







Assets



BTC



ETH



XRP



LINK



XLM



USDT



USDT\_ETH



USDT\_TRX



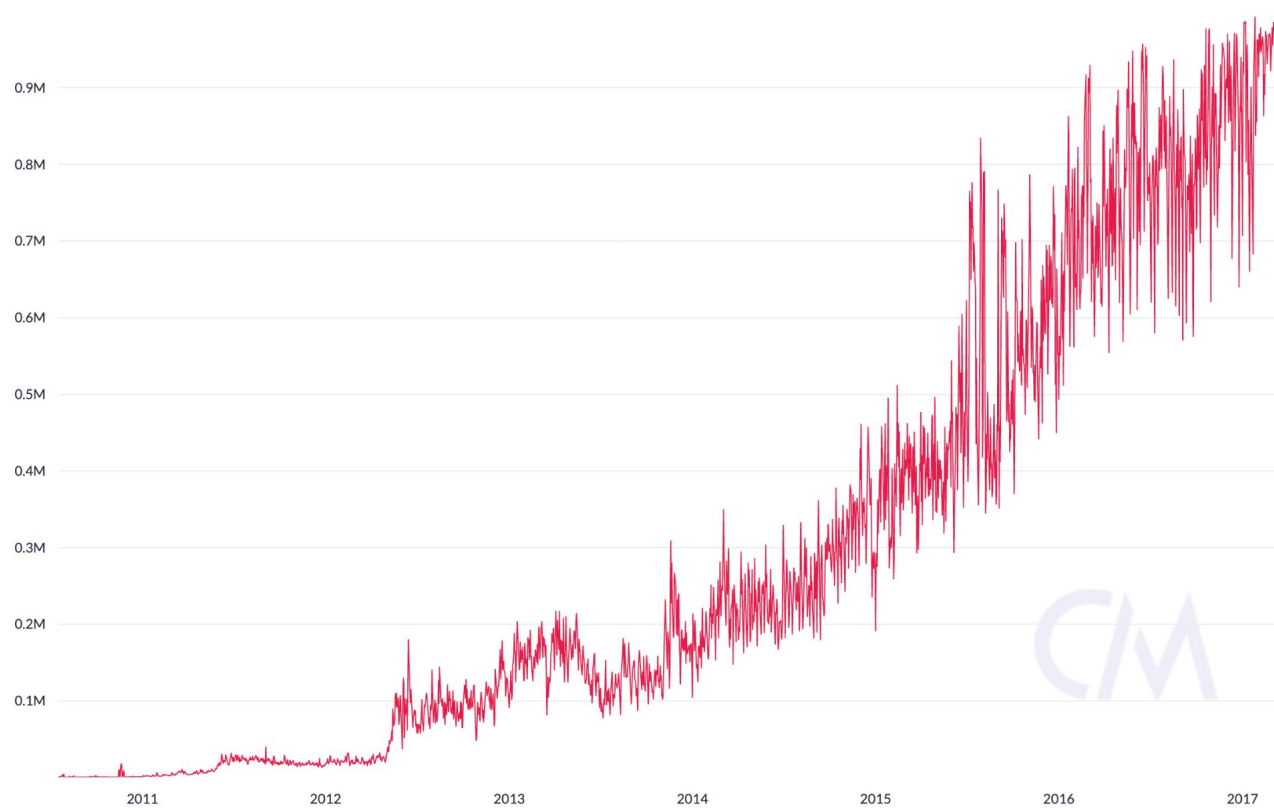
Metrics



PriceUSD



BlkSizeMeanByte



Lin Log

No avg 

All

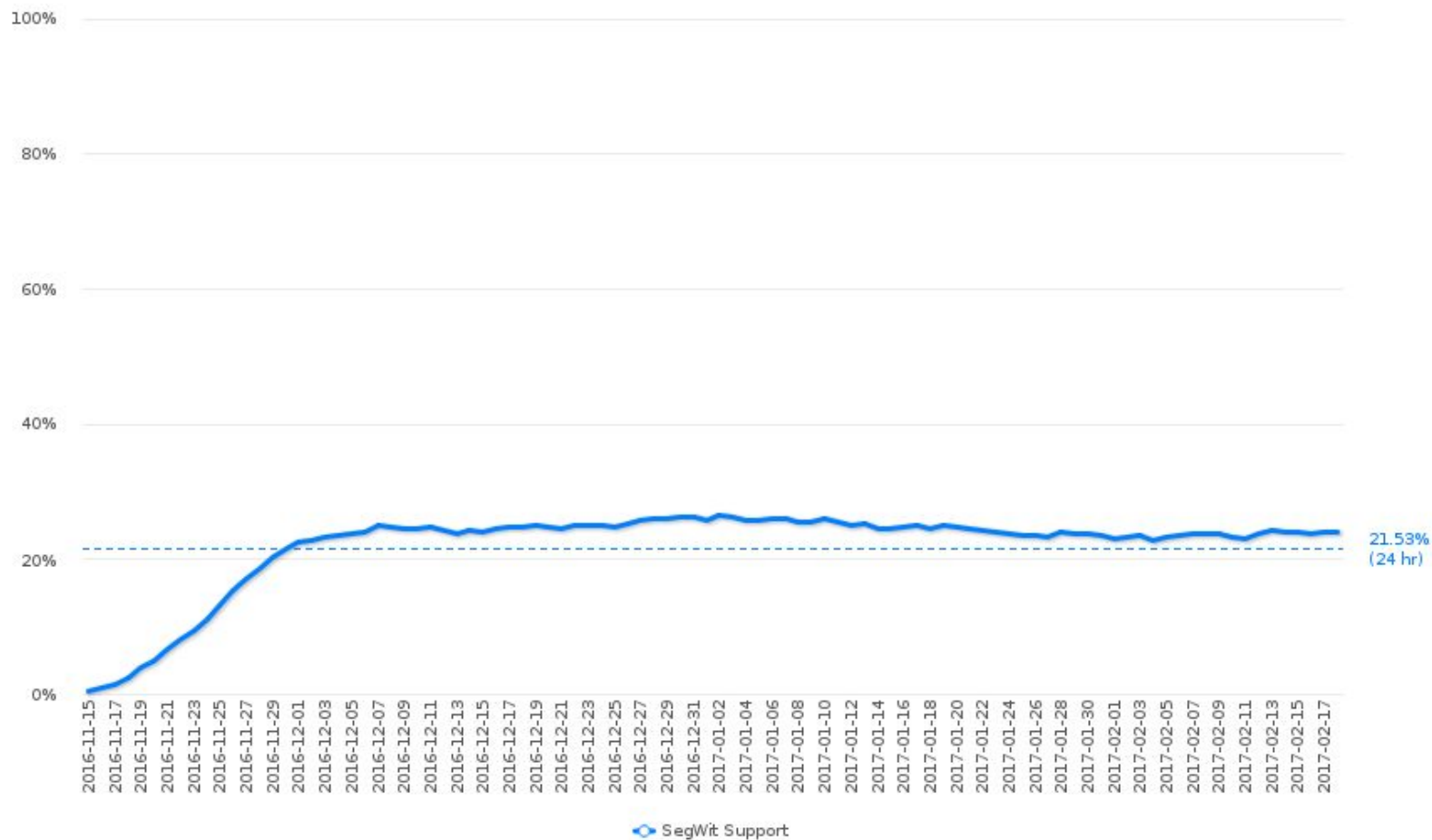
1M

3M

1Y

YTD

# Bitcoin Proposal Support (historical | last 2016 blocks) coin.dance



100%

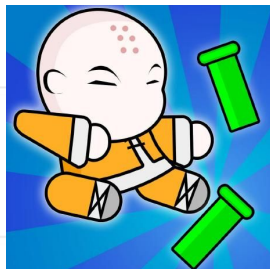
80%

60%

40%

20%

0%



## [bitcoin-dev] Moving towards user activated soft fork activation

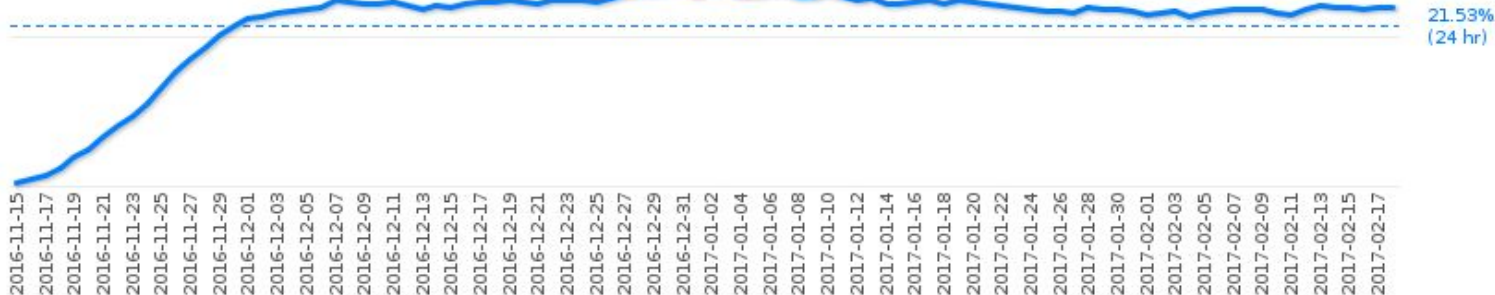
shaolinfry [shaolinfry\\_at\\_protonmail.ch](mailto:shaolinfry_at_protonmail.ch)

Sat Feb 25 23:55:51 UTC 2017

- Previous message: [\[bitcoin-dev\] SHA1 collisions make Git vulnerable to attacks by third-parties, not just repo maintainers](#)
- Next message: [\[bitcoin-dev\] Moving towards user activated soft fork activation](#)
- Messages sorted by: [\[date\]](#) | [\[thread\]](#) | [\[subject\]](#) | [\[author\]](#)

**“...the signaling methodology is widely misinterpreted to mean the hash power is voting on a proposal and it seems difficult to correct this misunderstanding in the wider community...”**

**...soft forks rules are actually always enforced by the nodes, not the miners.”**



21.53%  
(24 hr)

100%

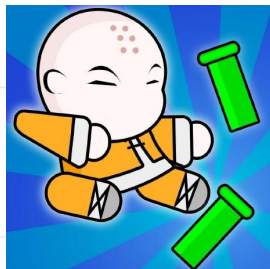
80%

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## [bitcoin-dev] Moving towards user activated soft fork activation

shaolinfry [shaolinfry\\_at\\_protonmail.ch](mailto:shaolinfry_at_protonmail.ch)

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**“...the signaling methodology is widely misinterpreted to mean the hash power is voting on a proposal and it seems difficult to correct this misunderstanding in the wider community...”**

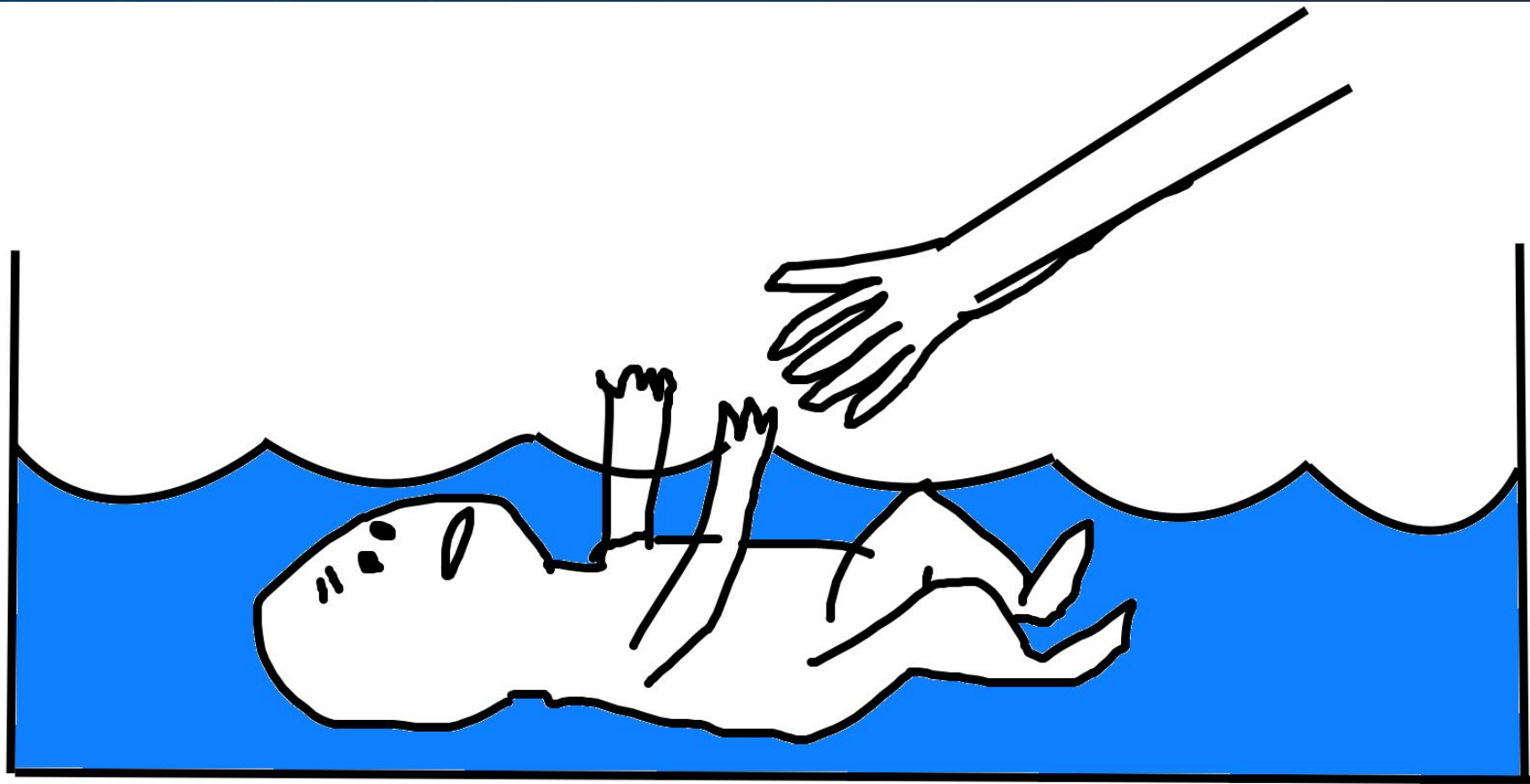
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# UASF

21.53%  
(24 hr)

2016-11-15  
2016-11-17  
2016-11-19  
2016-11-21  
2016-11-23  
2016-11-25  
2016-11-27  
2016-11-29  
2016-12-01  
2016-12-03  
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2017-01-12  
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2017-01-22  
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2017-02-17

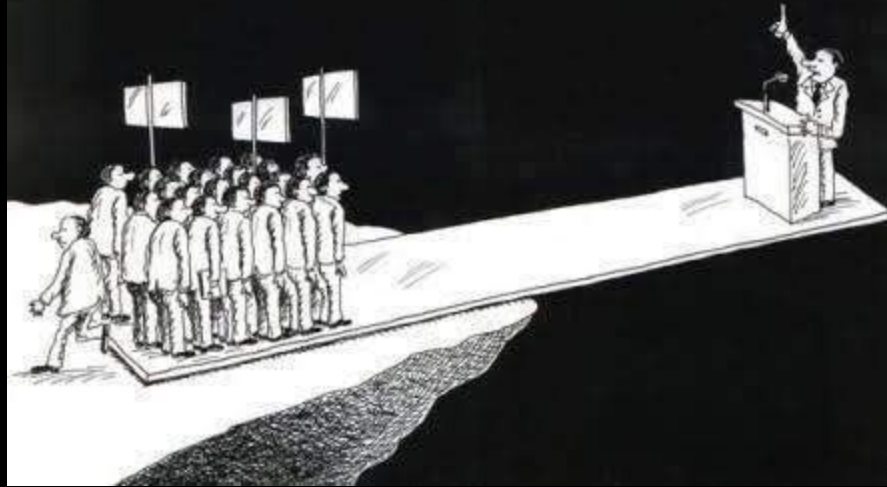




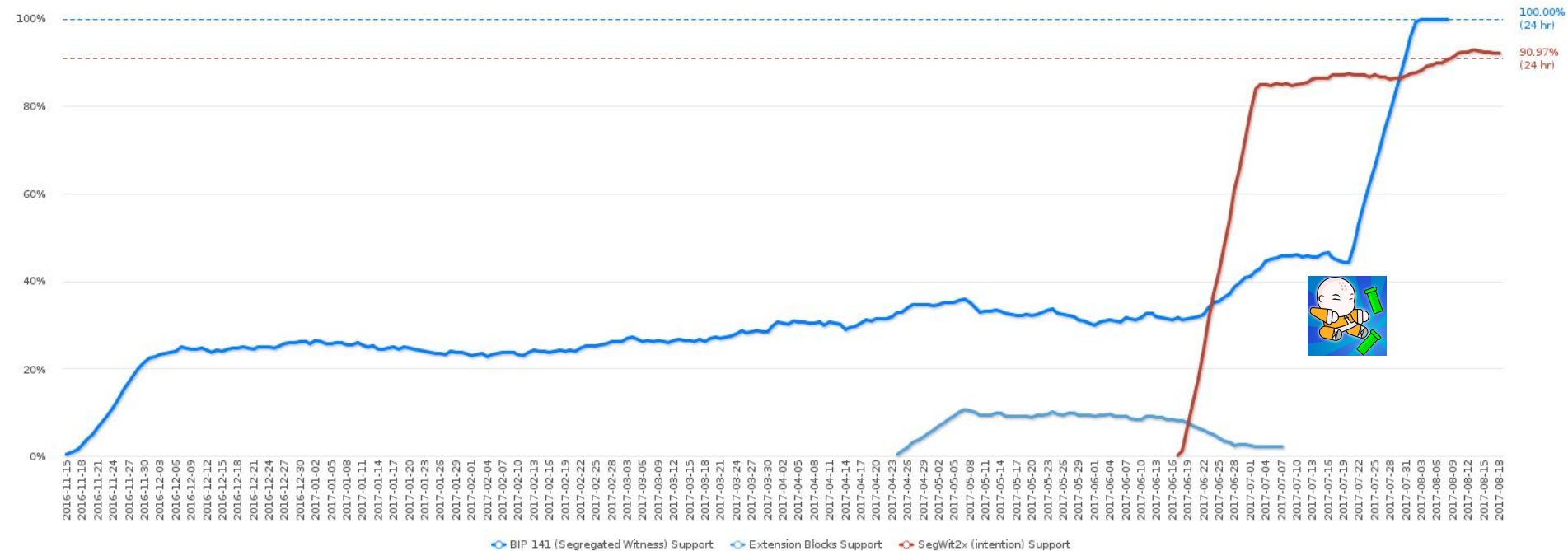


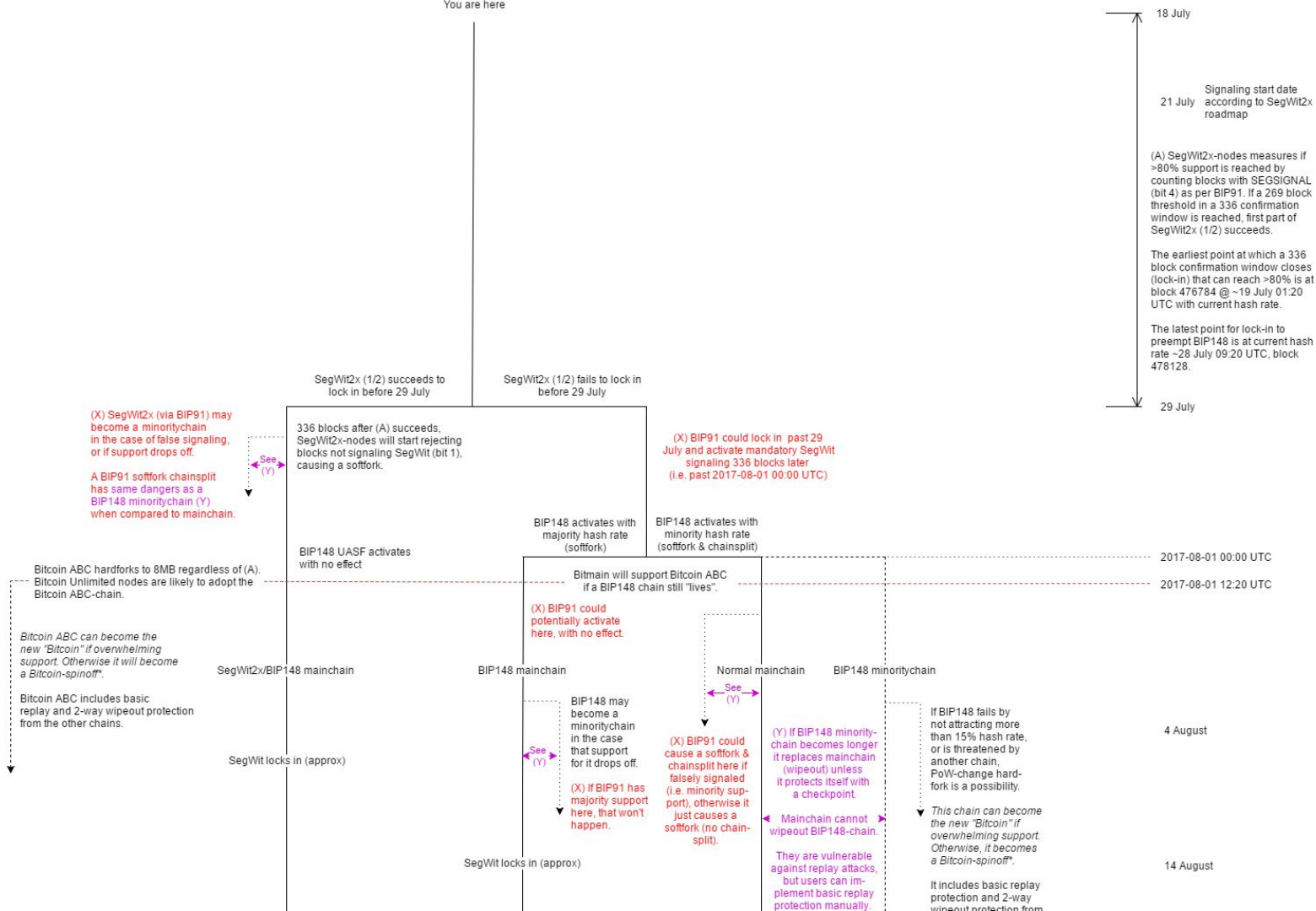


**THE PEOPLE DON'T KNOW  
THEIR TRUE POWER.**



Bitcoin Proposal Support (historical | last 2016 blocks)  
coin.dance





# WHO WOULD WIN?

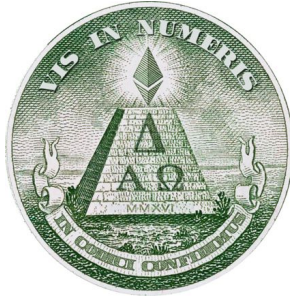
COINBASE,  
BLOCKCHAIN.INFO, CIRCLE,  
SHAPESHIFT, BTC.COM, BITCOIN.COM,  
BITMAIN, BITFURY,  
BITPAY, DIGITAL CURRENCY  
GROUP, ABRA, PURSE,  
XAPO, 80%+ OF THE NETWORK  
HASHRATE, AND EVERYONE  
ELSE WHO SIGNED THE NY AGREEMENT

A SINGLE PSEUDONYMOUS  
DEVELOPER NAMED SHAOLINFRY



Event:

The DAO hack  
(Jun 2016)



The Shanghai DDoS  
(Sep 2016)



OFAC OFUK  
(Aug 2022)



At risk:

Immutability

Availability

Neutrality





## feat: address screening #1017

**Merged** defispartan merged 25 commits into `main` from `feat/trm-compliance` on Aug 12

[Conversation 17](#)

[Commits 25](#)

[Checks 32](#)

[Files changed 10](#)



**grothem** commented on Aug 11

[Contributor](#) [Tip](#) [...](#)

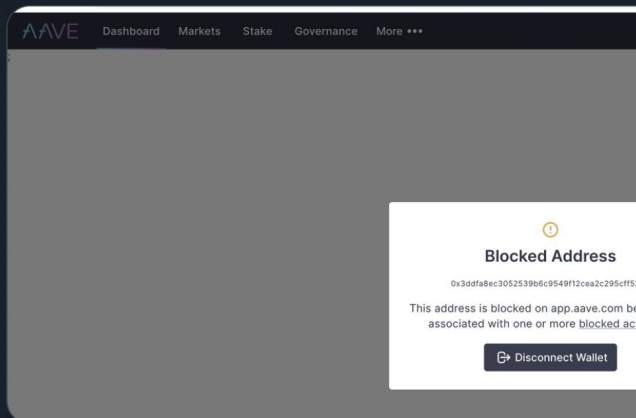
Prevents wallets that are sanctioned or have known links to terrorist financing from using the interface. Leverages the TRM wallet screening functionality to screen the connected account.

 57



H.E. Justin Sun 🌞🇲🇻🔥👍  
@justinsuntron

I'm officially blocked by @AaveAave since someone sent 0.1 eth randomly from @TornadoCash to me.  
@StaniKulechov



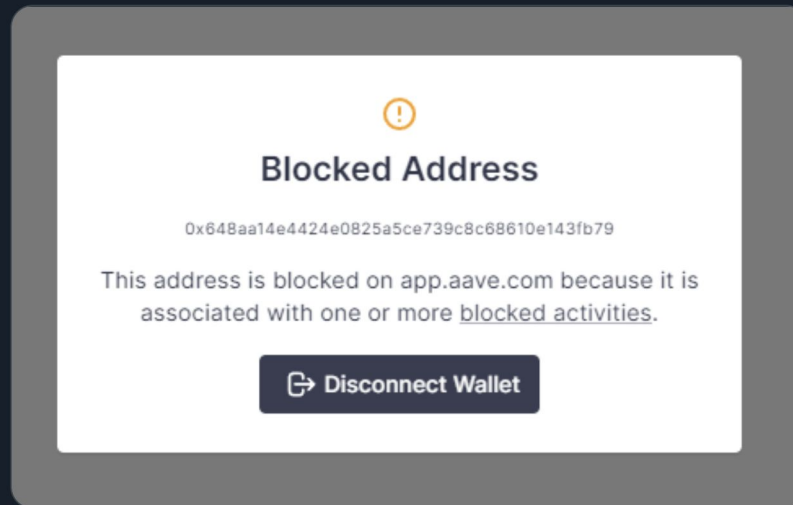
3:48 PM · Aug 13, 2022 · Twitter Web App

2,116 Retweets 609 Quote Tweets 8,324 Likes



sassal.eth 🦊🔊🔥🌊  
@sassal0x

sassal.eth now blocked from using the official Aave front-end because someone sent 0.1 ETH to my address via Tornado Cash 🤔



11:04 AM · Aug 13, 2022 · Twitter Web App



**banteg**  
@bantg



## flashbots censorship confirmed



@Micah Are you able to confirm whether or not the Flashbots operated relay will be censoring post Merge?

**Hasu** Today at 6:48 PM

Flashbots Relay and Builder are OFAC compliant today and will be OFAC compliant in the future

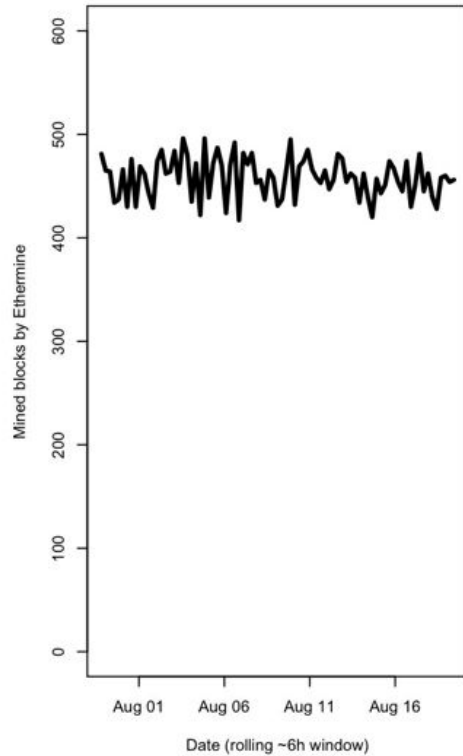


2

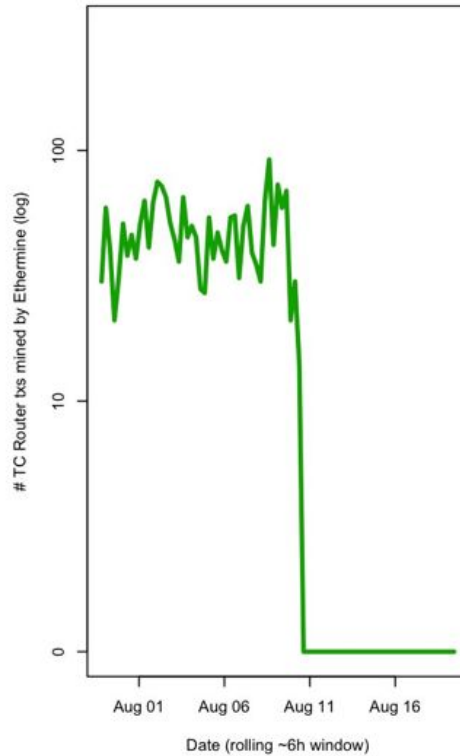
10:30 PM · Aug 17, 2022 · Twitter Web App

**128** Retweets   **47** Quote Tweets   **809** Likes

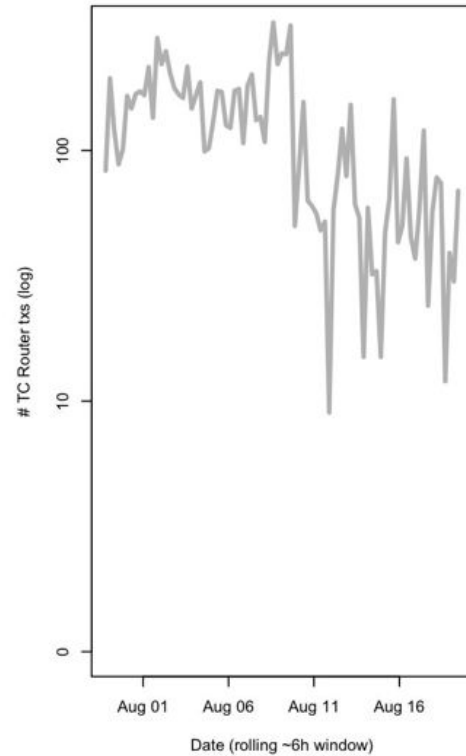
Ethermine blocks (rolling window)



# TC Router txs by Ethermine



# TC Router txs total





**Brian Armstrong** ✓

@brian\_armstrong



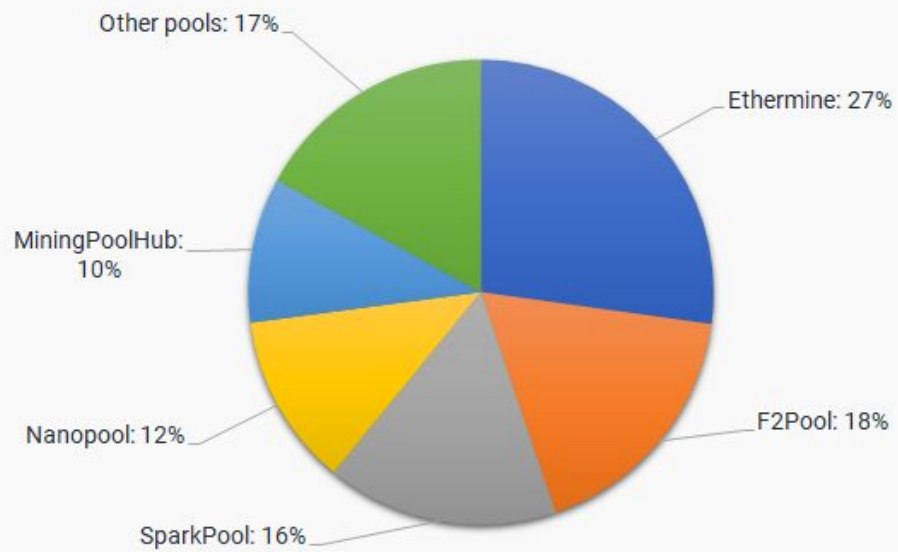
Sanctioning a technology (as opposed to an individual or entity) seems like a bad precedent to me, and it should probably be challenged. Could have many downstream unintended consequences.

[#TornadoCash](#)

Hopefully obvious point: we will always follow the law.

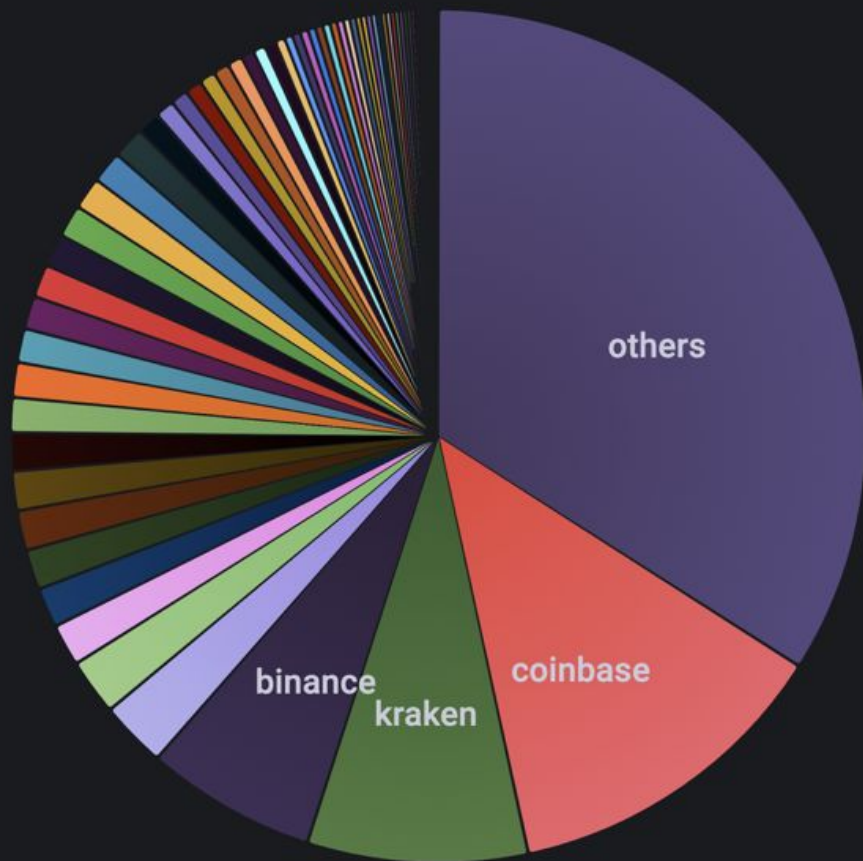
3:49 AM · Aug 15, 2022 · Twitter for iPhone

**274** Retweets   **72** Quote Tweets   **2,102** Likes





Staked Eth ▾



others	Value: 4772128 Eth
coinbase	Value: 1757760 Eth
kraken	Value: 1161088 Eth
binance	Value: 895744 Eth
stakedus	Value: 342976 Eth
bitcoinsuisse	Value: 288096 Eth
rocketpool	Value: 212576 Eth
lido_blockscap	Value: 201440 Eth
lido_p2porg	Value: 201440 Eth
lido_skillz	Value: 201408 Eth
lido_rockx	Value: 198400 Eth
lido_stakefish	Value: 192000 Eth
lido_chainlayer	Value: 174432 Eth
lido_dsrv	Value: 174432 Eth
lido_allnodes	Value: 169568 Eth
lido_bridgetower	Value: 163872 Eth
lido_everstake	Value: 163872 Eth
lido_stakingfacilities	Value: 163872 Eth
stakefish	Value: 161440 Eth
lido_chorusone	Value: 160000 Eth
lido_figment	Value: 160000 Eth
lido_simplystaking	Value: 160000 Eth
lido_stakely	Value: 112000 Eth
huobi	Value: 91360 Eth
lido_infstones	Value: 81184 Eth
lido_blockdaemon	Value: 78400 Eth
stakewise	Value: 75552 Eth
lido_anyblockanalytics	Value: 73600 Eth
bloxstaking	Value: 69632 Eth
ankr	Value: 56032 Eth
okex	Value: 55616 Eth
lido_stakin	Value: 48000 Eth
bitfinex	Value: 41216 Eth
0x234ee9e35f	Value: 32000 Eth
lido_certusone	Value: 32000 Eth
lido_hashquark	Value: 32000 Eth

# Proposed Blocks Per Epoch



✓ Proposed Blocks Per Epoch ✓

☒

- kraken 3

## **BAD PATH:**

### **POW**


- CENSORSHIP
- CENTRALIZATION
- HIGH ENERGY USE

## **GOOD PATH:**

### **POS**

- COORDINATION
- NON-FINANCIAL USE CASES
- CENSORSHIP RESISTANCE
- NEUTRALITY
- DECENTRALIZATION





**In the PoS case, however, things are much brighter.** For certain kinds of 51% attacks (particularly, reverting finalized blocks), there is a built-in "slashing" mechanism in [the proof of stake consensus](#) by which a large portion of the attacker's stake (and no one else's stake) can get automatically destroyed. For other, harder-to-detect attacks (notably, a 51% coalition censoring everyone else), the community can coordinate on a **minority user-activated soft fork (UASF)** in which the attacker's funds are once again largely destroyed (in Ethereum, this is done via the "inactivity leak mechanism"). **No explicit "hard fork to delete coins" is required; with the exception of the requirement to coordinate on the UASF to select a minority block, everything else is automated and simply following the execution of the protocol rules.**





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Patrick McCorry

@stonecoldpat0



In BTC, Changing PoW algorithm to break all ASICs is the nuclear option and it can only be used once. If adversary has GPUs, game over.

In ETH, the adversary can be removed without harming any honest party. It is the high precision laser option and it kills instantly.



## Post-Merge OFAC Compliant Blocks

OFAC Compliant Not OFAC Compliant Non-MEV-Boost



50% enforced OFAC compliance

100%

TIME FRAME

All

30d

7d

1d

1h

5m



Include all Blocks

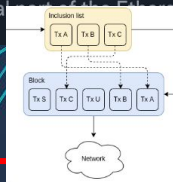


collective.flashbots.net

Toward an open research and development process for ...

In the three weeks since The Merge, MEV-Boost has become a critical part of the Ethereum block production

mev-boost

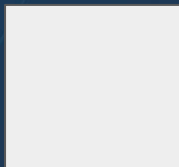


ethresear.ch

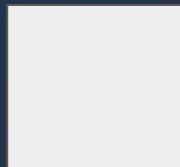
How much can we constrain builders without bringing ba...

One natural response to the risks of builder centralization (mainly censorship, but also various forms of economic ...

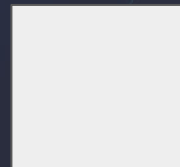
Validator



MEV Relay



MEV Builder



Post-Merge OFAC Compliant Blocks

OFAC Compliant Not OFAC Compliant Non-MEV-Boost



50% enforced OFAC compliance

100%

TIME FRAME All 30d 7d 1d 1h 5m

Include all Blocks



**99.9% = non-compliant txs still get in!**

Validator



"I'm going to exclude certain transactions from the blocks I build"

"I'm going to refuse to build on other validators' blocks if they include those transactions"

**refuses blocks**

**20-50% = system-wide censorship!**



**paulgrewal.eth** ✓

@iampaulgrewal



Actually [@laurashin](#), I think the law is pretty clear:  
nothing compels miners, stakers or anybody else at the  
base lawyer to monitor or censor transactions



**Laura Shin** ✓ @laurashin · Sep 4

Replying to @betterlawMLA @coinbase and 2 others

Right ... but it's not clear what the law requires ...

6:15 AM · Sep 4, 2022 · Twitter Web App

**49** Retweets   **25** Quote Tweets   **358** Likes





**Eric Wall X** @ercwl · Aug 16

...

Question for the Ethereum community. If a majority of stake chooses A in this poll, will you:

- X) Consider the censorship an attack on Ethereum and burn their stake via social consensus
- Y) Tolerate the censorship



**Lefteris Karapetsas | Hiring for @rotkiapp** @LefterisJP · Aug 15

Question for @LidoFinance, @coinbase, @krakenfx, @stakedus, @BitcoinSuisseAG

If regulators ask you to censor at the #ethereum protocol level with your validators will you:

- A) Comply and censor at protocol level
  - B) Shut down the staking service and preserve network integrity
- [twitter.com/TheEylon/statu...](https://twitter.com/TheEylon/status...)

73

305

761



**Eric Wall X** @ercwl · Aug 16

...

Poll

X

61.2%

Y

9.3%

Show results

29.5%

9,584 votes · Final results

24

38

193





**Eric Wall X** | @ercwl · Aug 16



Poll



9,584 votes · Final results



24



38



193



**RYAN SEAN ADAMS - rsa.eth** 🔊



@RyanSAdams

Replying to @ercwl



2:25 AM · Aug 16, 2022 · Twitter Web App

14 Retweets 2 Quote Tweets 70 Likes



100%

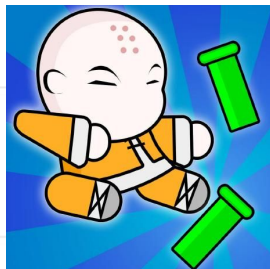
80%

60%

40%

20%

0%



## [bitcoin-dev] Moving towards user activated soft fork activation

shaolinfry [shaolinfry\\_at\\_protonmail.ch](mailto:shaolinfry_at_protonmail.ch)

Sat Feb 25 23:55:51 UTC 2017

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21.53%  
(24 hr)

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2017-02-15  
2017-02-17



mySWIFT

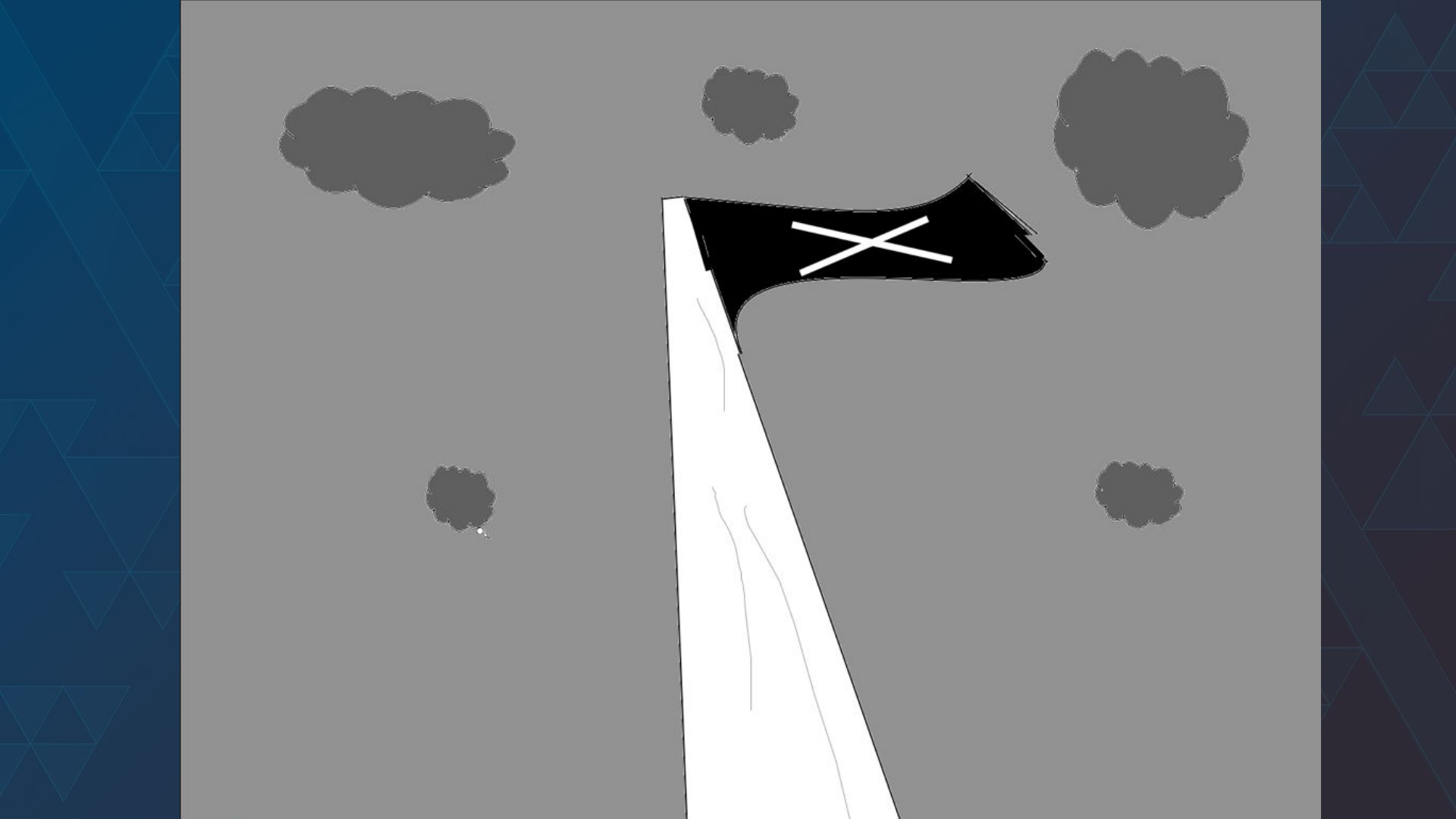


## **What is the role of SWIFT in relation to financial sanctions that are imposed by regulators?**

SWIFT does not monitor or control the messages that users send through its system. All decisions on the legitimacy of financial transactions under applicable regulations, such as sanctions regulations, rest with the financial institutions handling them, and their competent international and national authorities. As far as financial sanctions are concerned, the focus of SWIFT is to help its users in meeting their responsibilities to comply with national and international regulations.









**THESE ETHEREUM POW MINERS...  
ARE THEY IN THE ROOM WITH US RIGHT NOW?**





Thank you!

Eric Wall

Unaffiliated

[info@ericwall.ninja](mailto:info@ericwall.ninja)



[@ercwl](https://twitter.com/ercwl)