



Modern C++: the toolchain

2023

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 ... we can use gitpod to run an online environment with a ready toolchain.
- Examples are in the exercises.

The assignment

- 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

