Contributing to Mosquitto

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Thank you for your interest in this project.

Project description:

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The Mosquitto project has been created to provide a light weight, open-source

implementation, of an MQTT broker to allow new, existing, and emerging

applications for Machine-to-Machine (M2M) and Internet of Things (IoT).

- <https://mosquitto.org/>

- <https://projects.eclipse.org/projects/iot.mosquitto>

Source

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The Mosquitto code is stored in a git repository.

- https://github.com/eclipse/mosquitto

You can contribute bugfixes and new features by sending pull requests through GitHub.

## Legal

In order for your contribution to be accepted, it must comply with the Eclipse

Foundation IP policy.

Please read the [Eclipse Foundation policy on accepting contributions via Git](http://wiki.eclipse.org/Development\_Resources/Contributing\_via\_Git).

1. Sign the [Eclipse ECA](http://www.eclipse.org/legal/ECA.php)

1. Register for an Eclipse Foundation User ID. You can register [here](https://accounts.eclipse.org/user/register).

2. Log into the [Accounts Portal](https://accounts.eclipse.org/), and click on the '[Eclipse Contributor Agreement](https://accounts.eclipse.org/user/eca)' link.

2. Go to your [account settings](https://accounts.eclipse.org/user/edit) and add your GitHub username to your account.

3. Make sure that you \_sign-off\_ your Git commits in the following format:

``` Signed-off-by: John Smith <johnsmith@nowhere.com> ``` This is usually at the bottom of the commit message. You can automate this by adding the '-s' flag when you make the commits. e.g. ```git commit -s -m "Adding a cool feature"```

4. Ensure that the email address that you make your commits with is the same one you used to sign up to the Eclipse Foundation website with.

## Contributing a change

1. [Fork the repository on GitHub](https://github.com/eclipse/mosquitto/fork)

2. Clone the forked repository onto your computer: ``` git clone

https://github.com/<your username>/mosquitto.git ```

3. If you are adding a new feature, then create a new branch from the latest

```develop``` branch with ```git checkout -b YOUR\_BRANCH\_NAME

origin/develop```

4. If you are fixing a bug, then create a new branch from the latest

```fixes``` branch with ```git checkout -b YOUR\_BRANCH\_NAME origin/fixes```

5. Make your changes

6. Ensure that all new and existing tests pass.

7. Commit the changes into the branch: ``` git commit -s ``` Make sure that

your commit message is meaningful and describes your changes correctly.

8. If you have a lot of commits for the change, squash them into a single / few

commits.

9. Push the changes in your branch to your forked repository.

10. Finally, go to

[https://github.com/eclipse/mosquitto](https://github.com/eclipse/mosquitto)

and create a pull request from your "YOUR\_BRANCH\_NAME" branch to the

```develop``` or ```fixes``` branch as appropriate to request review and

merge of the commits in your pushed branch.

What happens next depends on the content of the patch. If it is 100% authored

by the contributor and is less than 1000 lines (and meets the needs of the

project), then it can be pulled into the main repository. If not, more steps

are required. These are detailed in the

[legal process poster](http://www.eclipse.org/legal/EclipseLegalProcessPoster.pdf).

Contact:

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Contact the project developers via the project's development

[mailing list](https://dev.eclipse.org/mailman/listinfo/mosquitto-dev).

Search for bugs:

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This project uses [Github](https://github.com/eclipse/mosquitto/issues)

to track ongoing development and issues.

Create a new bug:

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Be sure to search for existing bugs before you create another one. Remember

that contributions are always welcome!

- [Create new Mosquitto bug](https://github.com/eclipse/mosquitto/issues)