ungrund oracle

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Foreword

"Let us suppose that we are supplied with some unspecified means of solving number-theoretic problems; a kind of oracle as it were. We shall not go any further into the nature of this oracle apart from saying that it cannot be a machine. With the help of the oracle we could form a new kind of machine (call them o-machines), having as one of its fundamental processes that of solving a given number-theoretic problem."
–Turing, Allan. Systems of logic based on ordinals.

Specifications

Requirements

- Docker version 19.03.9 and Docker Machine version 0.16.2

Libraries

- Pytezos, Flask, Swagger

Repository

https://github.com/hicetunc2000/ungrund

Ungrund Oracle v1.0.0 enables you to make HTTP Requests for a microservice which interacts with the Tezos Blockchain. It provides you multiple routes in which you can configure it's sessions, making possible user's interactions to happen with FA1.2 Standard Tokens and other Smart Contracts.
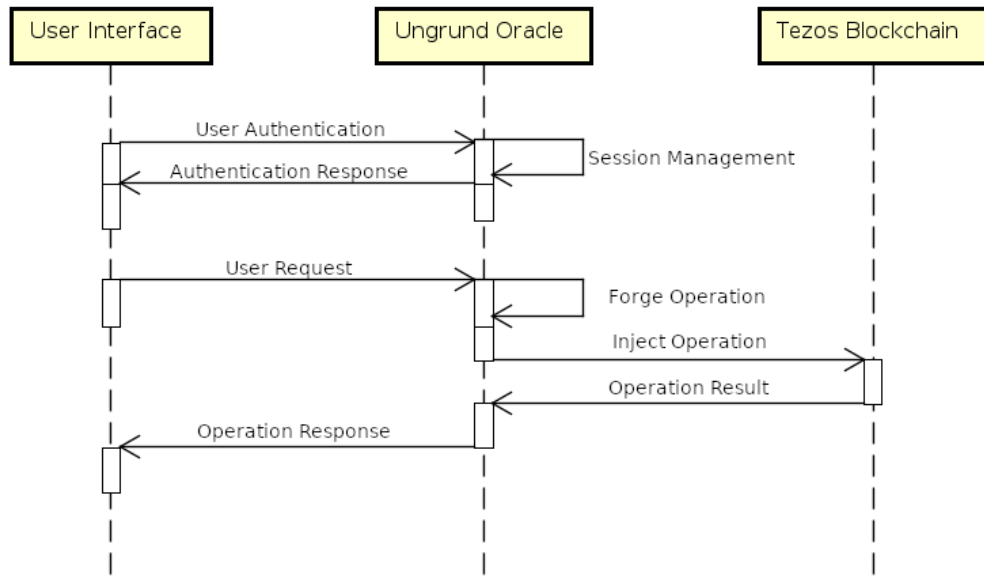
Specifications

Concept

Infrastructure to interact with Smart Contracts on Tezos Blockchain and provide connections to a variety of User's Interfaces and Experiences from a DevOps and Open Source perspective.

Implementations

- Microservice Architecture;
- Carthagenet and Mainnet;
- Interactions with FA1.2 Standard (TZIP-7);
- Feedback data from operations;
- Open design for interacting with a variety of Smart Contracts, as STOs, ICOs, KYCs, Atomic Swaps, Crowdfundings, Evotings, Marketplaces.

Architecture – Sequence Diagram

Next Updates

- Atomic Swaps;
- FA2 Support;
- Forge Operations for signing from different UX modules and protocols;
- Redis Session Management between modules;
- Modules Fabric.

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