

What is blockchain-trace?

Blockchain-Trace is a web3 dapp based on covalent apis to easily trace the evm blockchain infos.

The blockchain-trace has the following functions:

1. search the tokens balances for a given user address.
2. search the all holders for a given contract address.
3. search the transactions for a given user address and/or a given contract.
4. search the emit log events for a given contract. (for the hackathon Event-Specific Endpoints).

How to runs?

0. make sure you are using linux system installed with git, node, npm .etc.

1. clone this project

```
git clone https://github.com/shepherliu/blockchain-trace.git
```

2. cd this project

```
cd blockchain-trace
```

3. install dependencies

```
npm install
```

4. run it on <https://localhost:8080/>

```
npm run serve
```

5. build it for production

```
npm run build
```

6. see our daemon website: <https://blockchain-trace.vercel.app>

7. see our daemon video for using covalent apis: <https://youtu.be/4iJ8eOUAs5g>

8. see our daemon video send tokens and nfts with unstoppable domains api: <https://youtu.be/oasJbIPMMOU>

9. see our daemon video login in with unstoppable domains: <https://youtu.be/o8i0wzMjQPQ>

Tokens Page

Tokens page show the tokens or nfts of the user address.

The screenshot shows a web-based application interface for managing tokens or NFTs. At the top, there is a dark header bar with a logo, navigation links for 'Tokens', 'Holders', 'Transactions', and 'LogEvents', a search bar, a notification icon, and a user profile section. Below the header, a secondary navigation bar has tabs for 'Tokens' and 'Nfts', with 'Tokens' being the active tab. A search bar at the top of the main content area contains the address '0xe89c8a484ece09ea8ee7eb491f2e2f475e96e4bf'. The main content table displays the following data:

Name	Contract	Balance	Decimals	Price (USD)	Operation
ETH 🪐	0xaaaaaaaaaaaaaaaaaaaaaaaaaaaa	0.0174996	18	1111.6459	send

At the bottom right, there is a pagination indicator showing 'Total 1' with a page number '1' highlighted in blue.

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Holders Page

Holders page show the holders of the contract address.

The screenshot shows a web-based blockchain explorer interface. At the top, there is a navigation bar with tabs: Tokens, Holders (which is highlighted in yellow), Transactions, and LogEvents. To the right of the tabs is a search bar with a magnifying glass icon. Further right are icons for notifications (bell) and user authentication (shepherd logo and text). Below the navigation bar, the page title is "Holders".
The main content area has two input fields: "Contract" containing the value "0x19062190B1925b5b6689D7073fDfC8c2976EF8Cb" and "BlockHeight" containing the value "-1". To the right of these fields is a blue circular search button with a magnifying glass icon.
The main table displays the following data:

Name	Address	Balance	TotalSupply	Decimals	BlockHeight
BZZ	0x58de44c4e1ccb802118d35e232f763d98dc7c8cc	790000	6.35861e+7	16	15012566
BZZ	0x83a40e42f1ca7439f6d1e50465821996fd1f5a33	844328	6.35861e+7	16	15012566
BZZ	0x7b4576d06d0ce1f83f9a9b76bf8077bffd34fc1	1.86646e+6	6.35861e+7	16	15012566
BZZ	0x99d8f20182c16ab2e2e426c2afbf0407e667c89	1.87500e+6	6.35861e+7	16	15012566
BZZ	0x5b7402902dc1f3a6ab01c69f1bad99a8372bace1	1.99977e+6	6.35861e+7	16	15012566
BZZ	0x4ce282232d28b1bebc4c68806436e67bd9a1f022	2.09300e+6	6.35861e+7	16	15012566
BZZ	0x05953fad0f66d5084984eae88699a70d429901f2	4.13462e+6	6.35861e+7	16	15012566
BZZ	0x663d3e4f39f6c029d9792ddfa186b7f0564f39c1	4.36500e+6	6.35861e+7	16	15012566
BZZ	0x7768f24af6324b972e409210b242573da7fbb698	5.21013e+6	6.35861e+7	16	15012566
BZZ	0x6cc5f688a315f3dc28a7781717a9a798a59fda7b	7.98544e+6	6.35861e+7	16	15012566

At the bottom of the table are two buttons: "Prev" and "Next".
In the footer, there is a link to "Buy Cryptos @ TRANSAK" and the text "Gitcoin Hackathon Build For Learning".

Transactions Page

Transactions page show the transactions of the address or contract.

The screenshot shows a blockchain transaction history interface. At the top, there is a navigation bar with tabs: Tokens, Holders, **Transactions**, and LogEvents. Below the navigation bar is a search bar with a magnifying glass icon and a user profile section with the name "shepherl...kchain" and a fox icon. The main content area is titled "Transactions" and displays a table of 10 transactions. The table has columns: Tx, From, To, Value (USD), Success, and Timestamp. The "Transactions" tab is highlighted in blue. The "From" and "To" columns contain Ethereum addresses. The "Value (USD)" column shows values like 0.00000, 18.8671, and 5.47025. The "Success" column shows all entries as true. The "Timestamp" column shows dates from June 14 to June 21, 2022. Below the table are "Prev" and "Next" buttons. At the bottom, there is a footer with links to "Buy Cryptos @ TRANSAK" and "Gitcoin Hackathon Build For Learning".

Tx	From	To	Value (USD)	Success	Timestamp
0x7a2fc1...ee5864	0x535ad892d834b5451fad3c3af2b9d2f6cea34c7	0xa0b86991c6218b36c1d19d4a2e9eb0ce3606eb48	0.00000	true	2022-06-14T22:40:10Z
0xda286b...86baee	0xe89c8a484ece09ea8ee7eb491f2e2f475e96e4bf	0xa0b86991c6218b36c1d19d4a2e9eb0ce3606eb48	0.00000	true	2022-06-14T23:16:00Z
0xc8aa63...3a0c7c	0x56eddb7aa87536c09ccc2793473599fd21a8b17f	0xe89c8a484ece09ea8ee7eb491f2e2f475e96e4bf	18.8671	true	2022-06-17T01:25:58Z
0x5d4dc0...730b91	0xe89c8a484ece09ea8ee7eb491f2e2f475e96e4bf	0x283af0b28c62c092c9727f1ee09c02ca627eb7f5	0.00000	true	2022-06-17T01:56:50Z
0x6d2ce2...662e91	0xe89c8a484ece09ea8ee7eb491f2e2f475e96e4bf	0x283af0b28c62c092c9727f1ee09c02ca627eb7f5	5.47025	true	2022-06-17T03:15:26Z
0x238213...b10f58	0xe89c8a484ece09ea8ee7eb491f2e2f475e96e4bf	0x084b1c3c81545d370f3634392de611caabff8148	0.00000	true	2022-06-17T03:16:11Z
0xc04b24...473b48	0x2dd94dc4b658f08e33272e6563dab1758c10b1de	0xa0b86991c6218b36c1d19d4a2e9eb0ce3606eb48	0.00000	true	2022-06-20T16:57:10Z
0x8718b7...ad739b	0x9696f59e4d72e237be84ffd425dcad154bf96976	0xe89c8a484ece09ea8ee7eb491f2e2f475e96e4bf	20.6231	true	2022-06-20T18:57:49Z
0xa3ba72...09ae31	0xe89c8a484ece09ea8ee7eb491f2e2f475e96e4bf	0xa0b86991c6218b36c1d19d4a2e9eb0ce3606eb48	0.00000	true	2022-06-20T18:59:44Z
0xe04189...3bce01	0xe89c8a484ece09ea8ee7eb491f2e2f475e96e4bf	0x57f1887a8bf19b14fc0df6fd9b2acc9af147ea85	0.00000	true	2022-06-21T01:34:47Z

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LogEvents Page

LogEvents page show the emit logs of the contract.

The screenshot shows a web-based interface for viewing log events from a blockchain contract. The top navigation bar includes links for Tokens, Holders, Transactions, and LogEvents, with LogEvents being the active tab. A search bar and a user profile icon are also present. Below the header, a section titled "LogEvents" displays three log entries. Each entry includes fields for Tx (transaction hash), Sender (contract address), LogEvent (the emitted event data), BlockHeight (block number), and Timestamp. The first log entry is for transaction 0x52c248...c6edb2, which emitted a Transfer event with parameters: recipient=0x001c90675bb5e65e23932ac88c3e084c43f6b9d8, sender=0x5696c2c2fcbe304a5b9faaec9cd37d369c9d067, and timestamp=2022-06-06T06:39:23Z. The second and third log entries are for transaction 0x4bc730...cd92ba, both emitting a Transfer event with parameters: recipient=0x74de5d4fcfb63e00296fd95d33236b9794016631, sender=0xcce14234f9257caf610b7f61f82d4f1ce920331a, and timestamp=2022-06-06T06:38:13Z. At the bottom, there are "Prev" and "Next" navigation buttons, and a footer with links to Transak and Gitcoin Hackathon.

Tx	Sender	LogEvent	BlockHeight	Timestamp
0x52c248...c6edb2	0x19062190b1925b5b6689d7073fdfc8c2976ef8cb	Transfer("0x001c90675bb5e65e23932ac88c3e084c43f6b9d8" , "0x5696c2c2fcbe304a5b9faaec9cd37d369c9d067" , "2022956255821426533")	14913508	2022-06-06T06:39:23Z
0x4bc730...cd92ba	0x19062190b1925b5b6689d7073fdfc8c2976ef8cb	Transfer("0x74de5d4fcfb63e00296fd95d33236b9794016631" , "0xcce14234f9257caf610b7f61f82d4f1ce920331a" , "2022956255821426533")	14913506	2022-06-06T06:38:13Z
0x4bc730...cd92ba	0x19062190b1925b5b6689d7073fdfc8c2976ef8cb	Transfer("0x5696c2c2fcbe304a5b9faaec9cd37d369c9d067" , "0x74de5d4fcfb63e00296fd95d33236b9794016631" , "2022956255821426533")	14913506	2022-06-06T06:38:13Z

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