

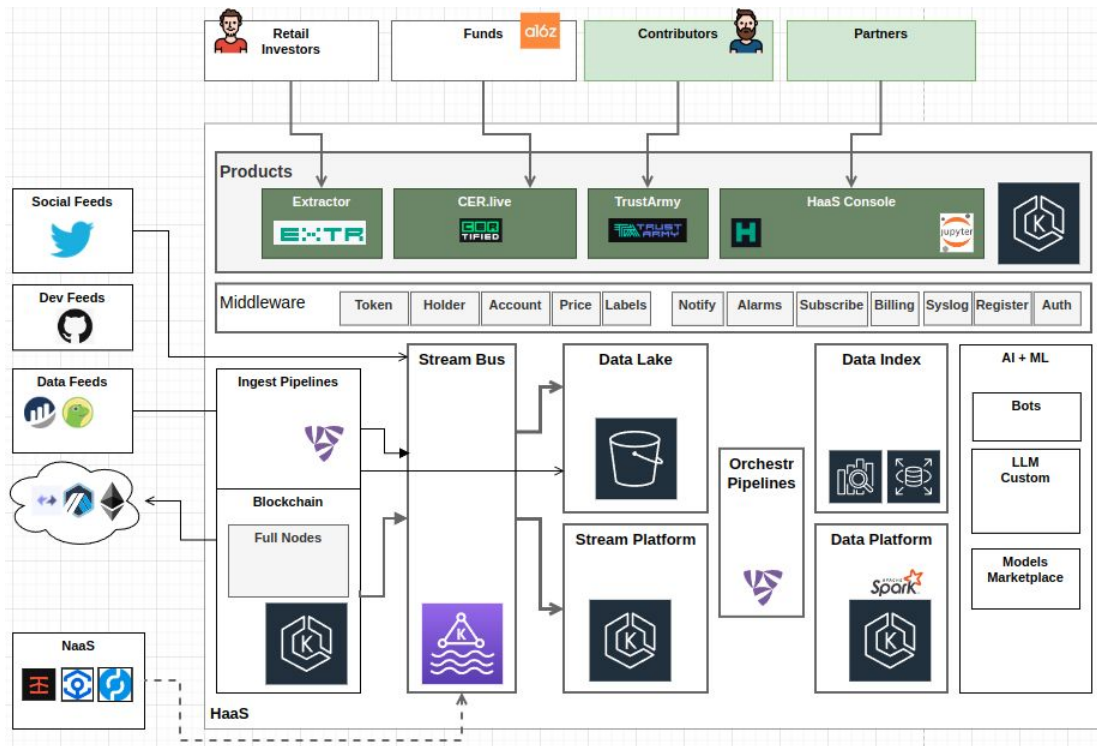


HaaS

Overview

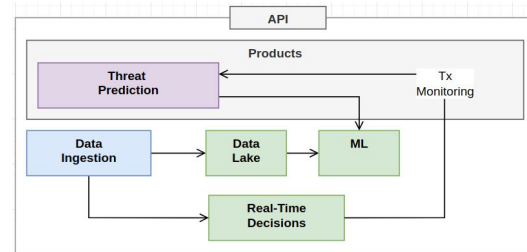
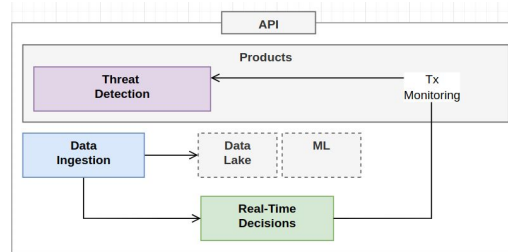
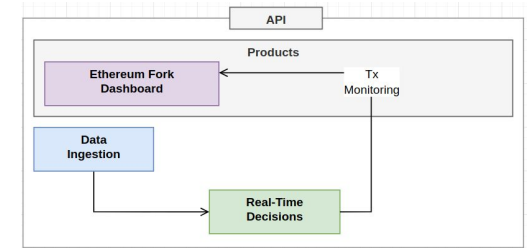
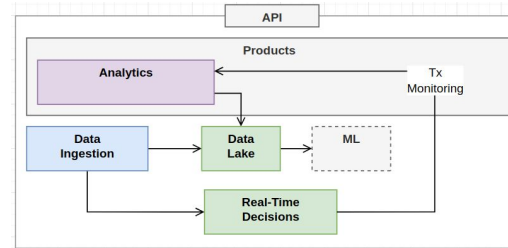
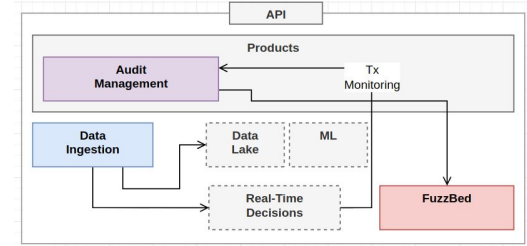
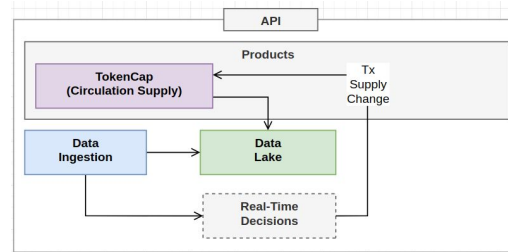
Helicopter View

- Users:
 - Investors/Analysts/Media
 - Web3 Applications
 - Tokens (Tokenomics)
 - Protocols (L1 Networks)
- Data Ingest
 - On-chain Data
 - Data feeds
 - CEX feeds
- Real-time Decision
 - Transaction Monitoring
 - Threat Detection
 - Alerts
- Data Lake for On-chain and Off-chain



Products on HaaS

- Audit Management and Audit Automation
- Real-time Threat Detection
- Real-time Analytics
- Notebook Pipelines
- Token Supply Audit
- Machine Learning Models
- Security Forensics
- Data Ponds (mini-lakes)
- Data API



🕒 Circulation Supply

📦 Job monitor

>> Transaction Monitoring

📁 Tokens

🏷️ Labels

📄 Scripts










































































































📄 ABI

🔗 Jupyter

🔍 API

< Collapse

Circulation Supply (22) tokens

Token	Chain	Address	Category	Circulation Supply	Holders
 Uniswap UNI	    	0x1f9...1f984  	Decentralize... Yield Farmi... +11	901,527,330	369,714
 Ribbon Finance RBN		0x612...1fa6b  	Structured Pr... Options +3	576,741,504	4,427
 Lido Staked Ether STETH		0xae7...7fe84  	Eth 2.0 Sta... Decentralized ... +2	4,206,248	74,009
 Kyber Network Crystal KNC	    	0xdef...97202  	Avalanche Ec... Polygon Ec... +5	224,159,182	14,544
 Balancer BAL	    	0xba1...24e3d  	Decentralized ... Governance +8	26,658,486	45,389
 Solidly SOLID		0x888...40a20  	Fantom Ecosystem		
 Ethereum ETH			Smart Contract ... Ethereum Ec...		
 Chainlink LINK	    	0x514...986ca  	Oracle Smart Contr... +15		
 Aave AAVE	    	0x7fc...ddae9  	Decentralized ... Yield Farmi... +9		
 Ethereum Name Service ENS		0xc18...f9d72  	Governance Ethereum Eco... +1		
 Polygon MATIC	   	0x7d1...febb0  	Polygon Ec... Moonbeam E... +4		
 Optimism OP		0x420...00042  	Optimism Ecosystem		
 Tether USDT	    	0xdac...31ec7  	Stablecoins USD Stablec... +13		
 USD Coin USDC	    	0xa0b...6eb48  	Stablecoins USD Stablec... +15		
 Wrapped Bitcoin WBTC	    	0x226...2c599  	Tokenized ... Wrapped-To... +12		
 WETH WETH	    	0xc02...56cc2  	Gnosis Chai... Polygon Ec... +15		
 Hacken HAI	 	0xaa9...6484c  	Business Ser... BNB Chain Ecos...		

🕒 Circulation Supply

📁 Holders

📊 Job monitor

» Transaction Monitoring

🔍 Tokens

👁 Labels

📄 Scripts

📄 ABI

🔗 Jupyter

🔍 API



Uniswap

UNI

+ Calculate

Tagged by 13 categories

Decentralized Finance (DeFi)

Yield Farming

Decentralized Exchange (DEX)

Governance

Exchange-based Tokens

Automated Market Maker (AMM)

Gnosis Chain Ecosystem

BNB Chain Ecosystem

Polygon Ecosystem

Avalanche Ecosystem

Arbitrum Ecosystem

Ethereum Ecosystem

Optimism Ecosystem

Contract

🔗 Decentralized Finance (DeFi)

0x1f9...1f984 🌱 📄

Total Supply

1,000,000,000

Inflation

0.00 %

0.00%

Price

6.18 USD

▼ -2.00%

Market Cap

5,485,728,030 USD

▼ -2.00%

Circulation Supply (06 Dec 2022)

887,603,936

89%

100%

History 06 Dec 2022 ▾

Apply

06/15/2022

05/26/2023

⊕
⊖

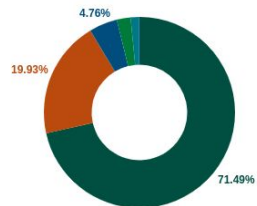
2021

2022

2023

⊖

Supply Categories (06 Dec 2022)



● Lock

71.49%

112,340,513 UNI

● CEX

19.93%

31,311,113 UNI

● erc20

4.76%

7,480,664 UNI

● uniswap-v3-pool

2.35%

3,689,975 UNI

● L2 Bridges

1.43%

2,247,518 UNI

● Funds

0.0031%

4,823 UNI

● Unsafe

0.0021%

3,274 UNI

● wrapped

0.0004%

640 UNI

● Black Holes

0.04%

55,551 UNI

● Hackers

0.0011%

1,767 UNI

Blockchains (06 Dec 2022)

< Collapse

Ethereum 🌱

Arbitrum 🌱

zkSync ↔

🕒 Circulation Supply

📦 Job monitor

» Transaction Monitoring

🪙 Tokens

🏷️ Labels

📜 Scripts

📄 ABI

🔗 Jupyter

🔍 API

Monitors (3)

Filter by

All

Sort by

Alerts

Add New +

Block: 16798438 gas=30000000

Time: 16:52:51

Block: 16798437

Tx: 0x0c4d9e6779c70355f5d10af1d747d79c5d4d5415f1d1436dca30fa9b0dc8b0111



zkSync-Blocks

Network: ⚡ zkSync Entity: Block Notify in: Websocket

Alerts: 441

Time: 18:33:22

Block: 2802627

Tx: 0x7c4fc5f042d5bb9c98cdf0bfda231d088008159362f1b509d9488e45823fa1dc
gas=4294967295 TX=4 size=0

Time: 18:33:21

Block: 2802626

Tx: 0x0c89743bc6c9ce0b385c46259e9696ebff0755ca51730f5b7b3f1468dc7155
gas=4294967295 TX=1 size=0

Time: 18:33:21

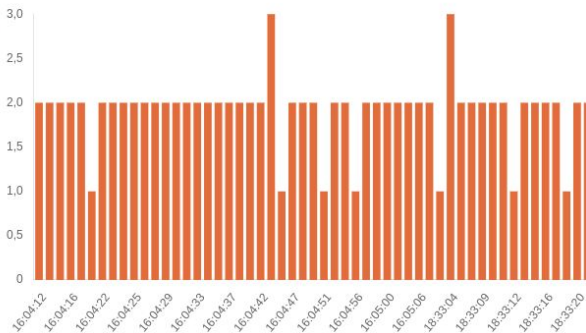
Block: 2802625

Tx: 0x0b0ba17a5044527939eaf35cf506ecd214e3ae11f2662320784629c890fe07cf
gas=4294967295 TX=2 size=0

Time: 18:33:20

Block: 2802624

Tx: 0x0f50555d8a38edf6e901585d487031d0f87e70b5cfe2500e37662754d0ee7cd44



Tx-1

Network: 🌐 Ethereum Entity: Transaction Notify in: Websocket

Alerts: 12

Time: 16:31:45

Block: 16744128

Tx: 0xa48c927d0c141685a74c5ba7395e8118e1082bcdad25a5348f061649a421b168
489 9986631772224 ETH: 0xb1d605200428394224a6356d5f7295fbc21decc0 -> 0xa9d1e08c7793af7e9d92fe308d5697fb81
d3e43

- 🕒 Circulation Supply
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- 🔗 Jupyter
- 🔍 API

Scripts

- `max_tip` - Miner Tip
- `type` - Tx type
- `gas_used_cumulative` - Cumulative gas consumed
- `gas_used` - Gas used
- `contract` - Contract code (if contract is deployed)
- `receipt_root` - Receipt root hash
- `status` - Transaction status (0 - Failed, 1 - OK)
- `price_effective` - Effective price

```
1 if(value >= 100e18) value / 1e18 + " ETH: " + from_address + " -> " + to_address; else null
```

Name: Vova custom script

Id: 20197b3cd24449129ea266772d97ea14-e8b67802ffe149c6

Ts: 13 Mar 2023 11:03

Type: `JS`

```
1 if(value >= 10e18) value / 1e18 + " ETH!!!!: " + from_address + " -> " + to_address; else null
```

Name: /store/script/script-USDT.js

Id: script-USDT.js

Ts: 03 Mar 2023 09:03

Type: `JS`

```
1 if(input != "0x" && token=="USDT") {  
2 //if(input != "0x" ) {  
3 token + ", " + value / 10e6 + " , " + from_address + " -> " + to_address  
4 }  
5 else  
6 null  
7
```










Name: Test 2

Id: ce3abf72145c15a89f0f8052f297aac06eb594bd93d767e3a2eaf7a15a08984

Ts: 09 Mar 2023 12:03

Type: `JS`

















```
1 if(value >= 10e18) value / 1e18 + " ETH: " + from_address + " -> " + to_address; else null
```

-  Circulation Supply
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-  Tokens
-  Labels
-  Scripts
-  ABI
-  Jupyter
-  API

Labels

Q Enter tag name

+ Add new label

<input type="checkbox"/>	Cat	Id	Tags	Ts
<input type="checkbox"/>	Hackers	0xfdf5c88...e780de17a4  	phish-hack	05 Dec 2020
<input type="checkbox"/>	erc20	0x73474d0a...9de6ab8738  	METANOA	11 Dec 2020
<input type="checkbox"/>	erc20	0x224db5e6...8b83879770  	QM Lira	11 Dec 2020
<input type="checkbox"/>	Unsafe	0x68a335b5...		03 Dec 2020
<input type="checkbox"/>	Unsafe	0x4219d578...		03 Dec 2020
<input type="checkbox"/>	Hackers	0x40c69576...		05 Dec 2020
<input type="checkbox"/>	Hackers	0x25dc5894...		11 Dec 2020
<input type="checkbox"/>	erc20	0x314bd765...		11 Dec 2020
<input type="checkbox"/>	Contracts	0x2da35901...		11 Dec 2020
<input type="checkbox"/>	uniswap-v3-pool	0x23b4fb7a...		11 Dec 2020
<input type="checkbox"/>	Hackers	0x2ea8449b...f163326ac3  	phish-hack	05 Dec 2020
<input type="checkbox"/>	Hackers	0x1e102311...2afa3b6186  	Ponzi Scheme Contract Creator	11 Dec 2020
<input type="checkbox"/>	erc20	0x94dfd4e2...d9da6640f8  	Sphynx ETH	11 Dec 2020
<input type="checkbox"/>	uniswap-v3-pool	0x46dbe096...edb76218aa  	Uniswap V3: Pool	11 Dec 2020
<input type="checkbox"/>	Hackers	0xa196a0d8...29a233d211  	phish-hack	05 Dec 2020

Add new label



Address *

Category



Tags

Create

Showing 1 - 100 of 33279

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- 📄 Scripts
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- 🔗 Jupyter
- 🔍 API

Contract Function **Event**

Q Transf

×

hex

tex

0xe15729a2f427aa4572dab35eb692c902fcbce57d41642013259c741380809ae2	Transfer(uint256,(address,address,uint256)[])
0xe15729a2f427aa4572dab35eb692c902fcbce57d41642013259c741380809ae2	Transfer(uint256,(address,address,uint256)[])
0x3a4ae9b4ea1bf8a979b680539a725b9126ae401e09b462a4d21beacb39dd1ab3	TRANSFER_ADDRESS(uint256,address,address)
0xdxd9382aa37fb5e79f0a89924121fe11849a5759acc1b7319bb36f9e666901e2	transfer_attention_tg_invrmu_f4889e8(address,address,uint256)
0xf13e04b23d974c25e9a04485e7841430313a242686b628c482595bb2169c26d2	TransferIncEther(address,uint256)
0xf13e04b23d974c25e9a04485e7841430313a242686b628c482595bb2169c26d2	TransferIncEther(address,uint256)
0xc20f5110745c268bbca207b5b754fe4419b9c4bea8b21a8cb4f67447a9b2221b	Transfer(address,address,uint256,uint256,string,string,string)
0x631ee1e3b1086d4c1db5ff7c5beaa156b9bc2a6c1184815ce55edaffc2fe0373	transferTaxUpdated(uint256)
0xf2695482640e27671365a31e43bafd16e7ad3bc40db219925e29c9d6ac883fa0	TransferFromAdmin(string,address,uint256)
0xc598a2deca6085586601cf5fb3e7a5d71323d40d46f3704dafb189c31ee380f1	TransferDebug(string,uint256)
0xc598a2deca6085586601cf5fb3e7a5d71323d40d46f3704dafb189c31ee380f1	TransferDebug(string,uint256)
0x7ce079a7368fef2ec81ee4e6ea22fd1aa85d8c4ecbdce06362d8d3a67c89afd2	TransferDetailBeforeReflection(uint256,uint256,uint256,uint256,uint256,uint256,uint256)
0x7ce079a7368fef2ec81ee4e6ea22fd1aa85d8c4ecbdce06362d8d3a67c89afd2	TransferDetailBeforeReflection(uint256,uint256,uint256,uint256,uint256,uint256,uint256)
0xacd1e653b9118915cdadc6f0333cc5d49a9b28b4272d615653e6b5ea8aeae76a	Transferred(uint256,address,address)
0xbb1d109694da1f57c795e648cd08cfff17024c10216d0c583badbd33ed32494c	TransferMade(address,uint256)

Showing 1 - 50 of 567

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Circulation Supply

Job monitor

Transaction Monitoring

Tokens

Labels

Scripts

ABI

Jupyter

API

Collapse

File Edit View Run Kernel Tabs Settings Help

+

Filter files by name

/ work / andrii /

Name	Last Modified
old	2 months ago
allocation.i...	8 hours ago
circulation-...	19 days ago
compound...	a month ago
ContractD...	9 days ago
day_block...	a month ago
holders-pe...	a month ago
multichain...	8 days ago
nft-transfer...	20 days ago
price_coin...	2 months ago
single-chai...	19 days ago
stefan_col...	3 months ago
token-deci...	3 months ago
Untitled.ip...	2 months ago
Untitled1.i...	20 days ago

```
[24]: token_id = 'uniswap'

from_date_input = '2023-01-01'
to_date_input = '2023-01-03'

token_addresses = {'ethereum': '0x1f9840a85d5af5bf1d1762f925bdaddc4201f984',
                    'optimism': '0x6fd9d7ad17242c41f7131d257212c54a0e816691'}

allocation_addresses = {'0x4b4e140d1f31fda6b59c13af796fd194e4135': 'Uniswap Protocol: Treasury Vester 3',
                        '0x3d30b1ab88d487b0f3061f40de76845bec3f1e94': 'Uniswap Protocol: Treasury Vester 4'}
```

```
[25]: from datetime import *
from decimal import *
import csv
import io
import json
from botocore.errorfactory import ClientError

zero = 0
bucket_name = "haas-data-dev"

import boto3
from botocore.errorfactory import ClientError
s3 = boto3.client('s3')
print("Boto3 ready.")

from_date = date.fromisoformat(from_date_input)
to_date = date.fromisoformat(to_date_input)

# normailse input, addresses to lower case
token_addresses = {chain: str(address.lower()) for chain, address in token_addresses.items()}

allocation_addresses = {str(addr.lower()): tag for addr, tag in allocation_addresses.items()}

Boto3 ready.
```

```
[26]: allocation_addresses
```


```
[26]: {'0x4b4e140d1f31fda6b59c13af796fd194e4135': 'Uniswap Protocol: Treasury Vester 3',
      '0x3d30b1ab88d487b0f3061f40de76845bec3f1e94': 'Uniswap Protocol: Treasury Vester 4'}
```

```
[35]: ### load holders
def read_holders_for_date(chain, token_address, day):
    holders_schema = "address string, quantity string"
    day_str = day.strftime('%Y/%m/%d')
    holders_path = f"data/dev/{chain}/token/{token_address}/holders/{day_str}/holders"

    holders = {}
    if not file.exist(bucket_name, holders_path):
        return holders
```

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Please read the privacy policy.

[Open privacy policy](#) Yes No

 Circulation Supply Job monitor

>> Transaction Monitoring

 Tokens Labels Scripts ABI Jupyter API

Job monitor
















Create new Job

Token not selected

Use search to select a token for job execution.

To activate search click on search input above or press 'CTRL + F'

History

XID	ID	Name	Result	State	Created	Started	Complete
402	b0...23c 	uniswap-a.kashcheyev@hacken.io			2023 May 19 16:11:35	2023 May 19 16:12:18	2023 May 19 16:15:52
380	26...b3c 	uniswap-a.kashcheyev@hacken.io			2023 May 17 21:54:22	2023 May 17 21:55:01	2023 May 18 01:20:07
377	4f...de2 	uniswap-a.kashcheyev@hacken.io			2023 May 17 11:57:47	2023 May 17 11:58:25	2023 May 17 15:29:08
376	6c...956 	uniswap-a.kashcheyev@hacken.io			2023 May 17 11:51:36	2023 May 17 11:52:14	2023 May 17 11:53:04
373	b0...2b5 	uniswap-a.kashcheyev@hacken.io			2023 May 16 17:34:40	2023 May 16 17:35:24	2023 May 16 19:49:40

<< < 1 2 3 4 > >>

MVP

<https://haas.demo.hacken.cloud>