UNIVERSITÉ DU LUXEMBOURG

How to Submit Laboratory

Parallel Computing

Goals

- ✯ Learn how to submit a laboratory (or, why make it easy when we can make it complicated :-)).
- ✯ **Relevant videos**:
  - How to submit a laboratory.
    (video initially made for another course, but the workflow is the same).

Deliverables

1. The code on your Github repository generated by clicking here: `https://classroom.github.com/a/yr-8Xsq8`
2. **Reviewer:** Pierre Talbot (ptal on Github)

Exercise 1 – Configuring Git

1. We are now going to clone the Github repository in order to upload the exercises online (and much more!). A first step is to configure SSH (it is a secure way to connect your computer to Github). With the little we already learnt about bash, you should be able to follow this tutorial: `https://docs.github.com/en/authentication/connecting-to-github-with-ssh`.
2. Now that we have SSH ready, we can clone the Github repository of this lab:
   - Generate your Github repository for this lab by clicking here: `https://classroom.github.com/a/yr-8Xsq8`
   - On the Github webpage, accept the assignment, wait a few seconds and refresh the page, click on the link that just appeared.
   - You are now on the webpage of the newly created git repository, and we want to "download" this repository onto our computer (in Git term, this operation is called *cloning*).
   - Use the SSH authentication mode to clone the git repository using `git clone <PUT YOUR LINK HERE> how_to_submit` where your link is obtained by clicking on "Code" in the Github interface, ssh tab, and should have the form `git@github.com:uni-lu/how-to-submit-laboratory-ptal.git` for instance.
   - You can enter the cloned repository using `cd hacking_in_bash` and check what is inside using the commands we just learnt.

Exercise 2 – Learning Git

Git is a powerful tool but takes a little bit of time to master. Follow the tutorial `https://githowto.com/setup` or, alternatively, play the "game" *Oh My Git!* (`https://ohmygit.org/`). You need to learn, *at least*, how to commit, push, pull.

Exercise 3 – How to submit a laboratory

Now that you (almost) master Git, it is time to put your skills to the test. This is the procedure to submit all laboratories of parallel computing! If you mess up, we will not be able to review your code :-(So be serious about it!

1. Go to the git repository of this laboratory.
2. Open the file `README.md` of the current repository[1] and write, in one sentence, what you think parallel computing is (no wrong answer).
3. Push the file, use `git status` to make sure you "committed" everything.
4. In the Github interface, on the page of your repository, go to the "Pull Requests" tab. There, on the right side, you should be able to click a (rather small) button "request review" next to the reviewer name.

Reviews take time, so make sure you have carefully checked your laboratories before submitting to avoid multiple roundtrips between reviewers and you.

[1] This file is a Markdown file, you can check its format at `https://docs.github.com/en/github/writing-on-github/getting-started-with-writing-and-formatting-on-github/basic-writing-and-formatting-syntax`