Modern C++: the toolchain

202x

What we need

- Alongside the lessons we shall present some exercises, so we need an environment where to:
    - Edit, compile, run a visual debugger

- Also, we want the students to be able to run the exercises by their own without too much pain.

- Finally, we want the students to be able to complete a programming assignment stored on a repository.

The exercises

- The exercises will be on a GitHub repository

- We use *Cmake*, so we can have many build systems

- We can fork the repo and:

  - use our desired toolchain on the environment of choice, or

  - use Visual Studio Code in a Linux environment, or

  - use *gitpod* to run an online environment with a ready toolchain.

The assigment

- The assignment is in a GitHub repository

- At a given moment each student will receive a link able to create a personal fork of the repository.

- The repo contains the assignment which will ask:
    - To develop a piece of code able to compile and run properly;
    - To document the work using Markdown.

- The exercises contain examples with all the technologies required to execute the project.

And now ..

Hands on the toolchain