https://rspamd.com/doc/faq.html#how-to-report-bugs-found-in-rspamd

\* Enable relevant debugging logs: https://rspamd.com/doc/faq.html#how-to-debug-some-module-in-rspamd

\* Check the FAQs about Core files in case of fatal crash: https://rspamd.com/doc/faq.html#how-to-figure-out-why-rspamd-process-crashed

\* Check that your issue isn't already filed: https://github.com/issues?utf8=%E2%9C%93&q=is%3Aissue+user%3Arspamd

\* Check that there is not already an experimental package or master branch

#### How Do I Submit A (Good) Bug Report?

Explain the problem and include additional details to help maintainers reproduce the problem:

\* \*\*Use a clear and descriptive title\*\* for the issue to identify the problem.

\* \*\*Describe the exact steps which reproduce the problem\*\* in as many details as possible. For example, start by explaining how you started Rspamd, e.g. which custom configuration are you using, or what message have you scanned. When listing steps, \*\*don't just say what you did, but explain how you did it\*\*.

\* \*\*Provide specific examples to demonstrate the steps\*\*. Include links to files or GitHub projects, or copy/pasteable snippets, which you use in those examples. If you're providing snippets in the issue, use [Markdown code blocks](https://help.github.com/articles/markdown-basics/#multiple-lines).

\* \*\*Describe the behavior you observed after following the steps\*\* and point out what exactly is the problem with that behavior.

\* \*\*Explain which behavior you expected to see instead and why.\*\*

\* \*\*If you're reporting that Atom crashed\*\*, include a crash report with a stack trace from the operating system: https://rspamd.com/doc/faq.html#how-to-figure-out-why-rspamd-process-crashed

\* \*\*If the problem wasn't triggered by a specific action\*\*, describe what you were doing before the problem happened and share more information using the guidelines below.

Provide more context by answering these questions:

\* \*\*Did the problem start happening recently\*\* (e.g. after updating to a new version of Atom) or was this always a problem?

\* If the problem started happening recently, \*\*can you reproduce the problem in an older version of Atom?\*\* What's the most recent version in which the problem doesn't happen? You can download older versions of Atom from [the releases page](https://github.com/atom/atom/releases).

\* \*\*Can you reliably reproduce the issue?\*\* If not, provide details about how often the problem happens and under which conditions it normally happens.

\* If the problem is related to scanning messages, \*\*does the problem happen for all messages or only some?\*\*

Include details about your configuration and environment:

\* \*\*Which version of Rspamd are you using?\*\*

\* \*\*What's the name and version of the OS you're using\*\*?

\* \*\*What hardware are you using, including CPU generation\*\*, e.g. Intel Haswell or ArmV7? If you have `gcc` installed, that could be achieved by the following command: `gcc -march=native -Q --help=target|grep march`. In Linux, you can also check `/proc/cpuinfo` file for the required details.

## Styleguides

### Git Commit Messages

\* Use the present tense ("Add feature" not "Added feature")

\* Use the imperative mood ("Move cursor to..." not "Moves cursor to...")

\* Limit the first line to 72 characters or less (without tag)

\* Reference issues and pull requests liberally after the first line

\* Consider starting the commit message with an applicable tag:

\* [Minor] - minor issue/improvement not worth to mention in ChangeLog

\* [Feature] - a significant feature

\* [Fix] - bug fix

\* [CritFix] - critical bug fix

\* [Rework] - some significant logic rework

\* [Config] - configuration change

\* [Rules] - rules change

### Lua styleguide

Please use the following [Lua style guide](lua\_style.md) when contributing changes to Lua code. This guide is both applicable for rules, libraries and plugins.