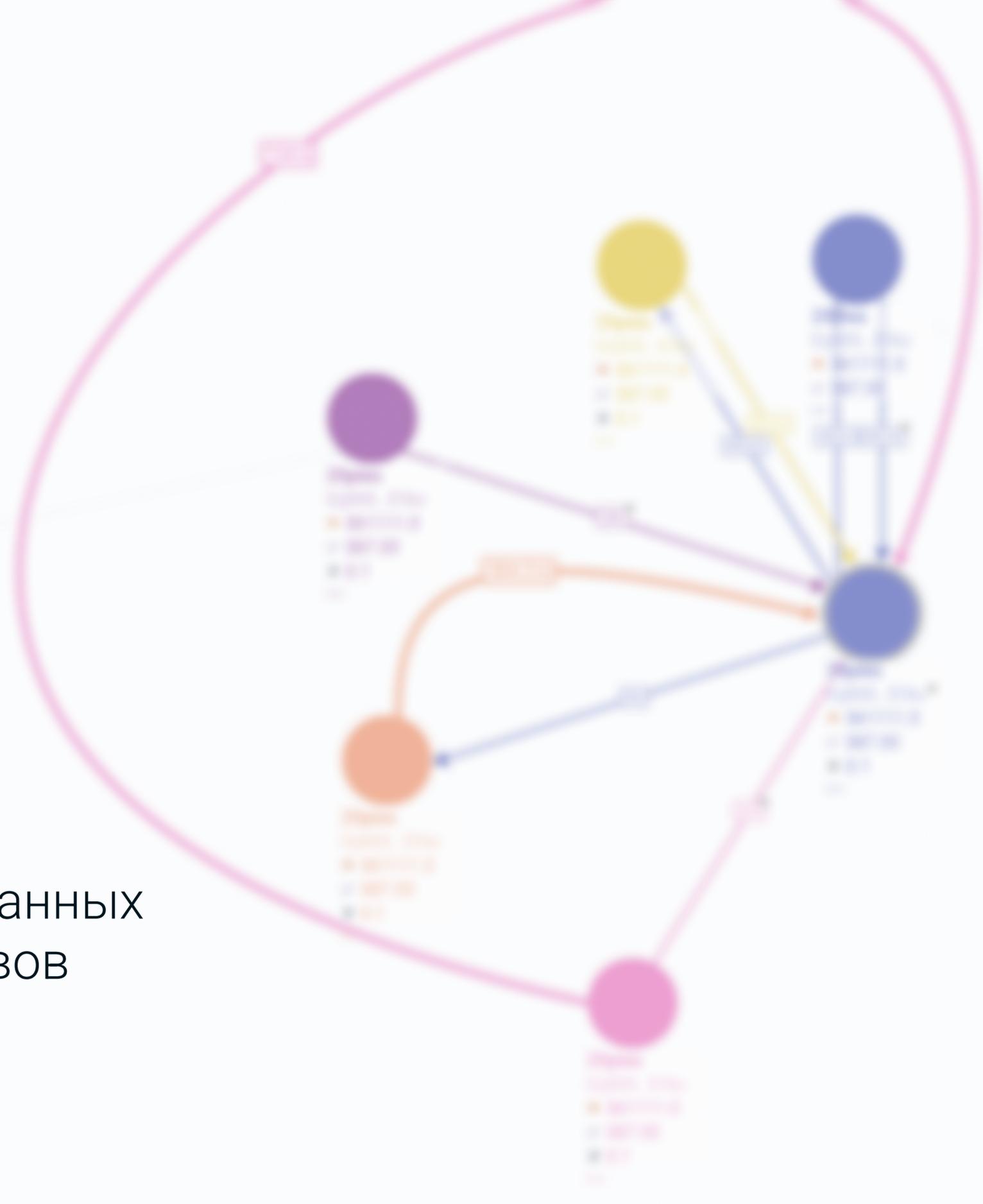




[AMLCRYPTO.IO](https://amlcrypto.io)

# Аналитика блокчейна с помощью Qlik Sense

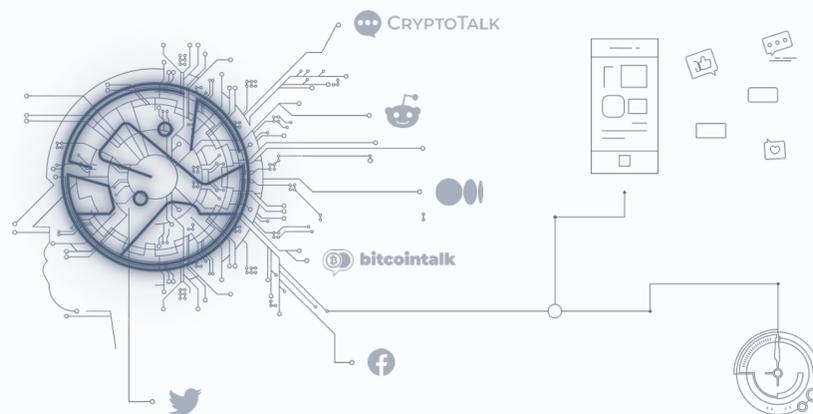
Видеть аномалии в закономерностях данных  
и расследовать воровство криптоактивов



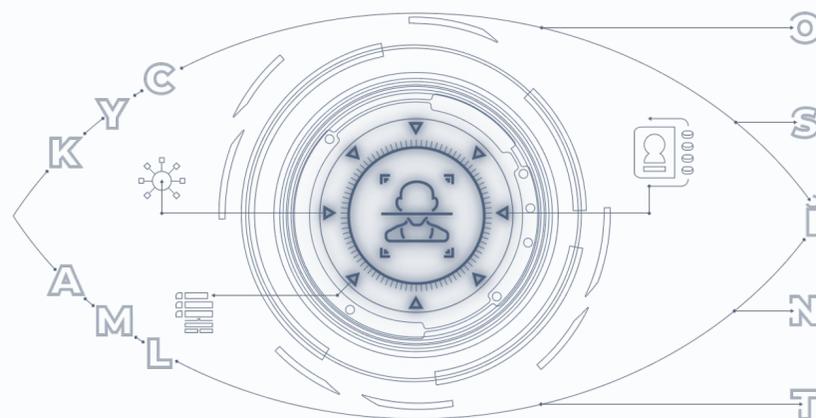


# ДЕЛАЕМ ЛЮБОЙ БЛОКЧЕЙН ПРОЗРАЧНЫМ

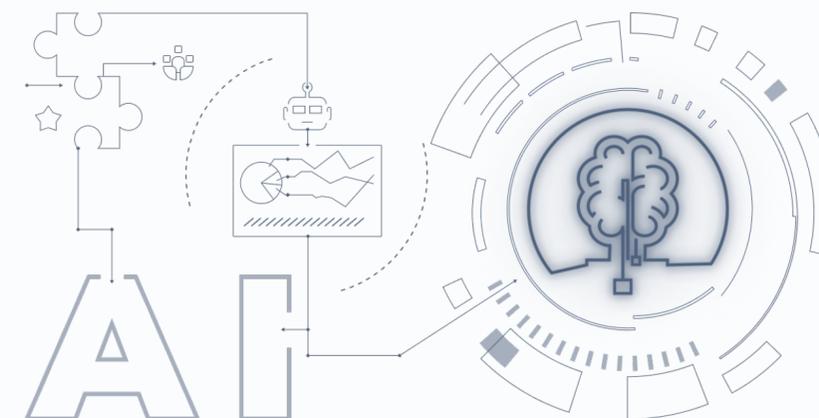
АНАЛИТИКА  
ПОЛЬЗОВАТЕЛЕЙ



РАЗВЕДКА ПО ОТКРЫТЫМ  
ИСТОЧНИКАМ



ИСКУССТВЕННЫЙ  
ИНТЕЛЛЕКТ



В 2021 году мировой  
объем данных составил

\$ **215,7** МЛРД

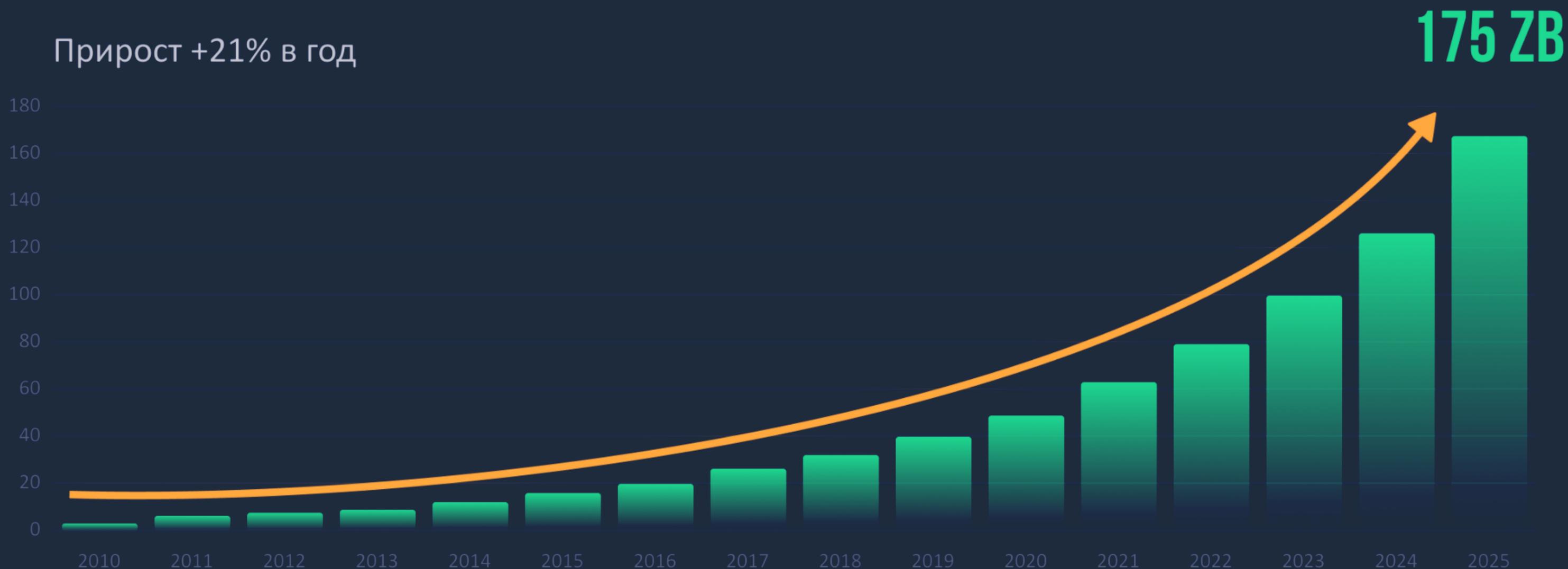
≈ **65** ЗЕТТАБАЙТ

согласно отчету International Data Corporation (IDC)

К 2025 году мировой  
объем данных увеличится

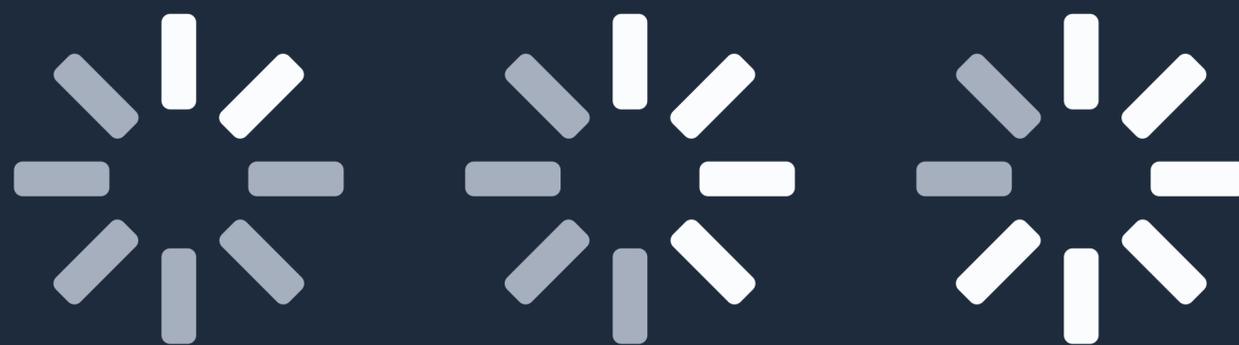
**В 3 РАЗА**

Прирост +21% в год





Какую же долю  
рынка данных может занимать  
блокчейн аналитика?!





**\$0.9 ТРЛН**

объем рынка криптовалюты

**106+ МЛН**

пользователей

**17 ТЫС**

криптомонет

Так зачем использовать  
аналитику при работе  
с блокчейн проектами?



Sum losses (usd)

35,74G

Quantity losses (pcs)

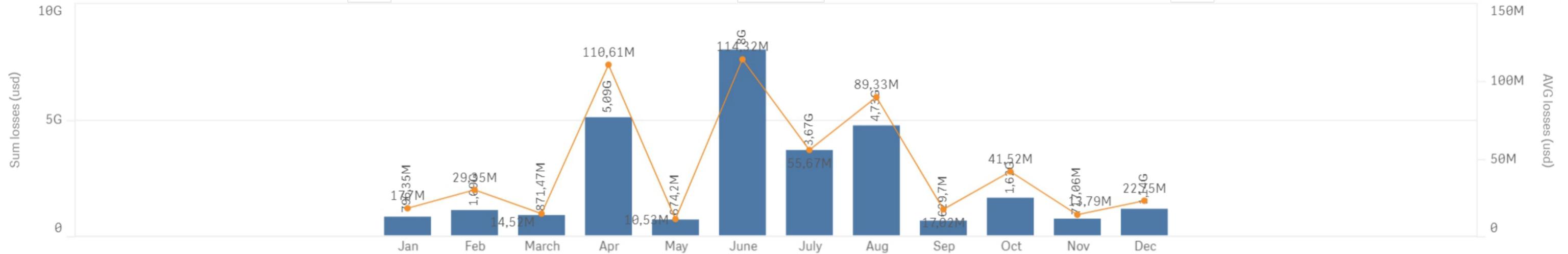
669

AVG losses (usd)

53,43M

Median losses (usd)

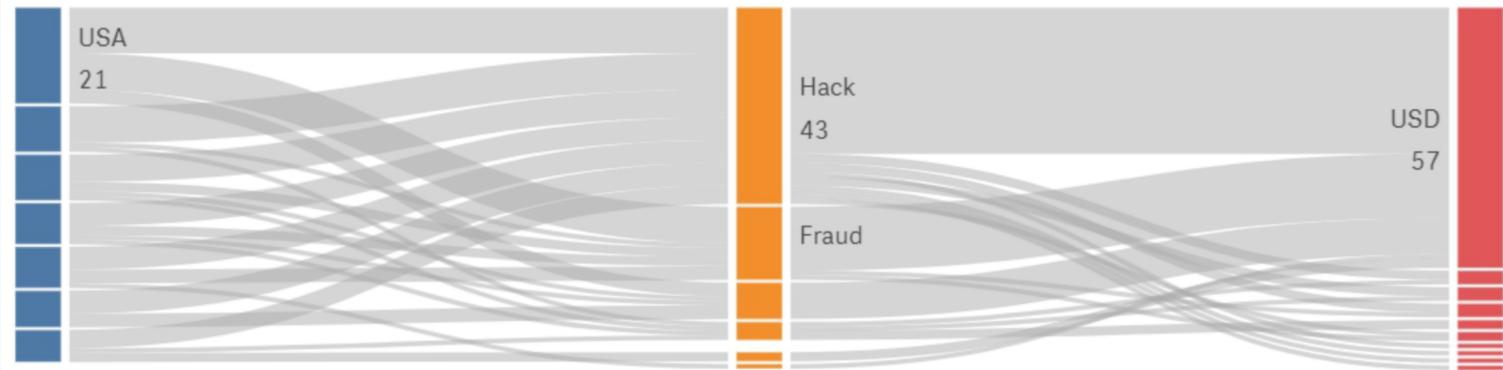
850k



Incidents by COUNTRY

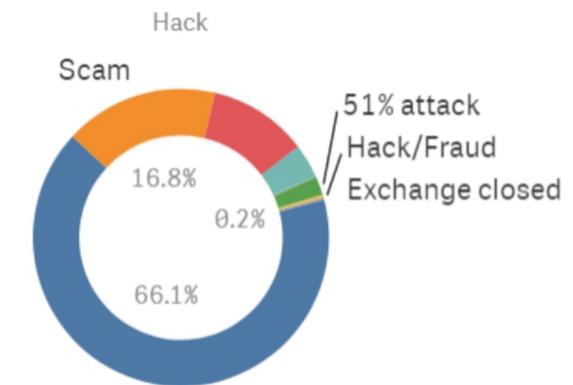
Incidents by CURRENCY

Country TOP 7



QUANTITY per Type losses

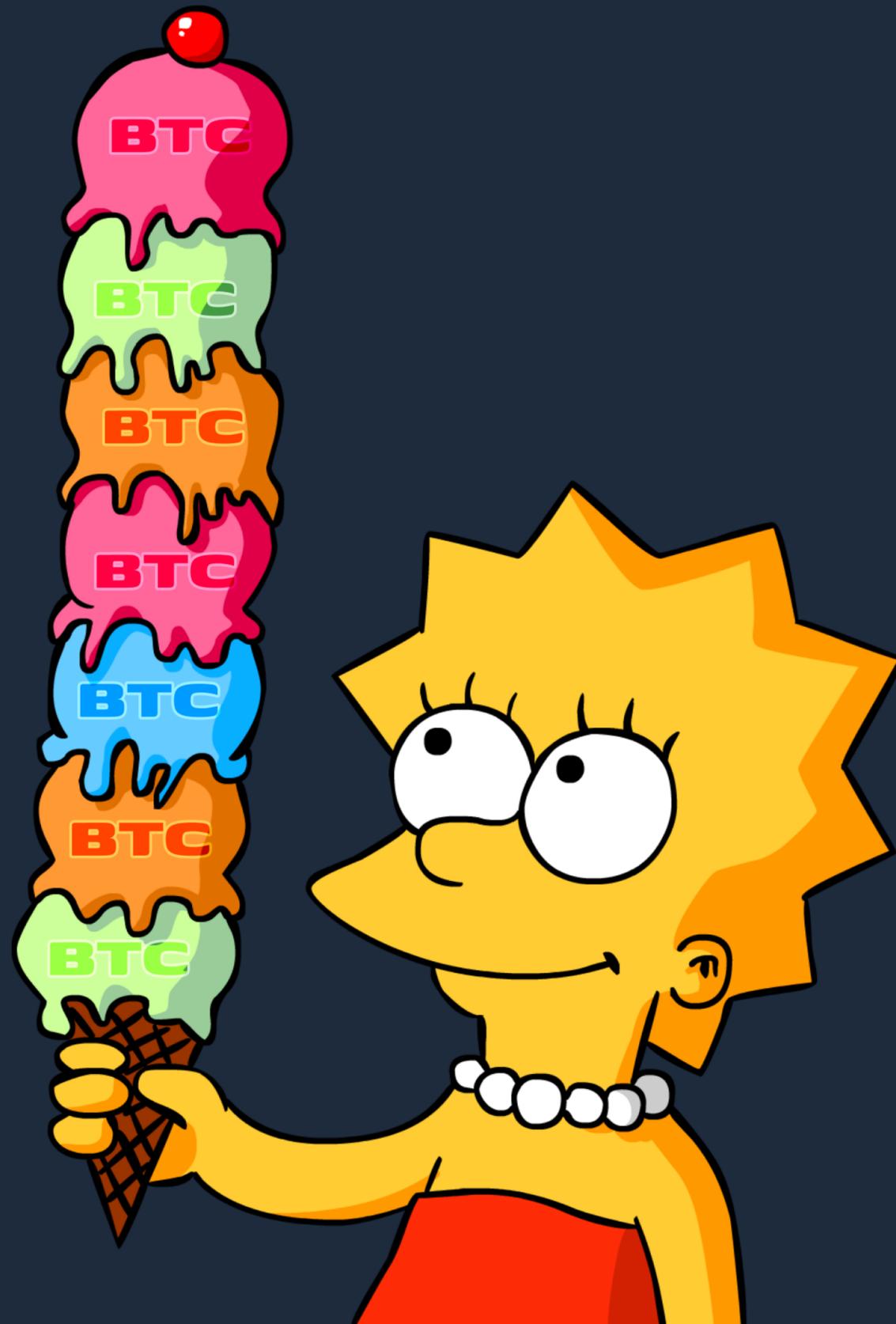
SUM per Type losses



Project	Loss	Currency	Exchange rate	Hack	sum(Volume)	Date losses	Country	Link
<b>Итоги</b>					<b>35 741 622 298</b>			
Metaconz	12	ETH	\$3 043,28	Hack	36 215	16.04.2022	Global	<a href="https://hacked.slowmist.io/?c=&amp;page=6">https://hacked.slowmist.io/?c=&amp;page=6</a>
Twitter	13	BTC	\$9 132,23	Hack	117 440	16.07.2020	Unknown	<a href="https://hacked.slowmist.io/?c=&amp;page=26">https://hacked.slowmist.io/?c=&amp;page=26</a>
Ribbon Finance	17	BTC	\$21 056,22	Hack	347 428	24.06.2022	Global	<a href="https://hacked.slowmist.io/?c=&amp;page=2">https://hacked.slowmist.io/?c=&amp;page=2</a>
Curve	20	BTC	\$11 384,18	Hack	227 684	11.10.2020	Global	<a href="https://hacked.slowmist.io/?c=&amp;page=24">https://hacked.slowmist.io/?c=&amp;page=24</a>
dBet Games	25	FOS	\$3.75	Hack	93	20.03.2019	Global	<a href="https://hacked.slowmist.io/?c=&amp;page=32">https://hacked.slowmist.io/?c=&amp;page=32</a>

Допустим, вы  
пользователь...

**КРИПТО  
ВАЛЮТ**





И мошенник украл  
у вас средства!

**ЧТО БУДЕМ  
ДЕЛАТЬ?**

# The Ethereum Blockchain Explorer

All Filters ▼ Search by Address / Txn Hash / Block / Token / Ens 🔍

<b>ETHER PRICE</b> \$2,417.21 @ 0.07638 BTC (-1.13%)	<b>TRANSACTIONS</b> 1,569.24 M (13.7 TPS)	<b>MED GAS PRICE</b> 55 Gwei (\$2.79)	<b>ETHEREUM TRANSACTION HISTORY IN 14 DAYS</b>
<b>MARKET CAP</b> \$287,660,974,379.00	<b>DIFFICULTY</b> 14,087.00 TH	<b>HASH RATE</b> 1,090,424.58 GH/s	

### Latest Blocks

Bk	14754780 25 secs ago	Miner Miner: 0xab3...83a 61 txns in 6 secs	2.01443 Eth
Bk	14754779 31 secs ago	Miner Miner: 0x646...087 68 txns in 6 secs	2.07205 Eth
Bk	14754778 37 secs ago	Miner Ethermine 167 txns in 2 secs	2.11251 Eth
Bk	14754777 39 secs ago	Miner MiningPoolHub 51 txns in 4 secs	2.01109 Eth
Bk	14754776 43 secs ago	Miner Miner: 0x6eb...31a 72 txns in 4 secs	2.02488 Eth
Bk	14754775 47 secs ago	Miner SBI Crypto Pool 39 txns in 11 secs	2.00828 Eth

[View all blocks](#)

### Latest Transactions

Tx	0x9f4ea8cd9cf91... 25 secs ago	From 0x00192fb10df37c9fb26... To 0xd2ac2048b8a8519949...	0.06394 Eth
Tx	0x357282cf4b6dc... 25 secs ago	From 0x00192fb10df37c9fb26... To 0x8efb4fb75b50ba313cb...	0.06848 Eth
Tx	0x2359ae5a5a7b... 25 secs ago	From 0x00192fb10df37c9fb26... To 0x8e920fbca8a236768a...	0.06886 Eth
Tx	0xea63bed136a5... 25 secs ago	From 0x00192fb10df37c9fb26... To 0xb3d998c01fff7a0d0d2...	0.07502 Eth
Tx	0x76e4f77333e7... 25 secs ago	From 0x00192fb10df37c9fb26... To 0xbd1eb20c252e149144...	0.07832 Eth
Tx	0xd3479c35d4c0... 25 secs ago	From 0x00192fb10df37c9fb26... To 0x2ae2e8dc5f6933596d...	0.07562 Eth

[View all transactions](#)

Address 0xA4e5961B58DBE487639929643dCB1Dc3848dAF5E



Buy

Exchange

Earn

Gaming

Overview

Balance: 10.062687605723268797 Ether

Value: \$24,084.54 (@ \$2,393.45/ETH)

Token: \$16.54 21

More Info

More

My Name Tag: Not Available, [login to update](#)

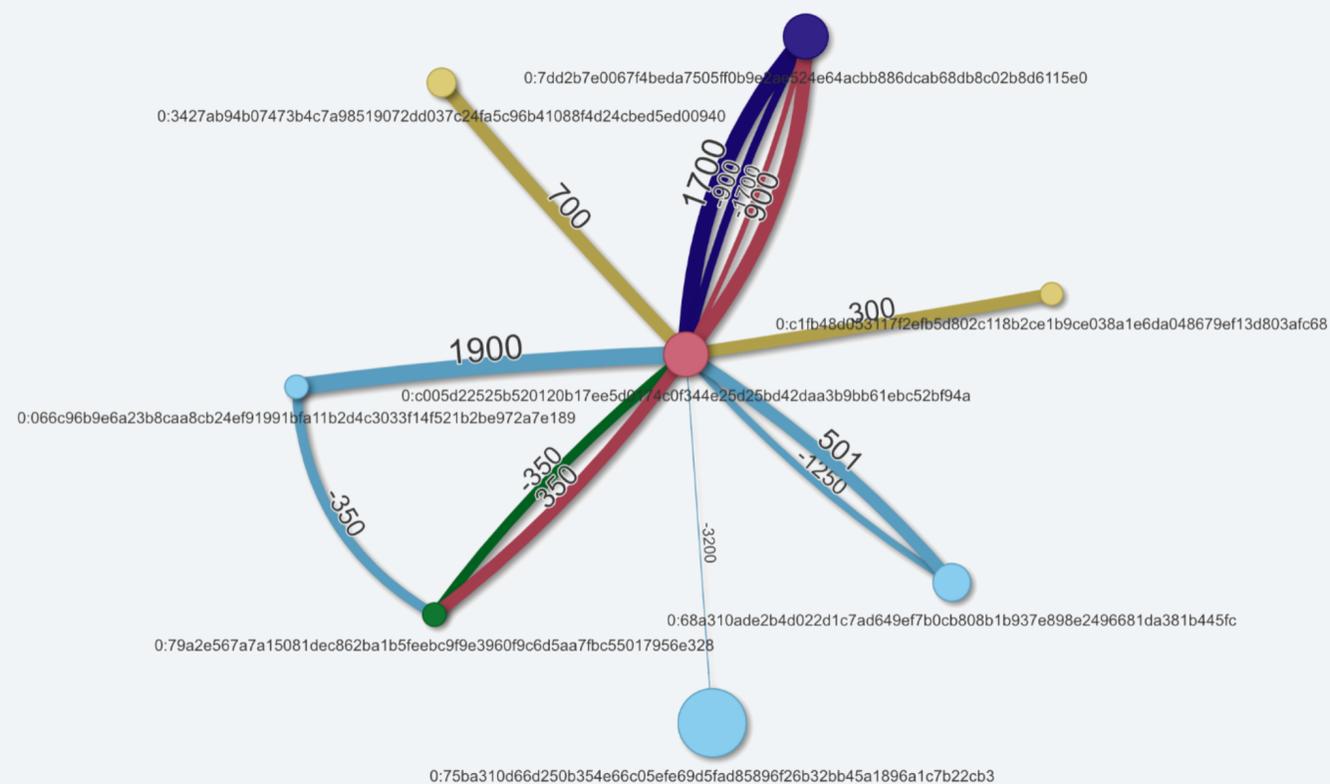
Transactions Erc20 Token Txns Analytics Comments

Latest 25 from a total of 1,105,753 transactions

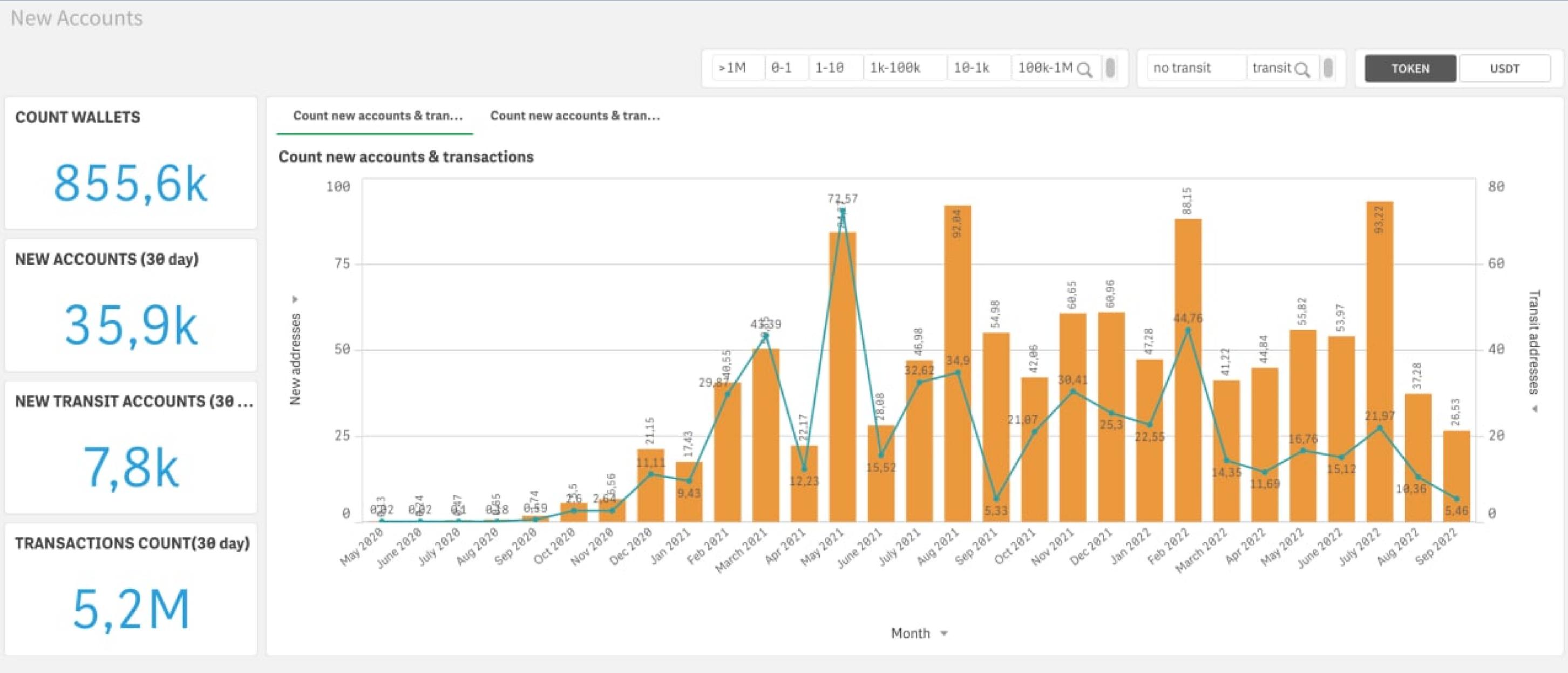
(> More than 25 Pending Txns)

Txn Hash	Method	Block	Age	From	To	Value	Txn Fee
<a href="#">0xd87b301676a8975f3b...</a>	Transfer	(pending)	15 secs ago	0xa4e5961b58dbe48763...	OUT <a href="#">0xcc607684423ab2413c...</a>	0.00938 Ether	(Pending)
<a href="#">0x8a98eee64b454d20a7...</a>	Transfer	(pending)	15 secs ago	<a href="#">0x4dcb6d384d18c791ea...</a>	IN 0xa4e5961b58dbe48763...	0.00582277 Ether	(Pending)
<a href="#">0x31383c0862d095ea54...</a>	Transfer	(pending)	15 secs ago	<a href="#">0x60f466d2d646a2ee82...</a>	IN 0xa4e5961b58dbe48763...	0.00527308 Ether	(Pending)
<a href="#">0x1fd1ec8c2ed10550a6f...</a>	Transfer	(pending)	23 secs ago	0xa4e5961b58dbe48763...	OUT <a href="#">0x0c8de779d4987389f8...</a>	0.0076006 Ether	(Pending)
<a href="#">0xc7f536a97d23f6e992a...</a>	Transfer	(pending)	23 secs ago	<a href="#">0xbe1d24f7cf9102fdc1a...</a>	IN 0xa4e5961b58dbe48763...	0.00538919 Ether	(Pending)
<a href="#">0x6cb5b548b43e1c63d5...</a>	Transfer	(pending)	31 secs ago	<a href="#">0x6403e77bd0e1e49b93...</a>	IN 0xa4e5961b58dbe48763...	0.00586249 Ether	(Pending)
<a href="#">0xdff25bd585706148c38...</a>	Transfer	(pending)	31 secs ago	<a href="#">0x19568d35f9a635d030...</a>	IN 0xa4e5961b58dbe48763...	0.00594551 Ether	(Pending)
<a href="#">0x84ef394de2650e55b4...</a>	Transfer	(pending)	1 min ago	0xa4e5961b58dbe48763...	OUT <a href="#">0xcc607684423ab2413c...</a>	0.00938 Ether	(Pending)

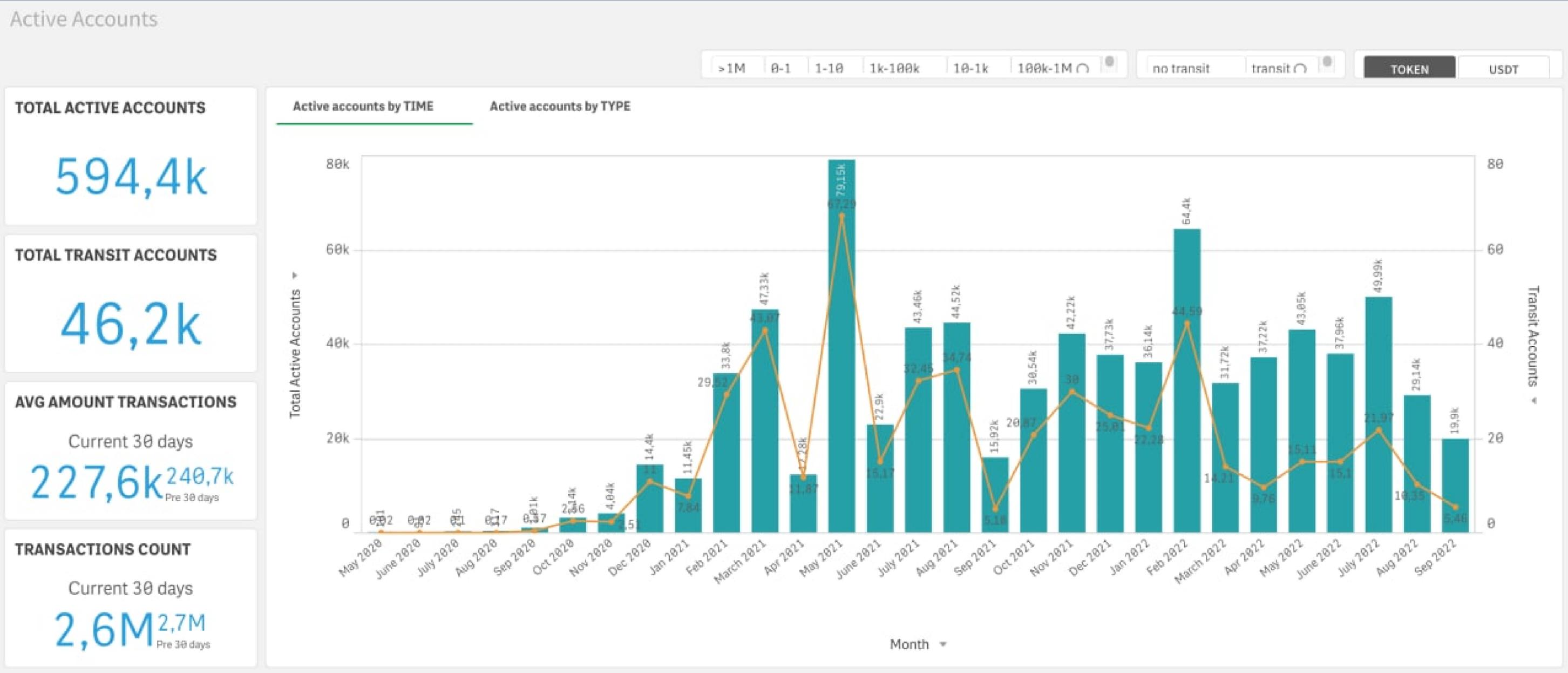
В стандартных платформах для аналитики данных нам не хватило только удобного графа связей...



Сначала смотрим верхнеуровне на один из блокчейнов, выявляем закономерности



Сначала смотрим верхнеуровне на один из блокчейнов, выявляем закономерности





# Погружаемся в детали транзакций, совершенствуем алгоритм

ADDRESS: 0x... WATCH REPORT FRAUD

Overview Transfers OSINT Mentions

OWNER: [redacted] TYPE: User

COMMENT: тут пользователь самостоятельно может указать какой-то комментарий...

SOURCE

Name	Source	Comment	Proof	Author	SPAM
[redacted]	Forum.freelon.org	Parsing forum	[redacted]	...	X
[redacted]	everwhois	Chrome Extensions for everscan	[redacted]	...	✓

ASSETS: 3 391 USDT

**Farming**

Waver + USDC: 1698

**EverDAO**

Voting waver: 7000

**Wallet**

Ever: 298  
USDT: 100

DATE ACTIVATION: 2020-12-24 23:45:21

LAST TRANSACTION: 2022-03-09 08:34:55

RISK-SCORE: 5%

BALANCE: 3 391 USDT

AFFILIATE

Affiliate Type	Match	Affiliate user / address
Transaction	Coinexl.com	[redacted]
Payload	gate.io	[redacted]
IP	130.211.49.144	[redacted]
OSINT research	Research	[redacted]

ADDRESS: 0x... WATCH REPORT FRAUD

Overview Transfers OSINT Mentions

INCOMING

Total (USDT): 23 986

Transfers: 108

Counterparties: 41

OUTGOING

Total (USDT): 20 233

Transfers: 200

Counterparties: 121

TYPE: ADDRESS

From	To	Value	Token	First transaction	Last transaction
0x...	0x...	1,077,441,859.00	USDT	2022-03-09 08:34:55	2022-03-09 08:34:55
0x...	0x...	547,441,859.00	USDT	2022-03-09 08:34:55	2022-03-09 08:34:55
0x...	0x...	77,441,859.00	USDT	2022-03-09 08:34:55	2022-03-09 08:34:55
0x...	0x...	0,441,859.00	USDT	2022-03-09 08:34:55	2022-03-09 08:34:55

TOTAL: DETAIL

ADDRESS: 0x... WATCH REPORT FRAUD

Overview Transfers OSINT Mentions

Previous update: 31.08.2022 08:43:15

NICKNAMES: [redacted]

PHONE: [redacted]

E-MAIL: [redacted]

PROBABLE REGION: Russia (Moscow (58), St-Petersburg (315)), Ukraine (Kiev)

IP: [redacted]

SOCIAL NETWORKS: Facebook, Telegram, Instagram, V Kontakte, Other

PHOTO (TG / SOCIAL NETWORK): [redacted]

TELEGRAM INFO: History name in TG, Telegram groups in which the user is spotted, What and how often the user was interested in TG

ADDRESS: 0x... WATCH REPORT FRAUD

Overview Transfers OSINT Mentions

MENTIONED ON THE INTERNET MENTIONS FROM DATASETS

<https://forum.freelon.org> > pro... > Перевести эту страницу  
Proposed candidates for the use of DeNS and governance token ...

<https://forum.everscale.network> > ... > Перевести эту страницу  
Proposal: Introduction to the smart contract for voting # 28

<https://scale.domains> > expired > Перевести эту страницу  
DeNS by SuperArmor - Everscale Domains

MENTIONED ON THE INTERNET MENTIONS FROM DATASETS

Связь по (тип)	Известное значение	Тип нового значения	Новое значение
Telegram никнейм	[redacted]	Телефон	[redacted]
Телефон	[redacted]	Адрес	[redacted]
Телефон	[redacted]	Место работы	[redacted]
Телефон	[redacted]	Автомобиль	[redacted]





Спасибо за внимание!

[AMLCRYPTO.IO](https://AMLCRYPTO.IO)

