



# Ponzi scheme disguised as cloud mining (hashflare.io)

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## 1. Home page

The screenshot shows a web application interface. On the left is a sidebar menu with the following items: "Main" (with a green circle containing the number "1"), "Home", "Data", and "Functions". The main content area is titled "Demo Version *Ponzi scheme disguised as cloud mining*". In the top right corner, there are links for "Logout" and "Light / Dark". Below the title is an "Overview" section containing a table with the following data:

Overview	
Subject of dataset:	Ponzi scheme
Date of incident:	2014 – 2018 (among other company names) until today
Damage Amount:	~42,000 BTC (of which ~ 21,000 BTC paid back to customers)
Damage Amount (of ongoing operations):	more than ~ 170,000 BTC

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1. In the menu on the left side you will find all relevant functions / data sets under the item "Data / Functions".

## 2. HashFlare.io withdrawal addresses (Company Addresses Withdraw)

Existing Addresses

Show calculated Input/Output [Info](#) Set

BTC Address	Input BTC (total)	Output BTC (total)	Balance BTC	Transactions
(i) BK0Ux4bOvysnEYBI7kxmCH7vstYAuC4IAr... (demo)	60.00004440	58.24849395	1.75155045	4622
(i) Bln3pMuzFKdsrTmWD2Wj55SX0HjITrsEb... (demo)	876.02401100	876.01200000	0.01201100	12346
(i) BLG6iHKZFcuZ2TEo2bk9QG6e8qSHcGzAos... (demo)	60.00005874	59.99935424	0.00070450	4115
(i) BcKT6NPbckj1bY9sk8luzZlkjJWmAA5NS3... (demo)	800.00000546	800.00000000	0.00000546	9597
(i) BHQsPmNA8C9A8rMDbjITAkwmndSihfW... (demo)	3490.00000000	3490.00000000	0.00000000	36998
(i) BK1rK5up6OHwivARdYhDQZaH5DP3wv5OP... (demo)	2438.10000000	2438.10000000	0.00000000	19913
(i) BlixFZBeUTInQ6Pe00J35BZVWothz5GywtZ... (demo)	2310.05035382	2310.05035382	0.00000000	19489
(i) BRv7SRvKEpZrLC7T12Bn5octky3zpuNyeN... (demo)	2129.20000000	2129.20000000	0.00000000	19206
(i) BVGScnR91H6RsUKhp2HMG5R4pMRpEw7HQ... (demo)	1545.00000000	1545.00000000	0.00000000	14976
(i) BVhrKF0TeZgBWxlxcWth4Z32hVfCEsJo... (demo)	1260.10001500	1260.10001500	0.00000000	12451
(i) BZTIIXRq42WpPaifvYJjaBREWScYP046qf... (demo)	1144.00000000	1144.00000000	0.00000000	12356
(i) BeRvBf5f6iE3S3hUQUQALcDOGw76dkVpoA... (demo)	530.00000000	530.00000000	0.00000000	6979
(i) BJREZ80VJcBeyFuei1R2dM65FYMghjTW... (demo)	500.00000000	500.00000000	0.00000000	6037

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1. Listing of all Bitcoin addresses used by HashFlare.io for withdrawals to customers.
2. Switch between standard and calculated total inputs and outputs on the bitcoin addresses. (The standard inputs and outputs, show the values, directly from the Bitcoin blockchain. This data is also shown by block explorers, such as blockchain.info. However, in HashFlare.io's payout addresses, in contrast to the normal procedure for Bitcoin transactions, the output addresses were also used as change addresses for transactions. As a result, the default value displayed for inputs and outputs is too high. The correct value is displayed when choosing calculated total inputs and outputs).

### 3. HashFlare.io Deposit Addresses (Company Addresses Deposit)

Existing Addresses

Show total values

BTC Address ↑ ↓	Input BTC (total) ↑ ↓	Output BTC (total) ↑ ↓	Balance BTC ↑ ↓	Transactions ↑ ↓
(i) BFHyJWnTAmBTauo33vOL2X5Vpw2rJi38PN... (demo)	1.42770000	1.42770000	0.00000000	2
(i) BFGHyRAwPbRw7pII532jE5W8yZbo7pR9jV... (demo)	0.47328100	0.47328100	0.00000000	2
(i) BGBAwdTxeiQkIfzP8DECe4uOg2tosfEwY3... (demo)	1.19320000	1.19320000	0.00000000	2
(i) BGGZU2WnB3Kc7SWNjUofGtbKabhqKL9py... (demo)	0.24130000	0.24130000	0.00000000	2
(i) BGMsV62w47j56z7QVsoK3Wl4Pejb2IN8Uw... (demo)	0.64580000	0.64580000	0.00000000	2
(i) BGPWU1HHxQkOf6VAZqHIC0VmHam23Rhvl... (demo)	0.19229180	0.19229180	0.00000000	2
(i) BGk17TU5q599bH09CBkhKxABbGMo5eIRZm... (demo)	0.20196000	0.20196000	0.00000000	2
(i) BGpw0EGiAINM9OQHfDaY9aiWk9ioiPUwP... (demo)	1.07823699	1.07823699	0.00000000	2
(i) BG4Y05f08J0pOqlqjR0iAGup00QS9S14... (demo)	0.27540000	0.27540000	0.00000000	2
(i) BHHyLJPS5WNtlaJsz08RivEOHwKrhqT8GZ... (demo)	0.35050000	0.35050000	0.00000000	2

1. Listing of all Bitcoin addresses used by HashFlare.io for customer deposits.

2. Display the total values for all deposit addresses.

#### 4. Comparison of deposit and withdrawal addresses (Deposit vs. Withdraw)

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Deposit	
Key	Value
Input BTC (total)	42511.22633490
Output BTC (total)	42511.19109140
Balance BTC (total)	0.03524350
Transactions	660968
BTC Addresses	326952

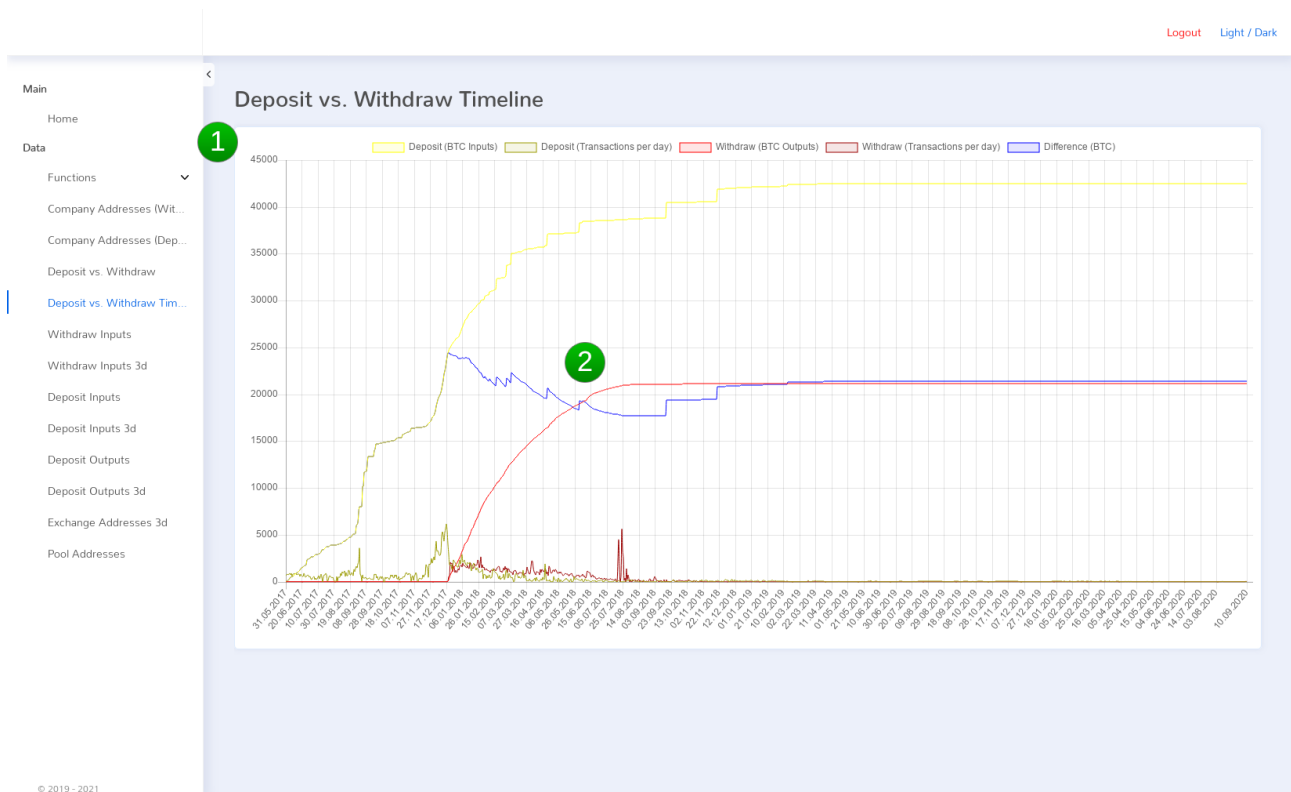
Withdraw	
Key	Value
Input BTC (total)	21131.33891676
Output BTC (total)	21129.57464535
Balance BTC (total)	1.76427141
Transactions	247455
BTC Addresses	35

Difference	
Key	Value
Difference BTC (Deposit Input - Withdraw Output)	21381.65168955

1. Total value of all deposit addresses used by HashFlare.io.
2. Total value of all withdrawal addresses used by HashFlare.io.
3. Difference between the values of deposit and withdrawal addresses.  
(This value gives the total amount of damage for the present fraud case).

## 5. Comparison of deposit and withdrawal addresses in timeline (Deposit vs. Withdraw Timeline (Graph))



1. Overview of the displayed data. Individual data records can be clicked to show / hide them in the overview.

2. Graphical representation of the individual data sets.

█ Deposits from customers (in BTC)

█ Deposits from customers (transactions per day)

█ Withdrawals from customers (in BTC)

█ Withdrawals from customers (transactions per day)

█ Difference between Deposits and Withdrawals

## 6. Overview of inputs on withdrawal addresses (Withdraw Inputs)

Logout Light / Dark

Main

- Home
- Data
- Functions
- Company Addresses (Wit...
- Company Addresses (Dep...
- Deposit vs. Withdraw
- Deposit vs. Withdraw Tim...
- Withdraw Inputs**
- Withdraw Inputs 3d
- Deposit Inputs
- Deposit Inputs 3d
- Deposit Outputs
- Deposit Outputs 3d
- Exchange Addresses 3d
- Pool Addresses

### Withdraw Inputs

1 Status

Key	Value
Company Withdraw Addresses (total)	35
Company Withdraw Addresses (processed)	35
Company Withdraw Addresses (not processed)	0
Input Addresses (total)	649283
Input Addresses (total != level 4)	95233
Input Addresses (processed)	31273
Input Addresses (not processed)	618010
Input Addresses (not processed != level 4)	0
Input is Coinbase	0
Input is Pool Address	415
Input is Company Deposit Address	171256
Input is Company Deposit Address (total != level 4)	63949
Process max levels	4

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### 1. Overview of analyzed inputs on withdrawal addresses from HashFlare.io.

## 7. 3d representation of inputs on withdrawal addresses (Withdraw Inputs 3d)

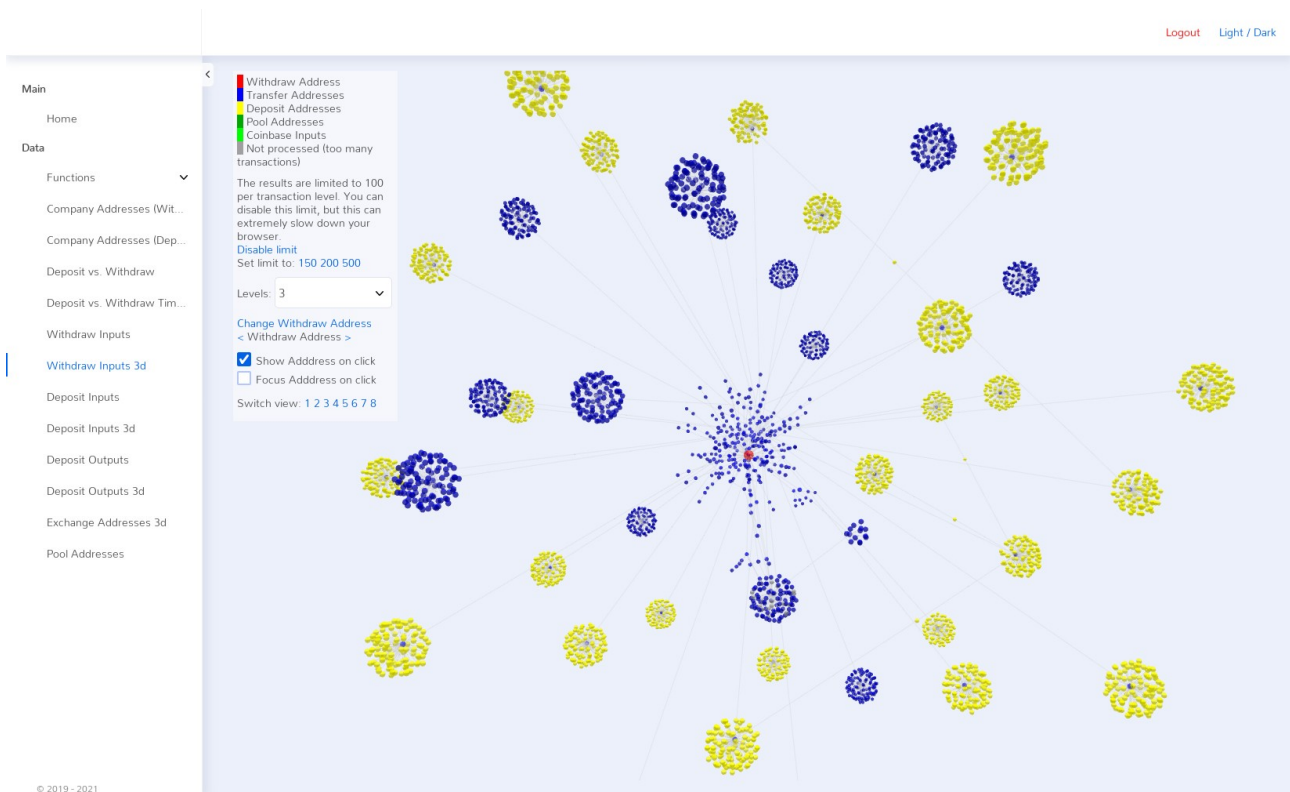
The screenshot displays the 'Withdraw Inputs 3d' interface. On the left, a sidebar menu lists various categories under 'Data', with 'Withdraw Inputs 3d' highlighted. The main content area features a table with the following columns: 'BTC Address', 'Input BTC (total /calculated)', 'Output BTC (total /calculated)', 'Balance BTC', and 'Transactions'. A green circle '1' highlights the 'Start Address' link above the table. A second green circle '2' highlights the first row of the table, which contains a Bitcoin address and its corresponding input and output values. The table is paginated, showing page 1 of 1.

BTC Address	Input BTC (total /calculated)	Output BTC (total /calculated)	Balance BTC	Transactions
(i) Bk1rK5up6OHwivARdYhDQZaH5DP3wv5OoP... (demo)	3490.00000000	3490.00000000	0.00000000	36998
(i) BK1rK5up6OHwivARdYhDQZaH5DP3wv5OoP... (demo)	2438.10000000	2438.10000000	0.00000000	19913
(i) BlixFZBeUTInQ6Pe00J3SBZVWothz5GywtZ... (demo)	2310.05035382	2310.05035382	0.00000000	19489
(i) BRv75RvKEpZrLC7T12Bn5oocky3zpuNyeN... (demo)	2129.20000000	2129.20000000	0.00000000	19206
(i) BVGScnR91Hi6RzUKhp2HMG5R4pMRpEw7HQ... (demo)	1545.00000000	1545.00000000	0.00000000	14976
(i) BVhrKF0TeZgBWxlxcWth4Z32hVfCExSJo... (demo)	1260.10001500	1260.10001500	0.00000000	12451
(i) BZTIIIRq42WpPaifvYJaBREWScYP046qf... (demo)	1144.00000000	1144.00000000	0.00000000	12356
(i) Bln3pMuzFKdsrTmWD2Wjb5SX0HjjiTrsEb... (demo)	876.02401100	876.01200000	0.01201100	12346
(i) BcKT6NPbckj1bY9sk8luzZl2kjJWmAAaNS3... (demo)	800.00000546	800.00000000	0.00000546	9597
(i) BeFvBf5f6IE3S3hUQUQALcDOGw76dkVpoA... (demo)	530.00000000	530.00000000	0.00000000	6979

1. List of HashFlare.io withdrawal addresses.
2. A click on the address / line opens the 3d view.

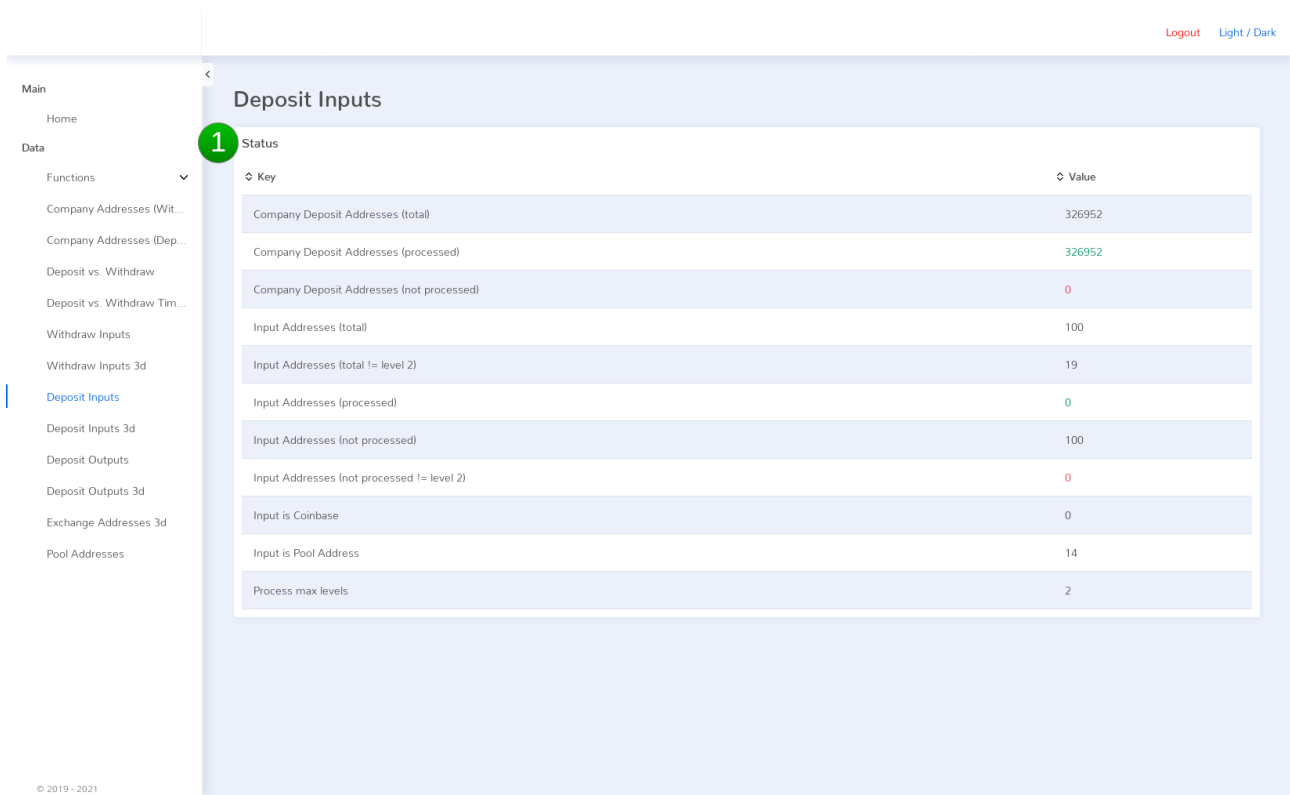


## 8. 3d representation of the transaction histories



- Withdrawal address ( withdrawals to customers)
- Transfer addresses
- Deposit addresses (deposits from customers)
- Mining Pool addresses
- Coinbase inputs
- Ignored addresses (too many transactions, e.g. customer deposit from exchange address).

## 9. Overview of inputs to deposit addresses (Deposit Inputs)



Logout Light / Dark

Main

Home

Data

Functions

Company Addresses (Wit...)

Company Addresses (Dep...)

Deposit vs. Withdraw

Deposit vs. Withdraw Tim...

Withdraw Inputs

Withdraw Inputs 3d

Deposit Inputs

Deposit Inputs 3d

Deposit Outputs

Deposit Outputs 3d

Exchange Addresses 3d

Pool Addresses

### Deposit Inputs

1 Status

Key	Value
Company Deposit Addresses (total)	326952
Company Deposit Addresses (processed)	326952
Company Deposit Addresses (not processed)	0
Input Addresses (total)	100
Input Addresses (total != level 2)	19
Input Addresses (processed)	0
Input Addresses (not processed)	100
Input Addresses (not processed != level 2)	0
Input is Coinbase	0
Input is Pool Address	14
Process max levels	2

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### 1. Overview of analyzed inputs on deposit addresses from HashFlare.io.

## 10. 3d representation of inputs on deposit addresses (Deposit Inputs 3d)

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Logout Light / Dark

### Deposit Inputs 3d

1 Start Address

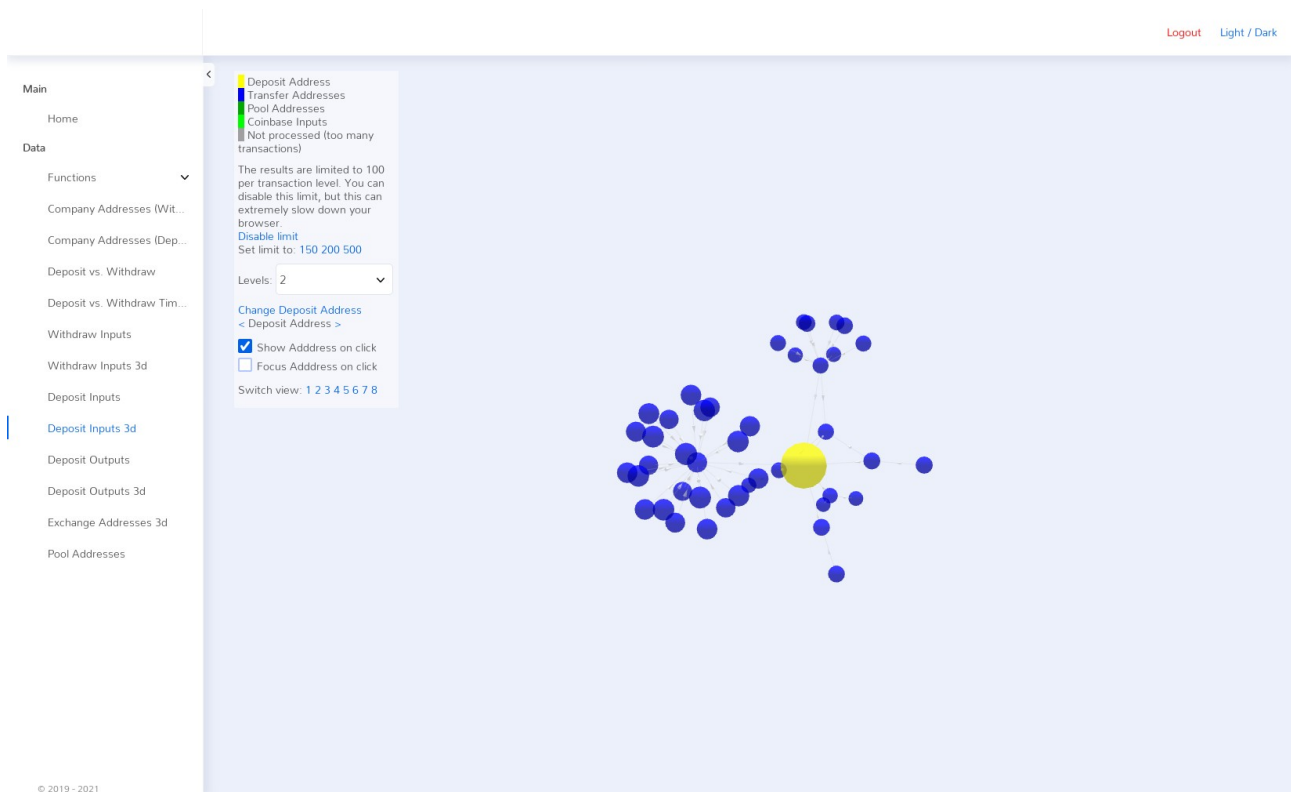
Go to page: 1

BTC Address ↑ ↓	Input BTC (total) ↑ ↓	Output BTC (total) ↑ ↓	Balance BTC ↑ ↓	Transactions ↑ ↓
(i) BFfyJWnTAmBTauo33vOL2X5Vpw2rJi38PN... (demo) 2	1.42770000	1.42770000	0.00000000	2
(i) BF6HyRAwPbRw7pII532jE5W8yzbo7pR9jV... (demo) 2	0.47328100	0.47328100	0.00000000	2
(i) BGBAwdTxeiQkIFzP8DECe4uOg2tosfEwY3... (demo) 2	1.19320000	1.19320000	0.00000000	2
(i) BGGZU2WnB3Kkc7SWNlJofGtbKabhqKLSp... (demo) 2	0.24130000	0.24130000	0.00000000	2
(i) BGMsV62w47js6z7QVsoK3Wl4Pejb2IN8Uw... (demo) 2	0.64580000	0.64580000	0.00000000	2
(i) BGPWU1HHxQKof6VAZqHIC0VmHam23Rhlv... (demo) 2	0.19229180	0.19229180	0.00000000	2
(i) BGki7TU5q599bH09CBkhKxABbGMo5elRZm... (demo) 2	0.20196000	0.20196000	0.00000000	2
(i) BGpw0ECiANM9OQJhFDaY9aWk9IoIPuWP... (demo) 2	1.07823699	1.07823699	0.00000000	2
(i) BG4Y05f08Jj0pOqlqqIR0iAGup00QS9S4... (demo) 2	0.27540000	0.27540000	0.00000000	2
(i) BHHyLJPS5WNtlaJsz08RivEOHwKrhqT8GZ... (demo) 2	0.35050000	0.35050000	0.00000000	2

Go to page: 1

1. List of HashFlare.io deposit addresses.
2. A click on the address / line opens the 3d view.

## 11. 3d representation of the transaction histories



- Deposit address (deposits from customers)
- Transfer addresses
- Mining Pool addresses
- Coinbase inputs
- Ignored addresses (too many transactions, e.g. customer deposit from exchange address).

## 12. Overview of outputs of deposit addresses (Deposit Outputs)

Logout Light / Dark

Main

Home

Data

Functions

Company Addresses (Wit...)

Company Addresses (Dep...)

Deposit vs. Withdraw

Deposit vs. Withdraw Tim...

Withdraw Inputs

Withdraw Inputs 3d

Deposit Inputs

Deposit Inputs 3d

**Deposit Outputs**

Deposit Outputs 3d

Exchange Addresses 3d

Pool Addresses

### Deposit Outputs

Status

Key	Value
Company Deposit Addresses (total)	326952
Company Deposit Addresses (processed)	326952
Company Deposit Addresses (not processed)	0
Output Addresses (total)	456796
Output Addresses (total != level 10)	454082
Output Addresses (processed)	456796
Output Addresses (not processed)	0
Output Addresses (not processed != level 10)	0
Output is Withdraw Address	990
Process max levels	10

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1. Overview of analyzed outputs of deposit addresses from HashFlare.io.

### 13. 3d representation of the outputs of deposit addresses (Deposit Outputs 3d)

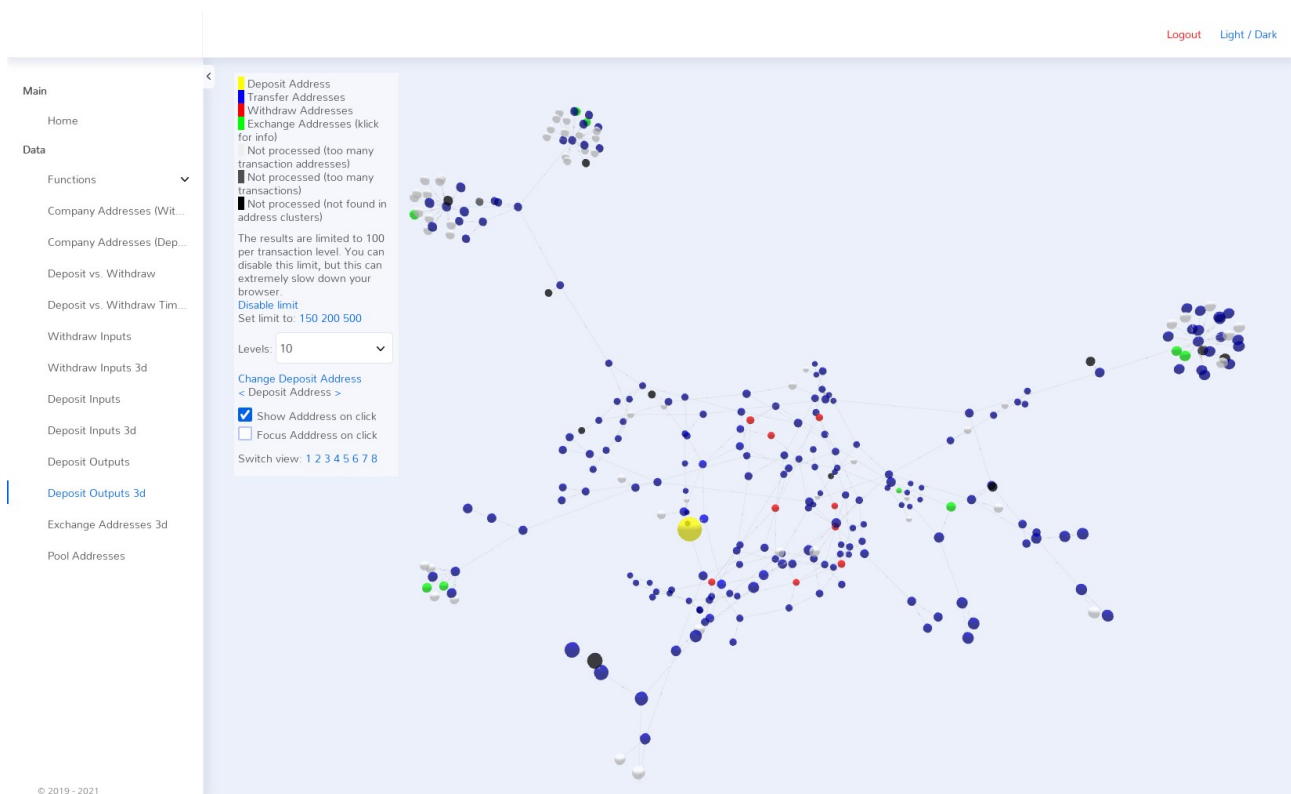
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BTC Address ↑ ↓	Input BTC (total) ↑ ↓	Output BTC (total) ↑ ↓	Balance BTC ↑ ↓	Transactions ↑ ↓
(i) BFfyJWnTAmBTauo33vOL2X5Vpw2rJi38PN... (demo)	1.42770000	1.42770000	0.00000000	2
(i) BF6HyRAwPbRw7pII532jE5W8yzbo7pR9jV... (demo)	0.47328100	0.47328100	0.00000000	2
(i) BGBAwdTxeiQkIFzP8DECe4uOg2tosfEwY3... (demo)	1.19320000	1.19320000	0.00000000	2
(i) BGGZU2WnB3Kkc7SWNlJofGtbKabhqKLSp... (demo)	0.24130000	0.24130000	0.00000000	2
(i) BGMsV62w47js6z7QVsoK3Wl4Pej2IN8Uw... (demo)	0.64580000	0.64580000	0.00000000	2
(i) BGPWU1HHxQKof6VAZqHIC0VmHam23Rhvl... (demo)	0.19229180	0.19229180	0.00000000	2
(i) BGki7TU5q599bH09CBkhKxABbGMo5elRZm... (demo)	0.20196000	0.20196000	0.00000000	2
(i) BGpw0ECiANM9OQJhFDaY9aWk9IoIPuWP... (demo)	1.07823699	1.07823699	0.00000000	2
(i) BG4Y05f08Jj0pOqlqqIR0iAGup00QS9S4... (demo)	0.27540000	0.27540000	0.00000000	2
(i) BHHyLJPS5WNtlaJszo8RivEOHwKrhqT8GZ... (demo)	0.35050000	0.35050000	0.00000000	2

1. List of HashFlare.io deposit addresses.

2. A click on the address / line opens the 3d view.

## 14. 3d representation of the transaction histories



- Deposit address (deposits from customers)
- Transfer addresses
- Withdrawal addresses ( withdrawals to customers)
- Exchange addresses
- Ignored addresses (too many transaction addresses)
- Ignored addresses (too many transactions)
- Ignored addresses (no match found in bitcoin wallet directory).

## 15. 3d representation of inputs on exchange addresses (Exchange Addresses 3d)

The screenshot displays the 'Exchange Addresses 3d' page. The sidebar on the left contains a navigation menu with 'Exchange Addresses 3d' highlighted. The main content area features a table with the following columns: BTC Address, Owner, Found, Level (nearest), Input BTC (total), Output BTC (total), and Balance BTC. The table lists several exchange addresses, with the first row highlighted. A green circle '1' is placed over the 'Exchange Addresses' link in the sidebar, and a green circle '2' is placed over the first row of the table.

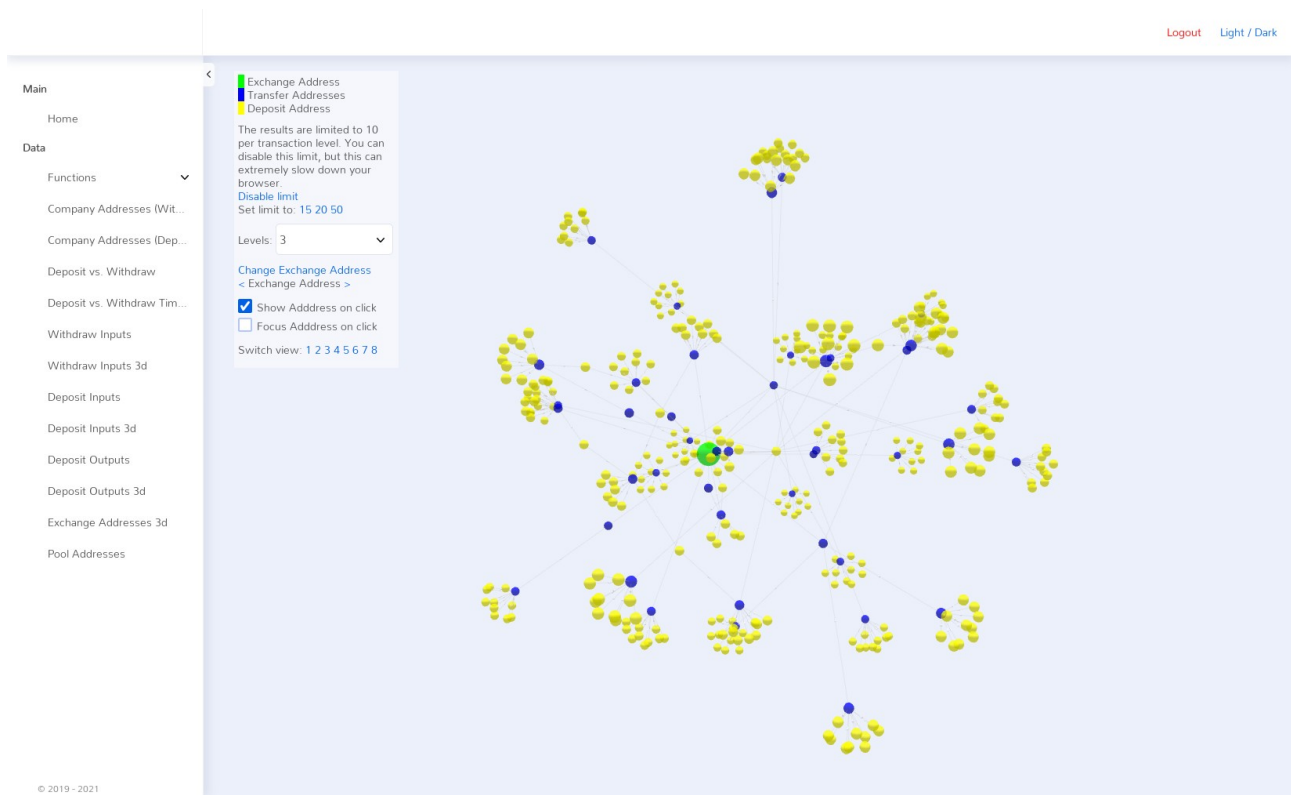
BTC Address	Owner	Found	Level (nearest)	Input BTC (total)	Output BTC (total)	Balance BTC
(j) Bc1PmDu24e1gbScLbpSRk9JLB8qGc1KFm... (demo)	bitstamp	926	1	16053.96658000	16053.96658000	0.00000000
(i) 0HgXHE3UrZdvytyag23FpxqH8E6H5Mge06... (demo)	btc-e.com	78	1	311.20000000	311.20000000	0.00000000
(i) Bc1hwQ1UhFuseeikfWnzK6uCSsNXv5Vx... (demo)	bitstamp	74	6	170448.51925356	170448.51925356	0.00000000
(i) 0lirgDKrDBHfpPLLpr93HPV19wuhblrVa7... (demo)	bittrex	62	5	420774.18379533	420774.18379533	0.00000000
(i) 0MvzYMFAdORILQ3cMG0NuQLGc3kym6GI... (demo)	bittrex	59	3	2754.00000000	2754.00000000	0.00000000
(i) 0PCzHeaHKzSgijkrOAI28z6kF9NhXpnWt... (demo)	cryptonator	46	7	26.32040000	26.32040000	0.00000000
(i) 0UmISX4wZc7KpMba8lrqG2Y5lrFrEI9r... (demo)	bittrex	41	5	80.25841903	80.25841903	0.00000000
(i) 0Nc2KZlMSCRQYPhpt22sD44XqempKatjG3... (demo)	kraken	33	2	34577.94314100	32702.94306971	1875.00007129
(i) BUqPbna5iNvm4Smo2L3pcR0xPjxpSuEBE... (demo)	cryptopay.me	31	2	271.91731686	271.91731686	0.00000000
(i) 0V5tCii5nOlxa1kDmCzFVVN7gfcWkf5WK3... (demo)	bittrex	29	3	2.60450800	2.60450800	0.00000000


1. List of exchange addresses, on which the profits of HashFlare.io were sold.


2. A click on the address / line opens the 3d view.




## 16. 3d representation of the transaction histories



 Exchange address

 Transfer addresses

 Deposit addresses (customer deposits)

## 17. Mining Pool addresses (Pool Addresses)

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BTC Address	Pool	
(i) 0HZf9eWqWb6HRWnJcxFWHnnBMgvRN63WC... (demo)	BTC.com (BTCChina)	X
(i) 0fH6DdMFAe2LhLNkCs4ZHfCip4Ht3kGH... (demo)	BTC.com (BTCChina)	X
(i) 0SbccKcP6pJHRdmv94bWJJzEG0vQSxR2l... (demo)	BTC.com (BTCChina)	X
(i) BGcxzV8KSqBOQGJN1Cnv4PbVkhKeelQqcs... (demo)	BTC.com (BTCChina)	X
(i) 0cbwox2GagKlwT8scnARikC75yUQ0e43jv... (demo)	BTC.com (BTCChina)	X
(i) 0bEYcOgBcfZe4M4moDBPHJeKI3hOnEJa... (demo)	BTC.com (BTCChina)	X
(i) kr7HyCM4zqBK13rwFJB1vEDLEjCtDxs9AC5zDI2TsE... (demo)	BTC.com (BTCChina)	X
(i) 0gzvZObaJN4KLo9HhhiYhZMYemgWOItz... (demo)	BW.com	X
(i) 0H1UIVnaz105tent3KkJmRBnU0dKF6Dxs... (demo)	BW.com	X
(i) 0azwtnUbmScq32KBC7rhEpcm17djubbL... (demo)	BW.com	X

1. List of all mining pool addresses allegedly used by HashFlare.io for Bitcoinmining.
2. Address information.