

# Development tools for committers

- [IDE subscription](#)
- [Commit style guide](#)
  - [First Line](#)
  - [Body](#)
  - [Additional info](#)
- [Mailing List email template](#)

## IDE subscription

[Jetbrains](#) provides an open source subscription [via Apache](#) or simply apply on their website at [Jetbrains OpenSource](#).

## Commit style guide

A commit or PR description is a public record of **what** change is being made and **why**.

Structure of the description

### First Line

1. A summary of what the changeset.
2. A complete sentence, crafted as though it was an order.
  - an imperative sentence
  - Writing the rest of the description as an imperative is optional.
3. Follow by an empty line.

### Body

It consists of the following.

1. A brief description of the problem solved.
2. Why this is the best approach?.
3. Shortcomings to the approach, if any (important!).

### Additional info

1. background information
  - bug/issue/jira numbers
  - benchmark/test results
  - links to design documents
  - code attributions
2. Include enough context for
  - reviewers
  - future readers to understand the Changes.
3. Add PR number, like `Closes #1000`.

<https://github.com/apache/systemds/blob/master/CONTRIBUTING.md#commit-style>

## Mailing List email template

tags used in email subject: DISCUSS, QUESTION, VOTE, ANNOUNCE

---

To: `dev@systemds.apache.org`

Subject: [DISCUSS][SYSTEMDS-2974] Using SystemDS with Docker

Hi all,

We already have docker support for testing, the same files can be utilized for a public image (with CPU, GPU and Jupyter).

Use cases:

1. Invoke dml or python scripts right inside container
2. Prototype algorithm/pipelines without the burden of individual component installation.
3. Working with GPU (only Linux supported)

Anyone would want to volunteer for the implementation of the same, the intended docker support is documented at [1].

How to implement:

1. Build image tags for release channels (latest, v1.2.0, dev).
2. For GPU follow the instructions in [1]. Can be implemented later.

[1] <https://github.com/apache/systemds/pull/1271>

Thank you,

#### Example emails

[http://mail-archives.apache.org/mod\\_mbox/systemds-dev/202101.mbox/%3C47c71840-856c-df70-20e3-aac659fc5aee%40student.tugraz.at%3E](http://mail-archives.apache.org/mod_mbox/systemds-dev/202101.mbox/%3C47c71840-856c-df70-20e3-aac659fc5aee%40student.tugraz.at%3E)

[http://mail-archives.apache.org/mod\\_mbox/systemds-dev/202105.mbox/%3CCAObMueUEf4JMeuzUhU0G%3DansUFojH6gXGNaxg1t5fwffW6iZRw%40mail.gmail.com%3E](http://mail-archives.apache.org/mod_mbox/systemds-dev/202105.mbox/%3CCAObMueUEf4JMeuzUhU0G%3DansUFojH6gXGNaxg1t5fwffW6iZRw%40mail.gmail.com%3E)