

ethereum

INTERACTING WITH FINCONTRACTS ON FTHEREUM

Maciej Żurad

FINCONTRACTS-LIB

- a node.js package
- implements logic for dealing with Fincontracts
- single-step install

```
npm install --save fincontracts-lib
```

 documentation @ https://doc.esdoc.org/github.com/asiron/ fincontracts-lib/

CORE API

- Fincontract blockchain's Fincontract in memory
- FincNode blockchain's Fincontract description node in memory
- Deployer deploy and/or issue Fincontracts
- Evaluator current or estimated value of a Fincontract
- Executor join and choose Fincontracts
- Fetcher fetch Fincontracts from the blockchain
- Parser parse Fincontract's string description
- Serializer serialize Fincontracts into JSON
- DotGenerator generate DOT graphs from Fincontracts

FINCONTRACTS-CLI

git clone git@github.com:asiron/fincontracts-cli.git

- blockchain bash script for managing private-net
- fincli CLI for interacting with blockchain deployed Fincontracts

\$./blockchain

blockchain management tool	
\$./blockchain setup	creates new accounts, preallocates ether, compiles & deploys smart contracts
\$./blockchain deploy	compiles, deploys smart contracts & creates JS instantiation scripts
\$./blockchain start stop restart	starts, stops or restarts geth node
\$./blockchain attach	attaches to currently running geth node

\$./fincli

Commands:

help [command...]
exit
connect <host>
register
show-balance
select-account <index-or-address>
list-accounts
create-fincontract [options] <expr>
join-fincontract [options] <id>
pull-fincontract [options] <id>
show-fincontract [options] <name>
list-fincontracts [options]
delete-settings
example <index>

Provides help for a given command.

Exits application.

Connects to a local Ethereum node

Registers the currently selected account

Shows balance of the currently selected account

Selects an Ethereum account for sending transactions

Lists unlocked Ethereum accounts

Creates a Fincontract and deploys it to the blockchain

Joins a Fincontract given its <id> from the currently selected account

Pulls a Fincontract from the blockchain.

Shows detailed information about a saved Fincontract as text or graph

Lists all saved Fincontracts

Wipes out all user settings (autocomplete, saved fincontracts)

Deploys one of the examples from marketplace smart contract

LIVE DEMO