

The background is a deep blue gradient with a starry space texture. On the left side, there are several overlapping circular patterns. One large circle has a scale from 140 to 260 in increments of 10. Other circles are smaller and some have dashed outlines. Arrows indicate a clockwise direction of movement for these patterns.

CRYPTO INSPECT


EXPLORING THE BLOCKCHAIN VISUALLY

PROJECT INTRODUCTION



- Crypto Inspect is an online platform that aims to become a free access crypto dashboard that allow users to visualize blockchain information with an intuitive user friendly interface in combination with the powerful covalent API that delivers up to date and organized blockchain data .
- This project also allows users to connect their wallet which can be used to inspect address transactions on the Transaction page.
- This application is also mobile responsive.
- This project is built to fulfil the GR14 hackathon (GR14: Web3 Application General Purpose Bounty (Covalent))

HOME



The home page uses the covalent API(chains) to fetch available chains and displays them in cards. This shows the user the chain ID, block height, status of these chains in a user friendly manner.


**CryptoInspect**

[Home](#)
[Charts](#)
[Events](#)
[Transactions](#)


 **Rinkeby** 

16.04 rETH

 **0x38...a8d4** 




All Chains




Eth mainnet[connect](#)

Chain Id : 1
Test Net : false
Block Height : 15043207
Signed At : 2022-06-29 05:20:10




Eth kovan[connect](#)

Chain Id : 42
Test Net : true
Block Height : 32446041
Signed At : 2022-06-29 05:20:36



Matic mainnet[connect](#)

Chain Id : 137
Test Net : false
Block Height : 30123210
Signed At : 2022-06-29 05:20:34

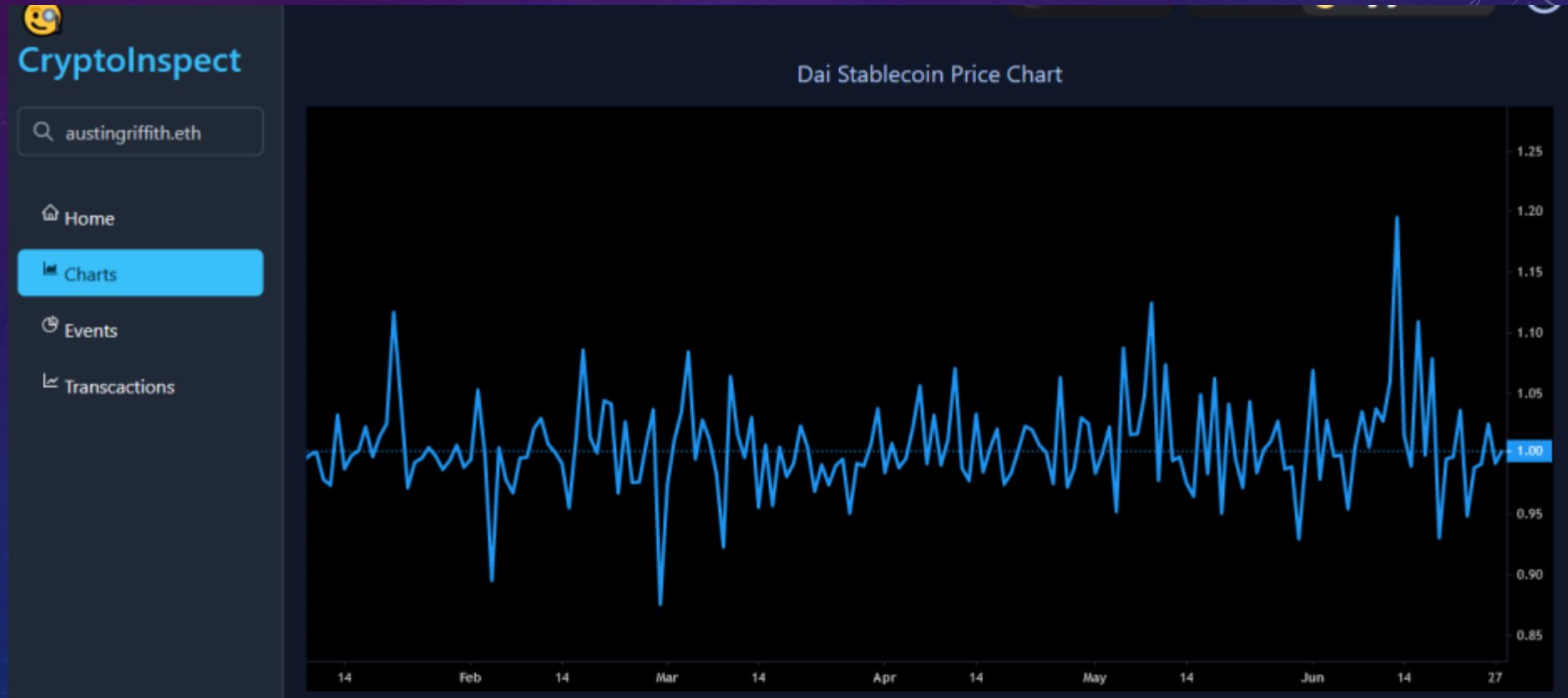


Matic mumbai[connect](#)

Chain Id : 80001
Test Net : true
Block Height : 26952820
Signed At : 2022-06-29 05:20:37

CHARTS

- This uses the covalent historical prices API to display the historical prices of popular tokens in form of a chart to help users in analysis of their favorite tokens.



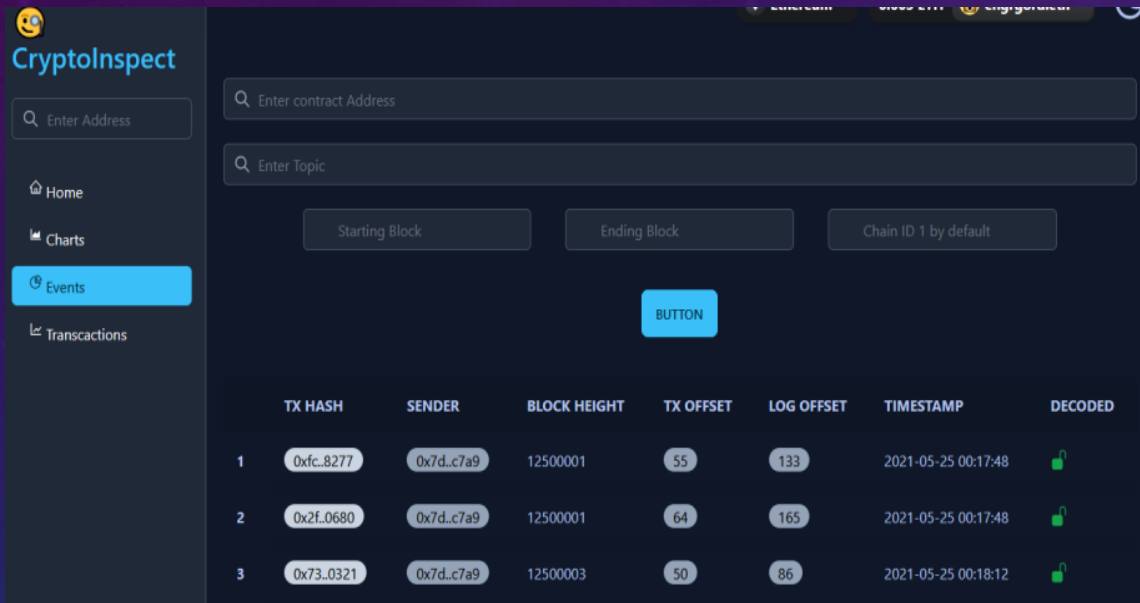
SANKEY CHART

- This page uses the Sankey chart library to visualize the inflow and outflow of transactions through an address.



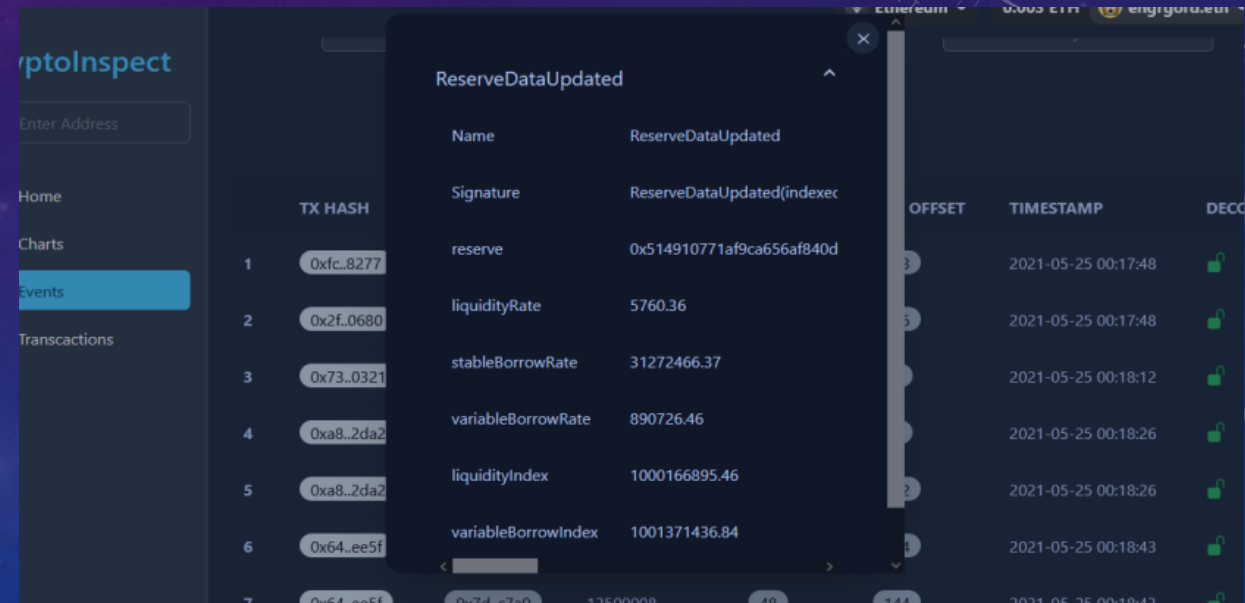
EVENTS

- This page uses the Get log events by topic hash to enable users view an address log events by providing the topic hash.
- The inputs are has been given default values for demo purposes but can be change by inputting another.



The screenshot shows the 'Events' page of the CryptolInspect application. The interface includes a sidebar with navigation links: Home, Charts, Events (selected), and Transactions. The main area features search inputs for 'Enter contract Address' and 'Enter Topic', along with buttons for 'Starting Block', 'Ending Block', and 'Chain ID 1 by default'. A 'BUTTON' is also present. Below these inputs is a table displaying log events.

	TX HASH	SENDER	BLOCK HEIGHT	TX OFFSET	LOG OFFSET	TIMESTAMP	DECODED
1	0xfc..8277	0x7d..c7a9	12500001	55	133	2021-05-25 00:17:48	🔒
2	0x2f..0680	0x7d..c7a9	12500001	64	165	2021-05-25 00:17:48	🔒
3	0x73..0321	0x7d..c7a9	12500003	50	86	2021-05-25 00:18:12	🔒



The screenshot shows the 'Events' page of the CryptolInspect application with a modal window open, displaying details for a 'ReserveDataUpdated' event. The modal window has a title bar with a close button. The event details are as follows:

Name	Signature
ReserveDataUpdated	ReserveDataUpdated(indexec
reserve	0x514910771af9ca656af840d
liquidityRate	5760.36
stableBorrowRate	31272466.37
variableBorrowRate	890726.46
liquidityIndex	1000166895.46
variableBorrowIndex	1001371436.84

The background table shows the following data for the first three rows:

	TX HASH	SENDER	BLOCK HEIGHT	TX OFFSET	LOG OFFSET	TIMESTAMP	DECODED
1	0xfc..8277	0x7d..c7a9	12500001	55	133	2021-05-25 00:17:48	🔒
2	0x2f..0680	0x7d..c7a9	12500001	64	165	2021-05-25 00:17:48	🔒
3	0x73..0321	0x7d..c7a9	12500003	50	86	2021-05-25 00:18:12	🔒

TRANSACTIONS

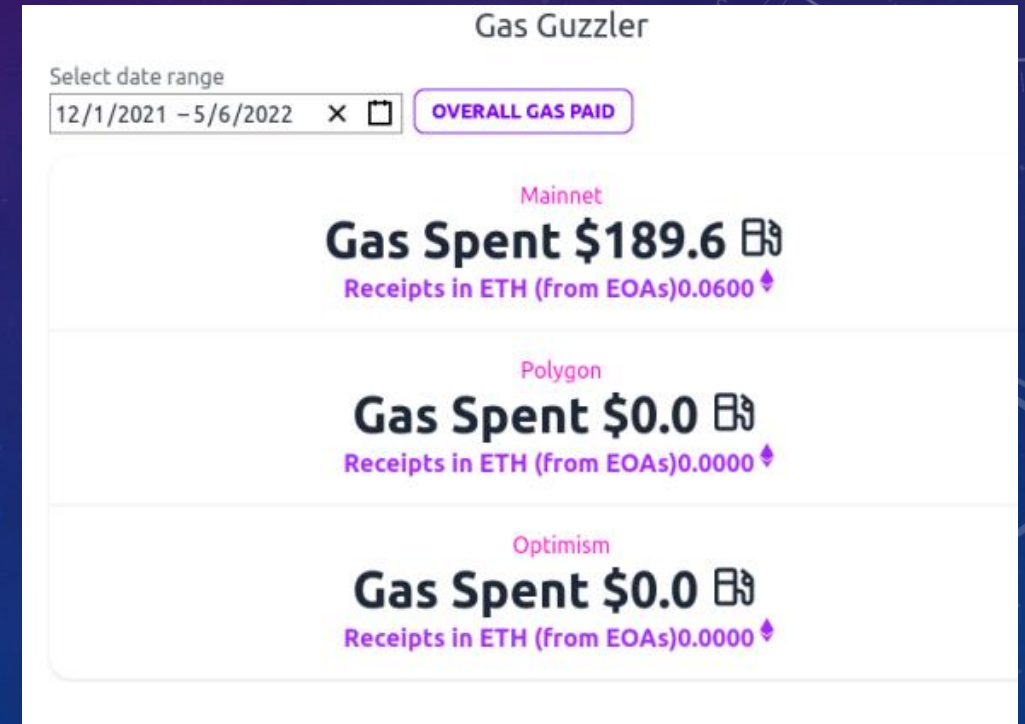
- This page uses the covalent API to get transaction to a connected or searched address and displays it in an organized and readable manner.
- The user can also view the event logs of transactions by clicking the event logs icon.

The screenshot displays the CryptoInspect interface. At the top, a search bar contains the address 'austingriffith.eth'. Below the search bar, a sidebar on the left lists navigation options: Home, Charts, Events, and Transactions (which is highlighted). The main content area shows the 'Eth price' as \$1159.96, the 'Balance' as 1.22 Eth (\$1413.89), and the 'User' as 0x34...fdf3 (austingriffith.eth). Below this, a table lists five transactions. Each transaction row includes a number, a TX HASH, FROM and TO addresses, VALUE, FEES, DATE, and an EVENT LOG icon (a green folder icon).

	TX HASH	FROM	TO	VALUE	FEES	DATE	EVENT LOG
1	0x8f...c451	0xf4...f051	-> 0x13...7309	0.000	0.43199	2022-06-17 10:27:25	
2	0x00...7b1b	0x25...8078	-> 0xde...163f	0.000	0.00289	2022-06-16 08:47:07	
3	0x0d...771a	0x34...fdf3	-> 0x90...d6ed	0.200	0.00922	2022-06-15 21:03:39	
4	0x22...8e82	0xc4...c349	-> 0xe5...1564	0.000	0.00685	2022-06-15 02:16:38	
5	0x73...db0d	0xf2...2fa6	-> 0x9d...e6a1	0.000	0.00519	2022-06-15 02:15:33	

GAS GUZZLER

- This page allows a user to get the amount of gas spent by an address within a range of time on multiple networks.



CONTRIBUTORS

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- Supernovahs
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