
KAIZEN Documentation

Release 0.1

Phyrex Tsai

Apr 29, 2020

Contents:

1	Introduction	1
2	KAIZEN CLI	3
2.1	kaizen add <package>	3
2.2	kaizen remove <package>	3
2.3	kaizen set-ipfs --host <host> --port <port> --protocol <protocol> ..	3
2.4	\$ kaizen set-ethereum --network <network id> --port <port> --provider <provider>	4
2.5	\$ kaizen set-nkn --identifier <identifier> --private-key <private key> --rpc-server <seed RPC server address>	4
2.6	\$ kaizen ipfs upload <file directory path>	4
2.7	\$ kaizen test contracts	4
2.8	\$ kaizen compile contracts	4
2.9	\$ kaizen deploy contracts	4
3	Indices and tables	5

CHAPTER 1

Introduction

Kaizen is an one stop solution for dapp and dweb developer. With Kaizen, you get:

- Built-in smart contract compilation, linking, deployment and management.
- Automated code testing with Mocha and Chai.
- Configurable with support technologies for custom build processes.

2.1 `kaizen add <package>`

To install KAIZEN package e.g. bluzelle, nkn or boilerplate

Parameters:

name - optional, specify the project name when execute *kaizen add boilerplate*

library - optional, specify the library want to include react or vue, when execute **kaizen add boilerplate*.

2.2 `kaizen remove <package>`

To uninstall KAIZEN package e.g. bluzelle, nkn or boilerplate

Parameters:

package - require, bluzelle or nkn

2.3 `kaizen set-ipfs --host <host> --port <port> --protocol <protocol>`

Setting IPFS configuration for IPFS API usage

Parameters:

host - required, e.g. ipfs.infura.io

port - required, e.g. 5001

protocol - required, e.g. https

2.4 \$ kaizen set-ethereum --network <network id> --port <port> --provider <provider>

Setting Ethereum configuration

Parameters:

network - required, e.g. 3 which mean Ropsten testnet

port - required, e.g. 8545

provider - required, e.g. <https://ropsten.infura.io/you-infura-key>

2.5 \$ kaizen set-nkn --identifier <identifier> --private-key <private key> --rpc-server <seed RPC server address>

Setting NKN configuration

Parameters:

identifier - required,

private-key - required,

rpc-server - required,

2.6 \$ kaizen ipfs upload <file|directory path>

User can specify the path and upload to IPFS. Should use 'kaizen set-ipfs' to setting IPFS configuration first

Parameters:

file|directory path - optional, default is current terminal position

2.7 \$ kaizen test contracts

To execute truffle testing scripts

2.8 \$ kaizen compile contracts

To execute truffle testing scripts

2.9 \$ kaizen deploy contracts

To execute truffle testing scripts

CHAPTER 3

Indices and tables

- `genindex`
- `modindex`
- `search`