

Installing Jenkins

Jenkins is a open source software tool that is used to automate repetitive tasks, such as building and testing software projects. It is often used as a continuous integration and continuous delivery tool, allowing developers to automatically build, test, and deploy their code. In this role, Jenkins acts as an orchestrator, managing the different steps in the software development process and coordinating the work of different tools and processes. This can help to reduce the time and effort required to develop and release high-quality software, and improve the overall efficiency of the software development process.

First start by installing Jenkins. [You need to have Java installed on your machine first.](#)

Then you can install Jenkins. There are a number of options to run Jenkins, quikest of which would be to run it from a Docker image. But, to avoid any complications later, we will install it as follows:

- On Mac: use brew as instructed [here](#)
- On Windows, download and install the .msi file [from here](#)
- On linux, use the instructions [here](#)

After you launch Jenkins, open it in your browser: <http://localhost:8080>. it will ask you to get the password from the "initialAdminPassword" file. You can type in your command prompt/terminal: `cat path/specified/in/jenkins/initialAdminPassword` and there you will see the passwr.

Then, install the recommended plugins. These are tools that we will need later on, like git.

Create an account for yourself, and we are ready to proceed.