

Verify Smart Contract using Hardhat

Verifying a smart contract allows developers to review your code from within the CeloScan Block Explorer

tip If you use [Celo Composer](#) all the configuration is done for you out of the box, all you need is the CeloScan API keys!

Prerequisites

Before the installation steps you need to have your hardhat project initialized using the command

`npm install hardhat` Make sure to have dependencies installed and the hardhat config file is importing `@nomicfoundation/hardhat-toolbox`

Hardhat Configuration

Add the following configuration to the `config` object in `hardhat.config.js`.

`networks :`

`{ alfajores :`

`{ // can be replaced with the RPC url of your choice. url :`

`"https://alfajores-forno.celo-testnet.org" , accounts :`

`[""] , } , celo :`

`{ url :`

`"https://forno.celo.org" , accounts :`

`[""] , } } , etherscan :`

`{ apiKey :`

`{ alfajores :`

`"" , celo :`

`"" } , customChains :`

`[{ network :`

`"alfajores" , chainId :`

`44787 , urls :`

`{ apiURL :`

`"https://api-alfajores.celoscan.io/api" , browserURL :`

`"https://alfajores.celoscan.io" , } , } , { network :`

`"celo" , chainId :`

`42220 , urls :`

`{ apiURL :`

`"https://api.celoscan.io/api" , browserURL :`

`"https://celoscan.io/" , } , } ,] } ,`

Verifying Contracts

Use the following command (Make sure your contracts are compiled before verification)

Alfajores Testnet

`npm run hardhat verify [CONTRACT_ADDRESS]`

```
[ .. .CONSTRUCTOR_ARGS ]
```

```
--network alfajores Celo Mainnet
```

```
npx hardhat verify [ CONTRACT_ADDRESS ]
```

```
[ CONSTRUCTOR_ARGS ]
```

```
--network celo Edit this page Previous Verify with Remix Next Build on MiniPay
```