

Hardhat

安装

- 空文件夹，运行npm init
- npm install --save-dev hardhat
- 创建Hardhat项目：npx hardhat

编译合约

npx hardhat compile

测试合约 (test文件夹)

npx hardhat test test/Lock.ts

文件详解

import { loadFixture } from "@nomicfoundation/hardhat-network-helpers";

- await loadFixture(函数名);
- 避免代码重复并提高测试性能，仅在第一次调用时运行

import { expect } from "chai";

- chai 断言库
- it("Should", async function () { expect(); });

import { ethers } from "hardhat";

hardhat本地测试的一个ether.js库

expect

- 比较：expect(a).to.equal(b);
- 抛出异常：await expect().to.be.revertedWith("");

部署合约 (scripts文件夹)

npx hardhat run scripts/deploy.ts

```
const Lock = await ethers.getContractFactory("Lock");
const lock = await Lock.deployTime, { value: Amount });
await lock.deployed();
```

运行Hardhat网络

- npx hardhat node
- npx hardhat run scripts/deploy.ts --network localhost

ether.js交互GOERLI链