

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 the fhenix-hardhat-docker plugin for Hardhat. If this worked you should see a LocalFhenix 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 the contracts 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 the tasks directory to help you get started. You can run them with the pnpm task command.

```
pnpm task:getCount # => 0
pnpm task:addCount
pnpm task:getCount # => 1
pnpm task:addCount --amount 5
pnpm task:getCount # => 6
```

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