

Best practices

Software development

The following guidelines apply to all the git repositories of the [MuonColliderSoft](#) project

Dealing with git

It's strongly recommended for a developer to:

- create one or more personal branches for any kind of purpose
- issue a Pull-Request from the personal branch into the **master** one whenever a set of changes needs to be merged
- avoid using **master** branch directly, even for small fixes

In general there're no restrictions on the master branch for a git repository, so in case it is possible for every developer of the group to push directly a change on it.

The master branch is the only one suitable for tagging a release; any reference to **mc** branches must be considered obsolete.

If it's necessary to pull some changes from the original git repository, for example one of the [iLCSoft](#) components, the procedure consists on:

- creating a temporary branch
- pulling the changes and fixing any conflicts in the temporary branch
- issuing a pull request to the **main** branch