Soroswap Aggregator

The Soroswap Aggregator Contract currently aggregates the pools from the Soroswap.Finance protocol and Phoenix protocol.

For standalone development read #Development section

1. Setup

1.1. Clone this repo. Submodules are not more required to build the contracts, but are important to understand the underlying protocols

```
git clone --recurse-submodules http://github.com/soroswap/aggregator.git
```

1.2 In one terminal: (choose standalone, futurenet or testnet)

```
bash scripts/quickstart.sh standalone # or futurenet or testnet
```

1.3. In another terminal, to enter the docker container

```
bash scripts/run.sh
```

1.4 yarn install

```
yarn
```

PROF

2.- Build the Smart Contracts: after you have the enviroment setted up and inside the docker container you have to build the smart contracts with

```
cd /workspace/contracts
make build
```

2. Run Tests and Scout Audit

```
cd /workspace/contracts/
make test
```

For Scout Audits (tool created by CoinFabrik), you should enter in each of the sub projects, for example

```
cd /workspace/contracts/aggregator
cargo scout-audit
```

or, in the case you want to audit the Soroswap.Finance adapter,

```
cd /workspace/contracts/adapters/soroswap
cargo scout-audit
```

3.- Deployment

To deploy the smart contracts you first would need to build the source with

```
yarn build
```

The .wasm files will already be optimized and will be available in `/workspace/contracts/target/wasm32-unknown-unknown/release`

after the WASMs are built you can run this to deploy, networks can be `testnet`, `standalone`, `futurenet`, `mainnet`. The RPCs will be taken from the `configs.json` file.

```
cd /workspace
yarn deploy <network>
```

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You can deploy in Futurenet, Testnet and Mainnet from any type of Quickstart Image configuration. However if you want to deploy them on `standalone`, make sure that you have run the quickstart image with the `standalone` config.

when deployment is completed you can find the addresses in ./.sosorban directory

Development

When deploying to any network other than mainnet the script will also deploy Phoenix Protocol for testing purposes

For development in standalone you should deploy soroswap smart contracts from the soroswap submodule, to do so there is a script you can run... You will need to set the .env inside the submodule

```
bash scripts/deploySoroswap.sh <network>
```