

DApp

2017/09/27 冀謙

Decentralized Application

Fronted + Contracts

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Truffle + testRPC

Before Starting

Preinstall nodejs v5 - v6

install

sudo npm install -g ethereumjs-testrpc

sudo npm install -g truffle

Run testRPC

testrpc

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testrpc

```
ChiChien — root@ChienVPS: ~ — ssh root@dev.gcclab.cc — 80x23
root@ChienVPS:~# testrpc
EthereumJS TestRPC v4.1.3 (ganache-core: 1.1.3)

Available Accounts
=====
(0) 0x88f4d3e8948653e226a4967532ba55bc34d1f211
(1) 0x4b374ddd241039c7fe328cda52345538256f626c
(2) 0x222cda671b8455efe97fd2e56ef7a775b4f0ebdd
(3) 0x433ab014e646849375a2654b8d9efc536142885d
(4) 0x31ce0b180387a45b84648fe564bd7af4cf63ebff
(5) 0x1e7ff2dd8df3982cc9922e3ea289cfaf64ae9c9d
(6) 0x355c0e87bcfcf71ef4f0810e78d871dab57920d6
(7) 0xd4a0d5dfca2624514846a5122fd84a6e07908e4f
(8) 0x032a71c3b16ad267c9e2471831b8287e154ee693
(9) 0xb580d1051c7d15c4ed5448b0a34a0e715a100c22

Private Keys
=====
(0) 580ed7a2bb929d74c0e34e66be183189d363395d9b2647c39b24cebca1c0d125
(1) 7f971f158182bf84f8573a3309f1ed4a671b79a2a115a8f27b35349e8bf7d033
(2) fbfa8a4b14c0bc8324e285f03fc4e8d35f87a4e648a2674923f167253814165
(3) d5a59411c4ae781d94d6bd76da7dcd9f9ca4991de10a275628112fb18d78f644
(4) d5753ab3010df7c8027f1922b9d75a47f40ef231f2c02ae4e1fe976a96fd155b
```

Start New Truffle Project

truffle init

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truffle init

```
ChiChien — root@ChienVPS: ~/trutest — ssh root@dev.gcclab.cc — 80x23
=====
Mnemonic:      few lake royal vacant utility dose insane van chicken
zero
Base HD Path:  m/44'/60'/0'/0/{account_index}



Listening on localhost:8545
^Croot@ChienVPS:~# cd trutest
-bash: cd: trutest: No such file or directory
root@ChienVPS:~# mkdir trutest
root@ChienVPS:~# cd trutest/
root@ChienVPS:~/trutest# truffle init
Downloading project...
Project initialized.

Documentation: http://truffleframework.com/docs

Commands:

Compile: truffle compile
Migrate: truffle migrate
Test:    truffle test

root@ChienVPS:~/trutest# █
```


- config
- ▾ contracts
 - ≡ Migrations.sol
 - ≡ SimpleStorage.sol
- ▾ migrations
 - JS 1_initial_migration.js
 - JS 2_deploy_contracts.js
- node_modules
- public
- scripts
- src
- ▾ test
 - JS simplestorage.js
 - ≡ TestSimpleStorage.sol
-  box-img-lg.png
-  box-img-sm.png
- { } package.json
- JS truffle-config.js
- JS truffle.js

Start New Boxes

truffle unbox react-box

Compile

truffle compile

Build

truffle migration

Test test code

truffle test

Run Page

npm run start



Pushing the button every 108 minutes

Title:

Save times: 0

The world will be destroyed at: 3096165 block

Block is ticking: 43182





MetaMask Notification

CONFIRM TRANSACTION

 Kovan
Test Net

Account 1
4a2D77...e559
0.752714 ETH
205.42 USD



B46c8a...caE3

Amount

0 ETH
0.00 USD

Gas Limit

UNITS

Gas Price

GWEI

Max Transaction Fee

0.002109 ETH
0.58 USD

Max Total

0.002109 ETH
0.58 USD

Data included: 4 bytes

RESET

SUBMIT

REJECT