Reimburse Whitepaper
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## Introduction

One of the most tedious elements of the employer-employee relationship is the reimbursement of business expenses. Whether sole proprietorship or multi-national conglomerate, all businesses must replay their representatives for activities performed on behalf of the business. Some employees use their own funding resources and others used corporate accounts, but they are all required to submit invoices, receipts, and forms to the company to back up these expenses Keeping track of receipts and filling out expense reports wastes time and often paper for millions of organizations globally. Even as desktop, web, and mobile applications have emerged with the goal of digitizing this process, complete documentation still requires data entry time from employees after the transaction occurs.

The Reimburse Token solves this costly workplace inefficiency by providing employees with the ability for their business purchases to be automatically logged at the moment of purchase. Employees make a transaction with a vendor, and the Reimburse smart contract captures information about the category of vendor, cost of transaction, and a snapshot currency conversion rates. This transaction is added to the blockchain, which enables employers to have access to detailed information about the business expenditure in near real time. Employers can then process reimbursements much more quickly and frequently since they have access to all the information they would have other received in an expense report.

# Ecosystem

There are 7 key entities in the Reimburse ecosystem:

## Employee
A user that is spending money with vendors and needs to be reimbursed
Responsibilities:
- Use the Reimburse mobile application to pay vendors via cryptocurrency or fiat via integration with existing payment gateways
- Transaction in Reimburse app gathers vendor name, vendor category, Reimburse Token amount paid, equivalent USD and BTC amount at that moment
- Purchase Reimburse Token to make these transactions on the Reimburse Smart Contract
- Receive Reimburse Token from employer as reimbursement for expenditure
- Send Reimburse Token to exchange for currency of preference
Reward:
- Their transaction is automatically submitted to their company they
- They quickly receive reimbursement for their expense

## Employer
An organization that must reimburse their employees for expenses made using personal funds in the course of business
Responsibilities:
- Receive transaction data from employees via the Reimburse smart contract
- View transactions via the Reimburse web application
- Send Reimburse Tokens to employees as reimbursement for the expenses
  -or- Aggregate and export employee expense data for processing via existing payment processing platforms
- Export vendor names, categories, USD equivalents, and other data to existing accounting platforms
- Fund employee wallets via Reimburse Tokens
Reward:
- Get near real-time insight into employee driven business expenses
- Process reimbursements weekly, daily, or even hourly
- Update accounting records more efficiently and more quickly

## Mobile Application
An application that employees use to processing payments to vendors
Responsibilities:
- Calculates present currency equivalencies to match whatever currency particular vendors use to price their products or services
- Enables employee to send payment to a vendor's digital wallet or payment processing platform of choice

- Creates transaction record containing vendor name, vendor category, present currency conversions, and other data
- Allows user to add additional data to the transaction
- Attaches transaction to the Reimburse Smart Contract on the Ethereum blockchain
- Enables employee to receive and store funds via the Reimburse Token
- Transfer Reimburse Token to other wallets or exchanges

## Web Application
An application that employer organizations use to view expenditures and process reimbursements
   Responsibilities:
- Provide user interface for employer to view transactions their employees have added to the blockchain
- Enable accounting teams to send reimbursements to employees via Reimburse Tokens
- Export employee reimbursement data to existing payment platforms in use
- Enable employers to add Reimburse Tokens to their account
- Export transaction data to existing accounting management platforms in use

## Reimburse Token
The underlying currency that connects real word transactions to the employer's ledger via the Reimburse smart contract
      Symbol: REIM
      Decimal Places: 18
      Total Supply: 108,000,000

## Node
A device connect to a network with access to the Blockchain
   Responsibilities:
- Maintaining connectivity to the Blockchain
- Perform Proof of Work to process transaction on the Reimburse smart contract

## Ethereum Blockchain
A distributed ledger with Smart Contract capabilities
   Responsibilities:
- Provide the framework for the smart contracts which contain the transaction data underlying the Reimburse Tokens
   Reward:
- Blockchain miners receive fees paid in ETH