# Contribution Guidelines

As an open-source project, we welcome and encourage the community to

submit patches directly to project HAXM. In our collaborative open

source environment, standards and methods for submitting changes help

reduce the chaos that can result from an active development community.

This document explains how to submit patches to the project so your

patch will be accepted quickly in the codebase.

## Licensing

Licensing is very important to open source projects. It helps ensure the

software continues to be available under the terms that the author

desired.

Project HAXM uses a BSD-3-Clause license, as found in the

[LICENSE](https://github.com/intel/haxm/blob/master/LICENSE)

in the project's GitHub repo.

A license tells you what rights you have as a developer, as provided by

the copyright holder. It is important that the contributor fully

understands the licensing rights and agrees to them. Sometimes the

copyright holder isn't the contributor, such as when the contributor is

doing work on behalf of a company.

## Developer Certification of Origin (DCO)

To make a good faith effort to ensure licensing criteria are met,

project HAXM requires the Developer Certificate of Origin (DCO) process

to be followed.

The DCO is an attestation attached to every contribution made by every

developer. In the commit message of the contribution (described more

fully later in this document), the developer simply adds a

``Signed-off-by`` statement and thereby agrees to the DCO.

When a developer submits a patch, it is a commitment that the

contributor has the right to submit the patch per the license. The DCO

agreement is shown below and at https://developercertificate.org.

```

Developer's Certificate of Origin 1.1

By making a contribution to this project, I certify that:

(a) The contribution was created in whole or in part by me and I

have the right to submit it under the open source license

indicated in the file; or

(b) The contribution is based upon previous work that, to the

best of my knowledge, is covered under an appropriate open

source license and I have the right under that license to

submit that work with modifications, whether created in whole

or in part by me, under the same open source license (unless

I am permitted to submit under a different license), as

indicated in the file; or

(c) The contribution was provided directly to me by some other

person who certified (a), (b) or (c) and I have not modified

it.

(d) I understand and agree that this project and the contribution

are public and that a record of the contribution (including

all personal information I submit with it, including my

sign-off) is maintained indefinitely and may be redistributed

consistent with this project or the open source license(s)

involved.

```

### DCO Sign-Off Methods

The DCO requires that a sign-off message, in the following format,

appears on each commit in the pull request:

`Signed-off-by: Haxmus Jones <haxmusj@example.com>`

You are required to use your real name in the sign-off message.

The DCO text can either be manually added to your commit body, or you can add

either ``-s`` or ``--signoff`` to your usual Git commit commands. If you forget

to add the sign-off you can also amend a previous commit with the sign-off by

running ``git commit --amend -s``. If you've pushed your changes to GitHub

already you'll need to force push your branch after this with ``git push -f``.

\*\*Note:\*\*

The name and email address of the account you use to submit your PR must

match the name and email address on the ``Signed-off-by`` line in

your commit message.