Bitcoin Automatic Investment light paper (draft)

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This paper tends to explain the problem for the current Bitcoin network and how Bitcoin Automatic Investment (BAI) solves this problem and how BAI works.

Context (problem)

Our product is for the crypto veteran (especially Bitcoin veteran). The problem is when to buy/sell Bitcoin, and the answer is now. Whenever you buy Bitcoin, it is the right time from a long term view. So our product - Bitcoin Automatic Investment (BAI) - aims to help you buy Bitcoin at the right time (buy Bitcoin with an automatic investment cycle like daily, weekly or monthly).
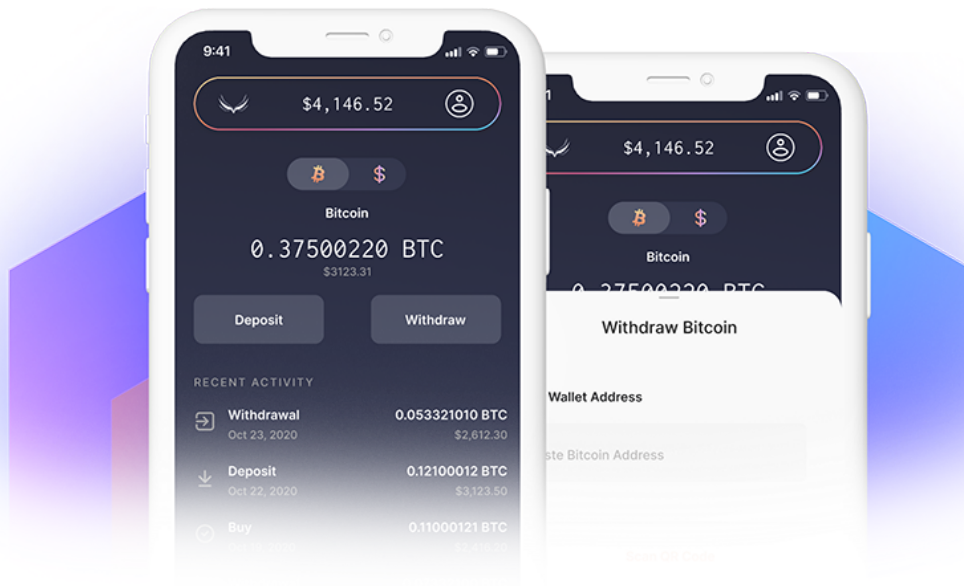

Figure 1 - Bitcoin Automatic Investment overview

It is simple and easy-use product for BAI with only 3 steps:
Step 1 - deposit stable coins into BAI
Step 2 - set up automatic investment for Bitcoin (which will buy Bitcoin in your investment cycle)
Step 3 - withdraw assets at any time you want.

How BAI works

Bitcoin Automatic Investment (BAI) is the first truly decentralized bitcoin automatic investment product. You can set up automatic purchases of bitcoin to occur every day, week, or month (Deposit stable coins and you will get ERC-20 Bitcoin).

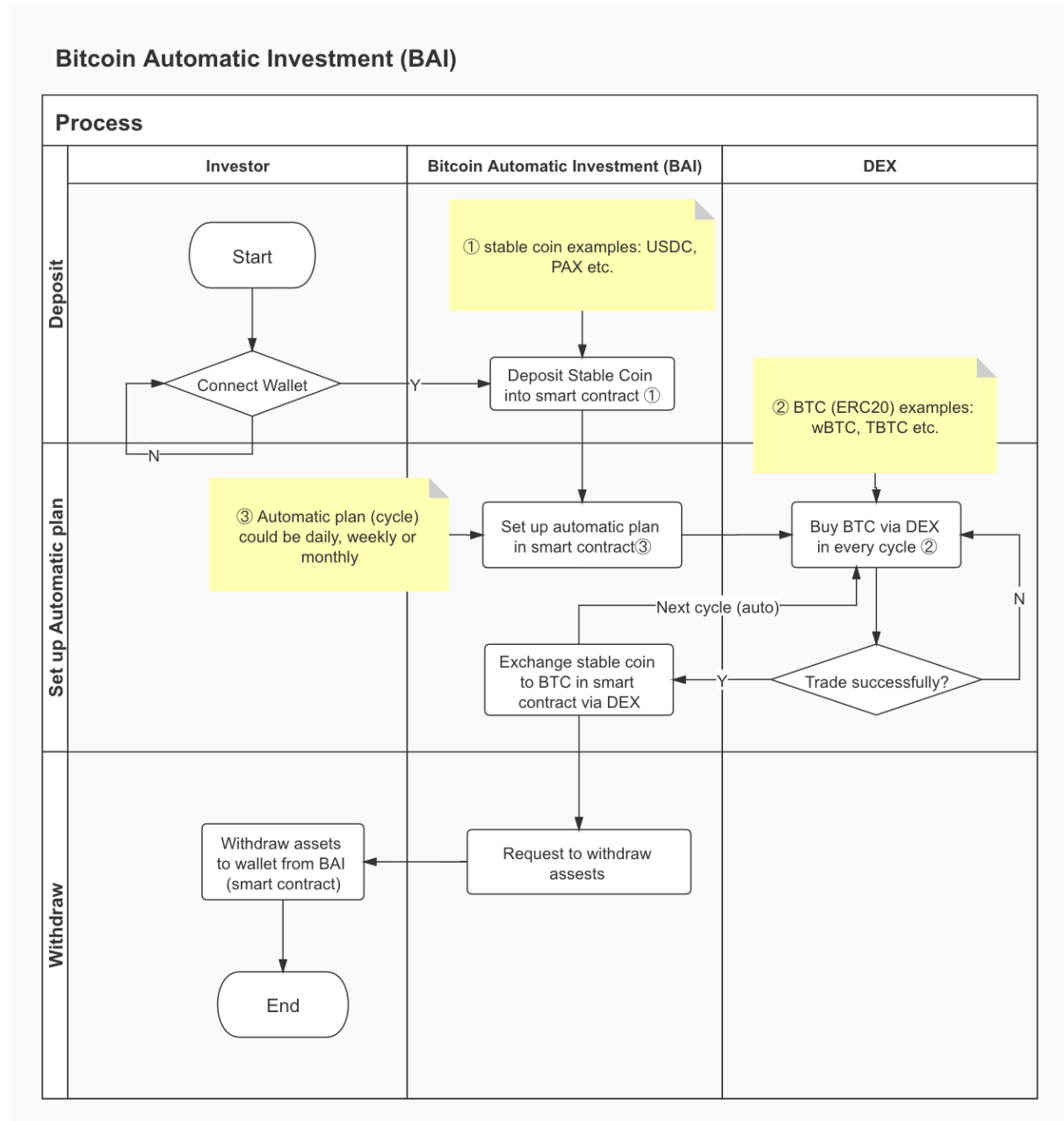Here are the working processes for BAI:

Figure 2 - Bitcoin Automatic Investment working process

There are 3 roles in the above figure:

1. investor (it's you, Bitcoin buyer),
2. BAI (our product)
3. and Decentralized Exchange (DEX).

The investor can set up an automatic investment plan(cycle) with BAI network and then BAI network would execute the investment plan automatically in the specific cycle (buy Bitcoin from DEX).

BAI network has three main functionalities:
- Deposit
- Set up automatic investment plan (cycle)
- Withdraw

Deposit

The investor needs to connect the wallet first (let's say Metamask). After connected the wallet, the investor could deposit stable coins into the BAI network (which is a smart contract open sourced).

Set up automatic investment plan (cycle)

Once deposited into the BAI network (with enough balance in a smart contract), the investor could set up an automatic investment plan (cycle) like daily, weekly or monthly which is in smart contract as well.

For example, the investor sets up an automatic investment plan as weekly. After the weekly automatic investment plan is set up, BAI network will buy Bitcoin right now with the current price. The next moment to buy Bitcoin is 1 week later (weekly investment plan) automatically.

The investor can set up/change/cancel an automatic investment plan at any time.

Withdraw

The investor can withdraw assets (including stable coins and BTC bought) at any time from the smart contract.

Roadmap

There are three phases for BAI network:

1. Phase 1 - Make it usable (dApp - smart contract on ethereum mainnet)
2. Phase 2 - Lower gas fee (layer 2 solution)
3. Phase 3 - Bitcoin cross chain solution

Contact

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