

# Setting Up

## Dependencies

In this guide we'll be using docker and nodejs and whatever else I come up with .

Installing Dependencies \* Ubuntu/Debian \* MacOS

Install docker from: <https://docs.docker.com/engine/install/ubuntu/>

Install nodejs from nodesource: (other options are also okay)

```
curl -fsSL https://deb.nodesource.com/setup_20.x | sudo -E bash - && \ sudo apt-get install -y nodejs
```

Install git, make and node through Homebrew:

```
brew install git make && brew install node
```

## Installation

### Start From a Template

First, let's clone our template project. Go to our [hardhat template repository](#) and click "use this template". Choose your new project name and set up a repository.

Help, I can't find the button! Now clone your new repository, or open a cloud-based environment such as Github Workspaces.

```
git clone https://github.com/your/repository.git
```

Change directory into the repository and install the project dependencies

- npm
- yarn
- pnpm

```
npm install yarn install pnpm install
```

### I'm more of a Free Spirit

Alternative set up paths can be just cloning or forking the example repository, or starting from scratch using our [phenix hardhat plugin](#), [Gitpod environment](#) or Github Workspaces

## Starting LocalFhenix

```
npm run hardhat localfhenix:start
```

You should see input similar to the following:

```
fhenix-hardhat-example@1.0.0 localfhenix:start hardhat localfhenix:start
```

Downloading docker image ghcr.io/fhenixprotocol/localfhenix:v0.1.0-beta5... Wait about a minute for the image to finish downloading, after which you should see a success message:

Downloading docker image ghcr.io/fhenixprotocol/localfhenix:v0.1.0-beta5... done! Started LocalFhenix successfully at 127.0.0.1:42069 And now we have a fhenix blockchain environment running locally! Now we have everything ready, and we can move to coding :)

note If you want to make sure the container is running, you can use `docker ps` to see the container, available ports, etc [Edit this page](#)

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