

CITA-Truffle-Box

English [简体中文](#)

CITA-Truffle-Box is based on [truffle-box](#) to develop and used for developing DApps on CITA. Please refer to [our document](#) for more details about CITA.

Notice: This project rewrite truffle migrate part of [truffle-box](#), please read truffle-tutorial first, especially [RUNNING MIGRATIONS](#) part.

Installation

1. Install Truffle globally

To use CITA-Truffle-Box, please install truffle.

```
yarn global add truffle
```

1. Download

```
git clone https://github.com/cryptape/cita-truffle-box.git
```

```
cd cita-truffle-box/ rm -rf .git yarn install
```

Configuration

You can configure your box in `truffle.js`.

The configure options are shown below.

```
module . exports
```

```
=
```

```
{
```

```
  networks :
```

```
  {
```

```
    development :
```

```
    {
```

```
      host :
```

```
      'ip_address' ,
```

```
      // eg. '121.196.200.225'
```

```
      port :
```

```
      'port' ,
```

```
      // eg. 1337
```

```
      network_id :
```

```
      '**' ,
```

```
      // Use '**' to match any network id
```

```
    privateKey :
```

```
    'private key' ,
```

```
    // a string, required
```

```
    // the following parameters are OPTIONAL
```

```
    // validUntilBlock: 999999, // an int, default to (current block number)+88
```

```
// nonce: '999', // a string, default to random int
// quota: 999999, // an int, default to 999999
},
// you can add other network after here
}, }
```

networks¶

You must use 'development' as the key for now.

- host
- [required]
- Specify the host ip_address, don't add protocol name.
- port
- [required]
- Specify the host port.
- network_id
- [required]
- In order to be compatible with truffle, you have to set this attribute, but it's meaningless here.
- privateKey
- [required]
- Your private key for sending transaction.
- nonce
- [optional]
- Nonce is a string used to prevent double-spending, default to be a random number from 1 ~ 100. Note that the type of nonce
- is string.
- quota
- [optional]
- Similar to gas in ethereum, default value is 99999.
- validUntilBlock
- [optional]
- Similar to timeout, default to be current block height + 88

Compile¶

Compile the smart contract.

```
truffle compile
```

Migration¶

First, add your migration scripts in/migration , for the details, please refer [RUNNING MIGRATIONS](#) for more details.

Input the command to do migration. (Note that we canNOT use truffle migrate command here...)

```
yarn migrate
```