

Truffle Box for Angular

This Truffle Box provides a base for working with the Truffle Framework and Angular. It provides a basic working example of the MetaCoin contracts with Angular components. This project is generated with [Angular CLI](#).

Prerequisites

In order to run the Truffle box, you will need [Node.js](#) (tested with version 10.x.y). This will include `npm`, needed to install dependencies. In order to install these dependencies, you will also need [Python](#) (version 2.7.x) and [git](#). You will also need the [MetaMask](#) plugin for Chrome.

Building

1. Install truffle, Angular CLI and an Ethereum client. If you don't have a test environment, we recommend ganache-cli
2. `npm`
3. `install`
4. `-g`
5. `truffle`
6. `npm`
7. `install`
8. `-g`
9. `@angular/cli`
10. `npm`
11. `install`
12. `-g`
13. `ganache-cli`
14. Download the box.
15. `truffle`
16. `unbox`
17. `Quintor/angular-truffle-box`
18. Run your Ethereum client. For Ganache CLI:
19. `ganache-cli`
20. Note the mnemonic 12-word phrase printed on startup, you will need it later.
21. Compile and migrate your contracts.
22. `truffle`
23. `compile`
24. `&&`
25. `truffle`
26. `migrate`

Configuration

1. In order to connect with the Ethereum network, you will need to configure MetaMask
2. Log into the `ganache-cli`
3. test accounts in MetaMask, using the 12-word phrase printed earlier. 1. A detailed explanation of how to do this can be found [here](#)
4.
 1. Normally, the available test accounts will change whenever you restart `ganache-cli`
5.
 1. .
6.
 1. In order to receive the same test accounts every time you start `ganache-cli`
7.
 1. , start it with a seed like this: `ganache-cli --seed 0`
8.
 1. `ganache-cli -m "put your mnemonic phrase here needs twelve words to work with MetaMask"`
9. Point MetaMask to `ganache-cli`
10. by connecting to the network `localhost:8545`

Running

1. Run the app using Angular CLI:
2. npm
3. start
4. The app is now served on localhost:4200
5. Making sure you have configured MetaMask, visit <http://localhost:4200> in your browser.
6. Send MetaCoins!

Testing

1. Running the Angular component tests:
2. ng
3. test
4. Running the Truffle tests:
5. truffle
6. test
7. Running Protactor end-to-end tests

ng e2e

Releasing

Using the Angular CLI you can build a distributable of your app. Will be placed in dist/

ng build

FAQ

- Where can I find more documentation?

This Truffle box is a union of [Truffle](#) and an Angular setup created with [Angular CLI](#). For solidity compilation and Ethereum related issues, try the [Truffle documentation](#). For Angular CLI and typescript issues, refer to the [Angular CLI documentation](#)

- Common errors and their solutions

Error Solution Module not found: Error: Can't resolve '.././.././build/contracts/MetaCoin.json' duringng serve Runtruffle compile Error: the tx doesn't have the correct nonce. in MetaMask Reset MetaMask: Settings -> Reset Account Error getting balance; see log. in UI, withError: MetaCoin has not been deployed to detected network (network/artifact mismatch) in browser console Ensure you have started ganache, runtruffle migrate and configured MetaMask to point to ganache * How do I get this to work on Windows?

Possible issues:

- If you're missing a C++ compiler, run `npm install --global --production windows-build-tools`
- in a cmd with administrative rights.
- If the `truffle.js`
- file opens when you're trying to run truffle commands, rename the file to `truffle-config.js`