ThunderCore Truffle Box¶

The box has all you need to get started with building dapps on ThunderCore .

Installation¶

First ensure you are in a new and empty directory. Besides, you have nodejs and yarn (optional) in your environment.

1. Run the unbox command via npx and skip to step 3.

npx truffle unbox thundercore/thunder-box 1. Alternatively, you can install Truffle globally and run the unbox command. Make sure you have truffle v 5.0.0 above.

npm install -g truffle

(yarn global add truffle)

truffle unbox thundercore/thunder-box 1. Run the development console.

truffle develop 1. Compile and migrate the smart contracts. Note inside the development console we don't preface commands with truffle 2. .

compile migrate 1. Alternatively, you can run the following instructions to compile and migrate the smart contracts.

npm run compile

(yarn comile)

npm run migrate

(yarn migrate)

1. clean up builded contracts

npm clean

(yarn clean)

1. lint your contract. More detail regarding the linter can be found here

npm run lint npm run lint:fix

Develop on Thunder Testnet and Mainnet¶

1. Get the thunder tokens
2. You can get Thunder tokens at:
3.
    - https://faucet-testnet.thundercore.com
4.
    - https://faucet.thundercore.com
5. for testnet and mainnet, respectively.
6. Remember to point Metamask's current network to thunder-mainnet (https://mainnet-rpc.thundercore.com) or thunder-testnet (https://testnet-rpc.thundercore.com/) after creating those two networks via Avatar -> Settings -> Networks .
7. Setup the control of accounts for deployment Either:
8.
    - Write your 12-word mnemonic (seed phrase) to a file named .mnemonic
9.
    - Export your account private keys, one per line, to a file named .private-keys

10. # If you use private keys

11. mv
12. .private-keys.template
13. .private-keys# in .private-keys file, put your private keys
14. e59cb5e369b65eee650f90f3280cbe8039db81335943ac7a88df5f4df...
15. d92a96fa691a7c31b2e2891de05cacc85d562b128afa6bb8f7108aac7...# If you prefer mnemonic
16. mv
17. .mnemonic.template
18. .mnemonic# In .mnemonic file, put your mnemonic
19. dog
20. cat
21. apple
22. bird
23. ...
24. Compile and migrate your contract for testnet and mainnet

25. # Compile to testnet

26. npm
27. run
28. compile:testnet# is equal to
29. truffle
30. compile
31. --network
32. thunder-testnet# ---

33. # Compile to mainnet

34. npm
35. run
36. compile:mainnet# is equal to
37. truffle
38. compile
39. --network
40. thunder-mainnet# ---

41. # Migrate to testnet

42. npm
43. run
44. migrate:testnet# is equal to
45. truffle
46. migrate
47. --network
48. thunder-testnet# ---

49. # Migrate to mainnet

50. npm
51. run
52. migrate:mainnet# is equal to
53. truffle
54. migrate
55. --network
56. thunder-mainnet