
Title:
Ethereum offline transaction

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1 ALLOCATION OF RESPONSIBILITIES

Riccardo Sibani is in charge of writing the first draft, composing the structure of the paper and explaining the process, demonstrating on a theoretical basis how to achieve the offline transaction. Filippo Boiani is in charge of developing the script in order to test the presented assumptions as well as testing the performance of the suggested solution.

2 ORGANIZATION

The project will be organized as a two-person project, building upon previously developed solution at TU Berlin. Once the theoretical process is defined and the implementation ready, there will be an evaluation work.

3 BACKGROUND

This paper is based on a project for TU Berlin in collaboration with Deutsche Telekom. The offline solution was developed in order to give the users the possibility to update their social records (stored into the Ethereum public blockchain) without the constraint of downloading the entire blockchain node or use a third party node (which can be malicious and steal the blockchain credentials).

4 PROBLEM STATEMENT

5 PROBLEM

6 HYPOTHESIS

7 PURPOSE

8 GOAL(S)

9 TASKS

10 METHOD

11 MILESTONE CHART

12 REFERENCES