Quickstart guide

Building a Simple dApp using the 1inch Web3 RPC API

In this tutorial, we will build a simple decentralized application (dApp) that checks the Ethereum balance of any EVM-compatible wallet address. We'll be using the 1inch Web3 RPC API along with the web3.js library to interact with the blockchain.

Prerequisites:

1. Node.js installed on your machine. Download it here.
2. Web3 library. Install it using `npm install web3`.

Details:

- Endpoint: https://api.1inch.dev/web3/1
- Method: `POST`
- Parameters:
  - RPC-specific parameters: `jsonrpc`, `method`, `params`, and `id`.

Step 1: Set up environment variables

Create a `.env` file in your project directory and add the following lines. Be sure to replace `YOUR_API_KEY` and `YOUR_0x_WALLET_ADDRESS` with your actual 1inch API key and wallet address. You can obtain an API key here.

```
API_KEY=YOUR_API_KEY;
WALLET_ADDRESS=YOUR_0x_WALLET_ADDRESS;
CHAIN_ID=1;
```

Step 2: Building the Balance Checker

Create a new file named `balance_checker.js` and write the following code:

Step 3: Running the Balance Checker

Save the script and run it using the command:

```
node balance_checker.js
```

The script will then fetch and display the balance for the designated wallet address.

That's it! You've just built a simple balance checker using the 1inch Web3 RPC API. This basic app can serve as a foundation for more complex dApp projects, such as creating functions to check additional token balances or incorporating new features (like swaps) available through the other available 1inch APIs.

Questions, comments concerns? Feel free to reach out to us in the live support chat.

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