Bundles Finance

Workflow

The backend server creates a new bundle every 7 days.

a. During this process a sanitary check of whether previous bundle rewards are distributed are checked.
b. The bundle is created by updating the strike price to the bundle. This can be done only by the owner, since it is being called by an external cron job.
c. Then users can stake their BUND and place their weights on the 10 tokens in the pool. These data are stored in the Smart Contract and the user address (public key) is sent to the server and stored in the database (MongoDB)
d. Then every hour a scheduler checks whether the current bundle is ended on the smart contract.
e. Once this is done, the contract is ended, the scheduler will calculate the reward for all the users and update their new balance in the prediction contract.
f. Then a new bundle is created.

Architecture

1. NodeJS - Server
2. MongoDB - Database

Smart contract stores all the information, the server just handles the more intensive calculations.