# Hardhat

## Prerequisites

- [Docker](#)
- [pnpm](#)

## Clone Hardhat Template

We provide a hardhat template available that comes "batteries included", with everything you need to hit the ground running. The template is [available here](#) . You can create a new repository, or clone it locally:

git clone https://github.com/fhenixprotocol/fhenix-hardhat-example You'll also probably want to set an .env file with your mnemonics:

cp .env.example .env

## Install Dependencies

Once you've cloned the repository, you can install the dependencies with pnpm:

pnpm install

### Start LocalFhenix

LocalFhenix is a complete Fhenix local testnet and ecosystem containerized with Docker. It simplifies the way contract developers test their contracts in a sandbox before they deploy them on a testnet or mainnet - similar to Ganache, or other local network environments.

To start a LocalFhenix instance, run the following command:

pnpm localfhenix:start This will start a LocalFhenix instance in a docker container, managed by thefhenix-hardhat-docker plugin for Hardhat. If this worked you should see aLocalFhenix started message in your console.

You've now officially created a LocalFhenix testnet.

After you're done, you can stop the LocalFhenix instance with:

pnpm localfhenix:stop

### Deploy the contracts

To deploy the contracts to LocalFhenix, run the following command:

pnpm hardhat deploy This will compile the contracts in thecontracts directory and deploy them to the LocalFhenix network.

(note: if you want to deploy to a different network, you can specify the network with the--network flag)

### Tasks

We've included a few tasks in thetasks directory to help you get started. You can run them with thepnpm task command.

pnpm task:getCount # => 0 pnpm task:addCount pnpm task:getCount # => 1 pnpm task:addCount --amount 5 pnpm task:getCount # => 6 [Edit this page](#)