

# Shift to Local Fhenix Guide

If the current version of the test network is down for whatever reason, this is how you can continue working on your project without needing to connect. Please follow these instructions on how to set up. **Once you have the correct endpoint everything will work the same way so you can use localfhenix with every utility.**

1. Before beginning the process please make sure that you have docker installed and running on your local machine. For example here is how you can download the GUI on Mac: <https://www.docker.com/products/docker-desktop/>
2. Next please follow the steps for setting up local Fhenix via our HardHat plugin. <https://docs.fhenix.zone/docs/devdocs/Setting%20Up%20Your%20Environment/Hardhat>
3. Once you want to begin testing your application in your browser please add the local network to your MetaMask.
  - a. Run this command if you need to get the chainId: `curl -X POST http://127.0.0.1:42069 \ -H "Content-Type: application/json" \ --data '{"jsonrpc":"2.0","method":"eth_chainId","params":[],"id":1}'`
  - b. Otherwise use this ChainId: 412346

**Network name**

fhenix-local

**New RPC URL**

http://127.0.0.1:42069

**Chain ID** ⓘ

412346

This Chain ID is currently used by the Fhenix Frontier network.

**Currency symbol**

FHE

Ticker symbol verification data is currently unavailable, make sure that the symbol you have entered is correct. It will impact the conversion rates that you see for this network

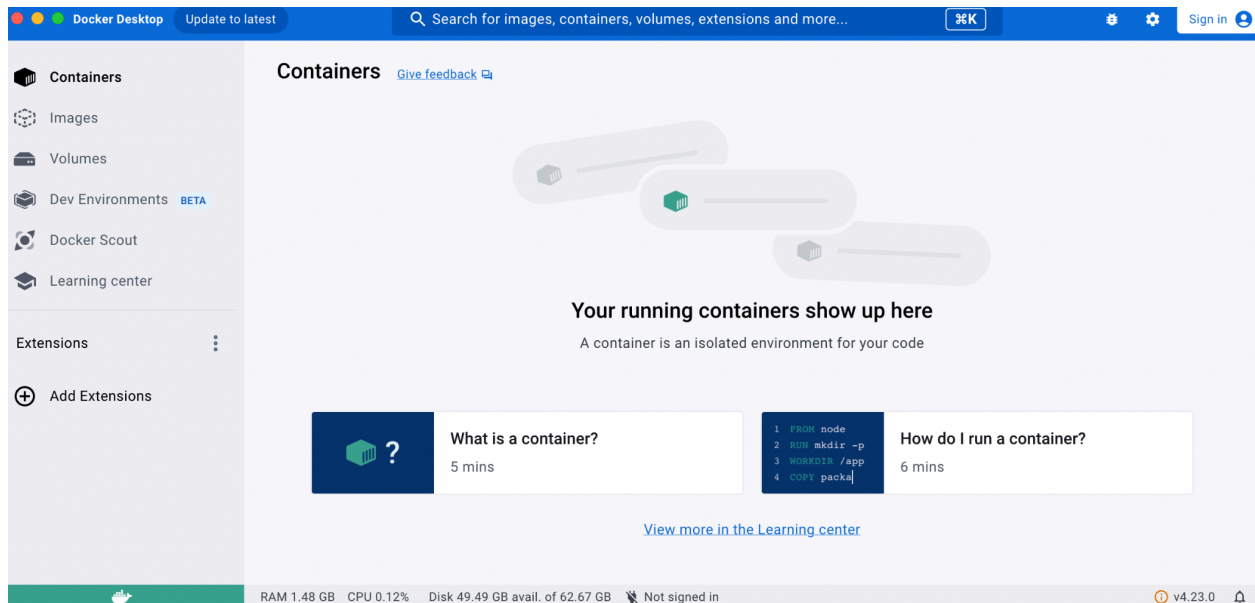
**Block explorer URL** (Optional)

4. Next import this address into your local Metamask via private key:  
`0xb6b15c8cb491557369f3c7d2c287b053eb229daa9c22138887752191c9520659`
5. You can also use the getFunds method to request gas to any wallet.
  - a. `await hre.fhenixjs.getFunds("your_wallet_address");`

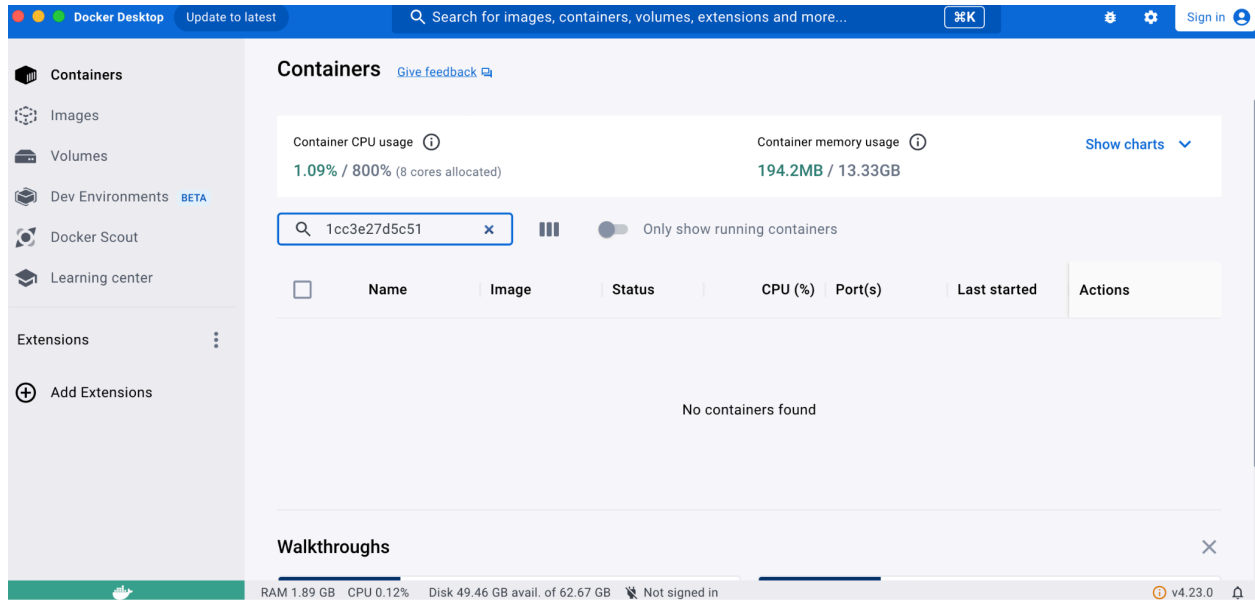
6. Once you run `pnpm hardhat deploy` - you should be able to see you FHE balance on the funded account, from here transfer it your testing account or just spend from here.

## Docker Help Example:

1. Here is what it will look like on your desktop when you open the GUI



2. Once you successfully run the `localfhenix:start` command, this is what you should see one the container is running locally.



3. Once you see this, you should be good to start running deployments and tests.

```
> hardhat localphenix:start

Downloading docker image ghcr.io/fhenixprotocol/localphenix:v0.2.4...
done!
Started LocalFhenix successfully at 127.0.0.1:42069
kylakrishna@Kyles-MBP: fhenix-hardhat-example % npm run localphenix:stop
```

#### FAQ/Notes:

- Certain utilities may be difficult to test, such as cross chain interactions with other live test networks.