

let us explain how Jenkins starts building your software project and how to set up a distributed build system — in simple and detailed language.

What is Jenkins?


Jenkins is a popular open-source automation tool used for:

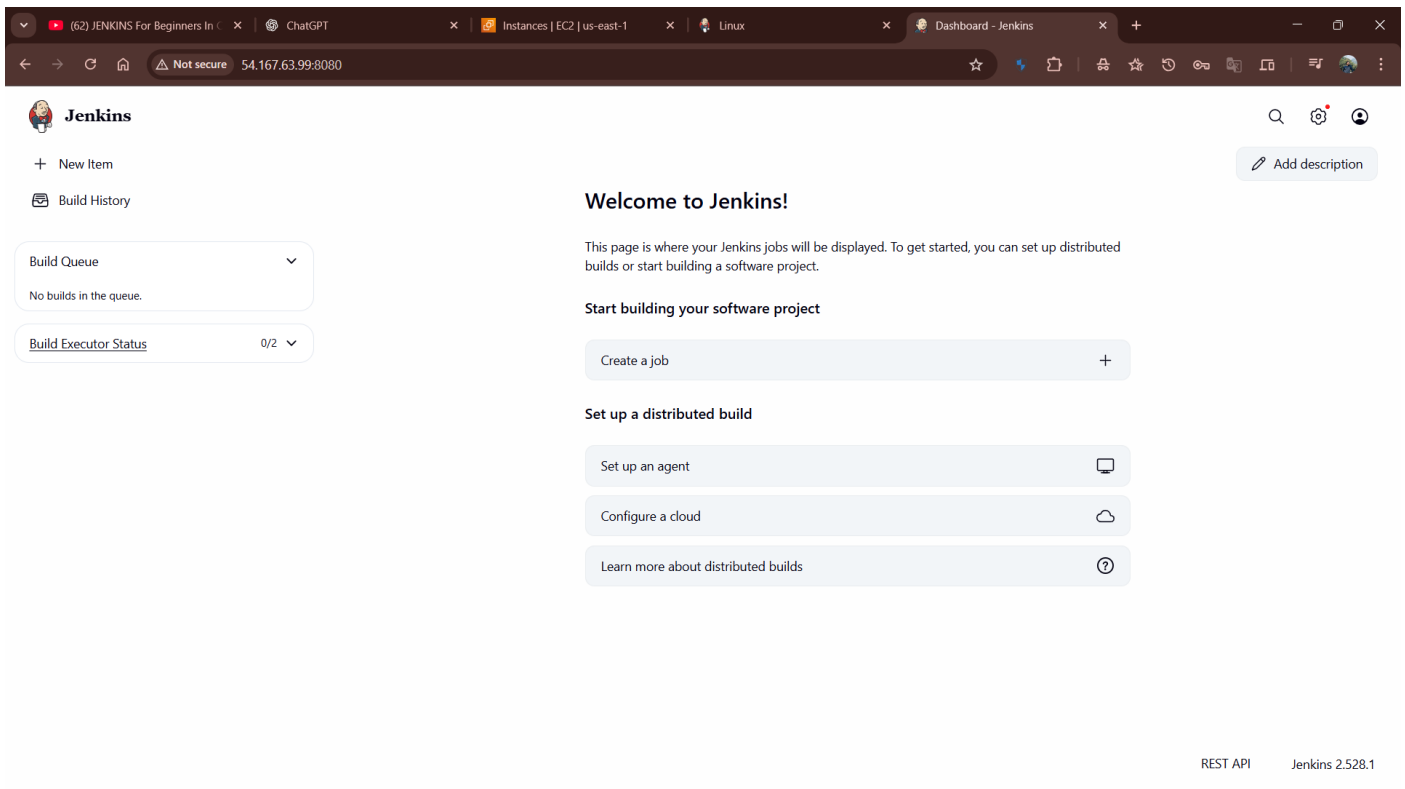
- Building software (compiling code)
- Testing (running automated tests)
- Deploying (sending your app to servers)
- Automating DevOps tasks (CI/CD pipelines)

Step 1: Start Building Your Software Project in Jenkins

Let's understand how you go from installing Jenkins to running your first build.

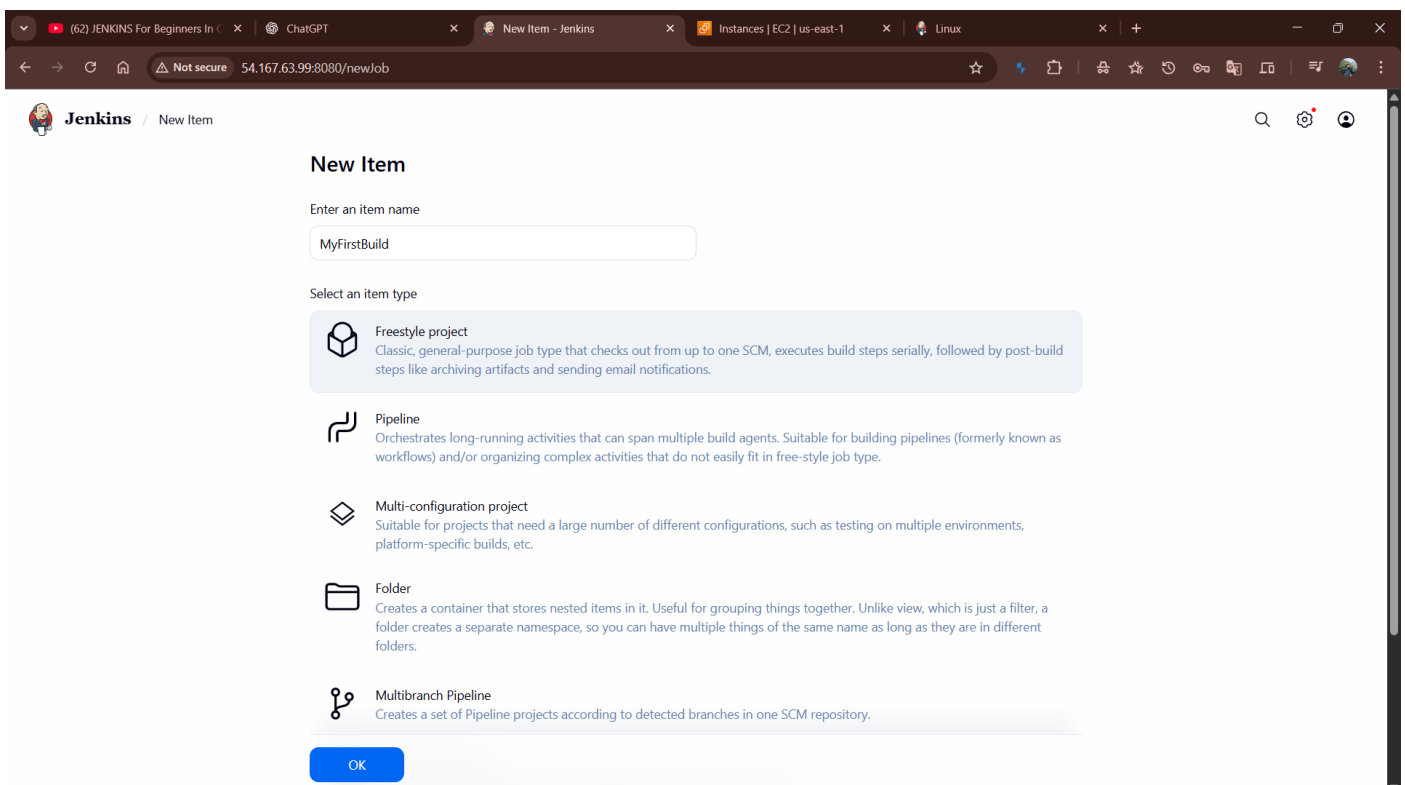
1 Open Jenkins Dashboard

- After installing Jenkins, open it in your browser:
 <http://localhost:8080>
- Log in with your admin credentials.



2 Create a New Job / Project

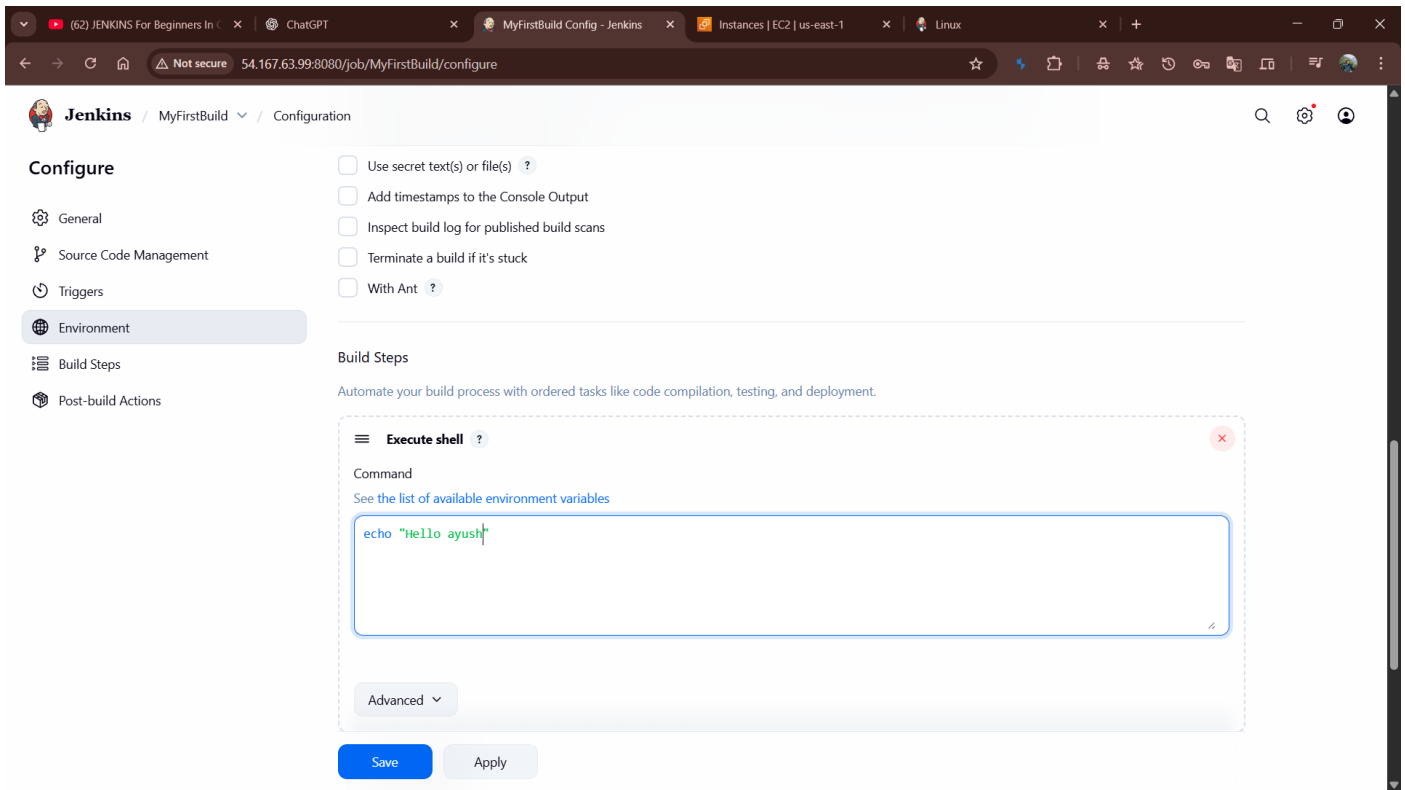
1. Click on **“New Item”** (or **“New Job”**) on the Jenkins dashboard.
2. Enter a **project name** (for example: MyFirstBuild).
3. Select **“Freestyle project”** → Click **OK**.



3 Configure Source Code

In the project configuration:

- Go to the **Build Steps** section.
- Add build Steps



4 Save and Run the Build

- Click **Save**
- On the left menu, click **“Build Now”**
- Jenkins will start the build → you’ll see a progress bar.
- Click on the build number (e.g., #1) → Check **Console Output** to see the result.

✓ If successful, you’ll see:

Finished: SUCCESS

