Instruction

Transfer dfinity → polygon

- 1. Call the signed "approve" method in the dfinity token smart contract (https://ic.rocks/principal/oh7zz-gyaaa-aaaai-qfm3a-cai)
- 2. Send a post request to /api/v1/save-transaction

Request example:

Transfer polygon \rightarrow dfinity

- 1. Call the signed "**approve**" method in the polygon token smart contract (https://mumbai.polygonscan.com/address/0x8BC753423c58feEacE949000c9Cf4A9C9CD4909A)
- 2. Call the signed "**requestBridgingToStart**" method in the polygon bridge smart contract (https://mumbai.polygonscan.com/address/0x6e9b5E5D44D09f0c86aF2e6fED622F97246C700a). Save the hash of the transaction. Required when sending a request to the backend
- 3. Send a post request to /api/v1/save-transaction

Request example:

Getting a list of transactions by wallet address

Send a GET request to /api/v1/%addressWallet%/transactions

%addressWallet% - address wallet

Backend structure

Controller - accepts and processes post/get requests that come from the front. Calls a method on the Service

Service - main logic of the bridge. Here, transactions are recorded in the database, and the necessary methods are called for contracts.

PolygonListener - listens for polygon transactions. If a transaction is successful, calls the methods of the dfinity contract

CheckTransactionService — checking polygon transactions on a schedule. Checks polygon transactions if the PolygonListener fails

PolygonConnector - the logic of working with polygon contracts

DfinityConnector - the logic of working with dfinity contracts

