

CFM Software Carpentry Tracks - 2017-10-03 - Introduction to Version Control with Git

Date & place: Materials Physics Center (CFM) Computer Room - San Sebastian, 3rd October, 9:30-13:30 2017

Track: Introduction to Version Control with Git

Material: <http://iamc.eu/cfmsctracks-20171003-git-novice/>

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Abstract

This will be an introductory lesson to [version control](#) using the widespread distributed version control system [Git](#). We will learn enough to use Git to control our files in a day-to-day workflow, and we'll also take a look at [Github](#) web service and play around a bit with it.

Version control is a system that records changes to a file or set of files over time so that you can recall specific versions later. It allows us to do things as jumping to any moment in a file past history, tracking changes and see differences between any two moments on time, long-term undo, seamlessly collaborate with other people, and many others we'll see...

We will cover topics as:

- Setting up Git and creating a local repository
- Tracking changes and exploring history
- Remotes in Github
- Collaborating with other people
- Resolving conflicts

The participants are encouraged to follow the lesson typing along in their laptops, even though we will have computers available in the computing room. You can follow this [installation instructions](#), ignoring the last Python part if you want.

Note

We will do some collaborative work using Github. In order to follow this part of the lesson you'll need a Github account, so please [create one](#). You can always remove it later if you want so.

Targeted audience: scientific and technical people interested having a control over the evolution and history of changes of files and projects they work on, as well as to collaborate with others on a shared repository.

Content level: beginner

Audience prerequisites: minimal command line usage.

Lesson material and License

You can find the lesson we will be following in <http://iamc.eu/cfmsctracks-20171003-git-novice/>.

This material is forked from "An introduction to version control for novices using Git" [Software Carpentry](#) lesson. You can always find the last version of this material at <https://swcarpentry.github.io/git-novice/>

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