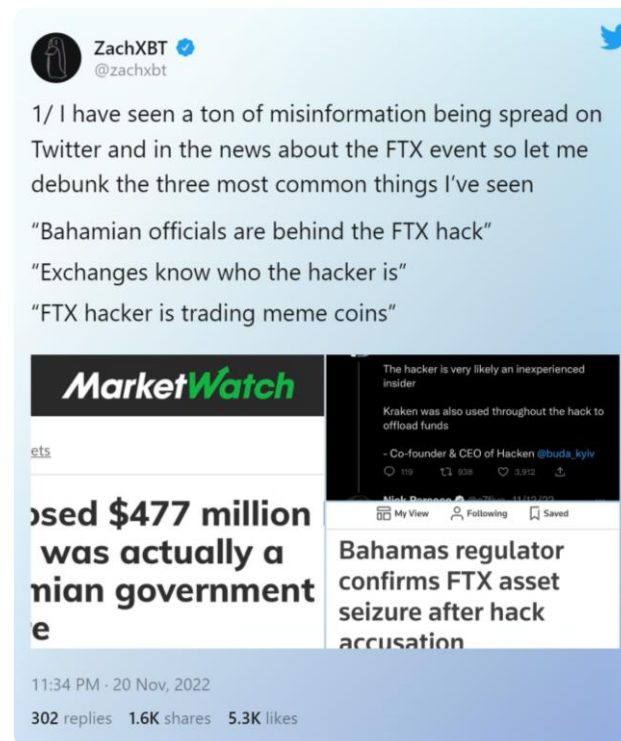


Web3.0 Biweekly

25 November 2022 | AMTD Research

Updates on FTX's situation

- Bankruptcy specialist John J. Ray III, the new CEO of FTX who oversaw Enron's bankruptcy and reorganization, noted in a court filing that he has **“never seen such a complete failure of corporate control.”**
- Meanwhile, **unauthorized transactions of over US\$450 million were reportedly withdrawn from FTX and FTX US addresses.** FTX US General Counsel Ryne Miller confirmed such unauthorized transactions, and the firm expedited the processes to move all remaining digital assets to a new cold storage custodian.
- Shortly after, the Securities Commission of the Bahamas announced that it directed transfer of all digital assets of FTX to the commission “for safekeeping,” leading to assumptions that the ~US\$450 million “hack” was the doing of Bahamian officials. However, investigations of wallet addresses and on-chain activities suggests otherwise.
- With the uncertainty of the outcome of the bankruptcy reorganization process, institutional investors have also written down their investments in FTX, including Temasek (US\$275m), Sequoia Capital (US\$214m), SoftBank (US\$100m), Ontario Teachers' Pension Plan (US\$95m), Tiger Global (US\$38m).
- In a letter to employees, SBF expressed that he was “deeply sorry about what happened.”



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Notable Tweets

Market Performance

Summary

1. Prices

- **One-Year Price Recap**
- **Layer 1 Price Recap** (10 November – 23 November 2022)
 - SOL falls lower due to declining sentiment for Solana; SBF/FTX/Alameda were prominent supporters of Solana
 - ETH underperformed (esp. relative to BTC) after the FTX hacker began dumping ETH for renBTC and other assets
 - Overall prices declined to FTX contagion effects on other centralized entities and DeFi liquidation
- **Protocol Price Recap** (10 November – 23 November 2022)
 - DYDX outperformed, though retraced after an earlier spike, as sentiment moved towards DEXes after CEXes seemed too risky
 - MKR underperformed, with the FTX contagion causing higher debt levels, leading to emergency measures to reduce debt ceiling for certain vaults

2. Valuation

- Market Cap to Active Addresses – ETH's price rally driven more by multiple expansion than network usage

3. Exchange Flows

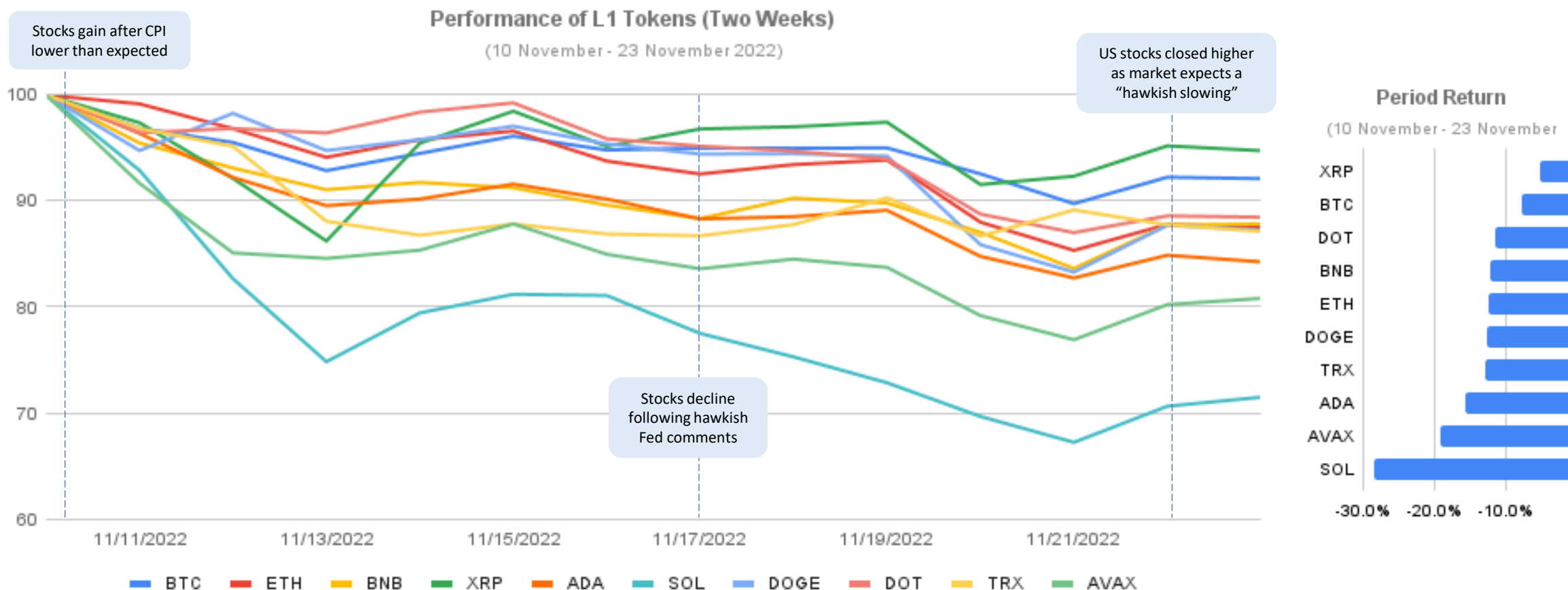
- Bitcoin - high levels of outflows from exchanges as confidence in CEXes decline
- Ethereum - massive exchange outflows as users move to self-custody amid FTX collapse

One-Year Layer-1 Price Recap



Layer-1 Price Recap (10 November – 23 November 2022)

- **SOL** falls lower following FTX's collapse; SBF was a prominent supporter and investor of the Solana ecosystem while Solana also invested in FTX
- **ETH** underperformed (esp. relative to BTC) after the FTX hacker began dumping ETH for renBTC and other assets
- Overall prices declined due to poor sentiment of FTX contagion effects on other centralized entities and DeFi liquidation

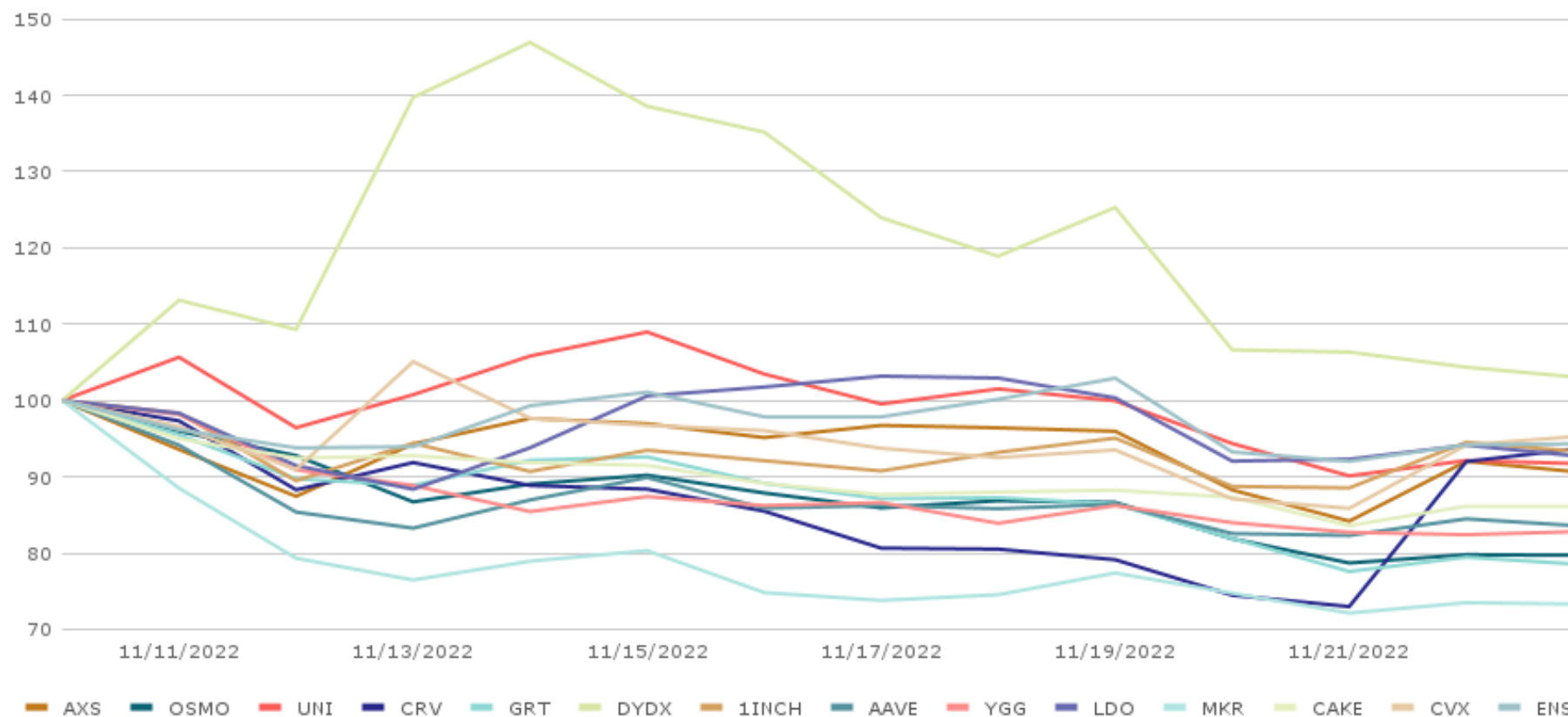


Protocol Price Recap (10 November – 23 November 2022)

- **DYDX** outperformed, though retraced after an earlier spike, as sentiment moved towards DEXes after CEXes seemed too risky
- **MKR** underperformed, with the FTX contagion causing higher debt levels, leading to emergency measures to reduce debt ceiling for certain vaults

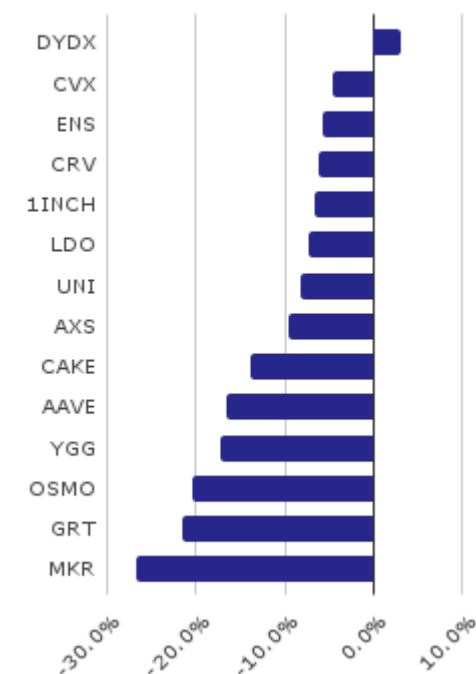
Performance of Protocol Coins (Two Weeks)

(10 November - 23 November 2022)

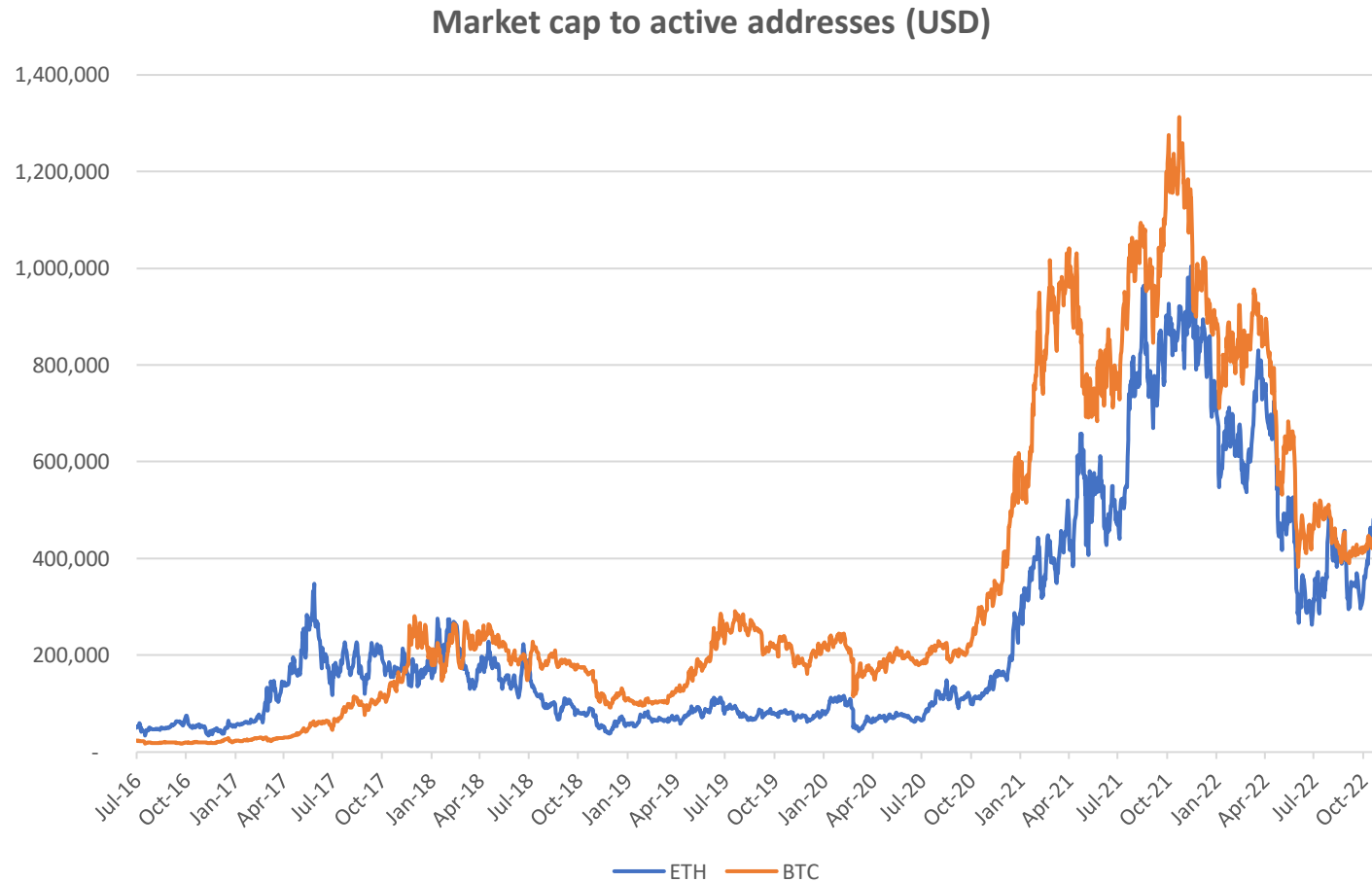


Period Return

(10 November 2022 - 23 November 2022)



Valuation – BTC and ETH Market Cap to Active Addresses

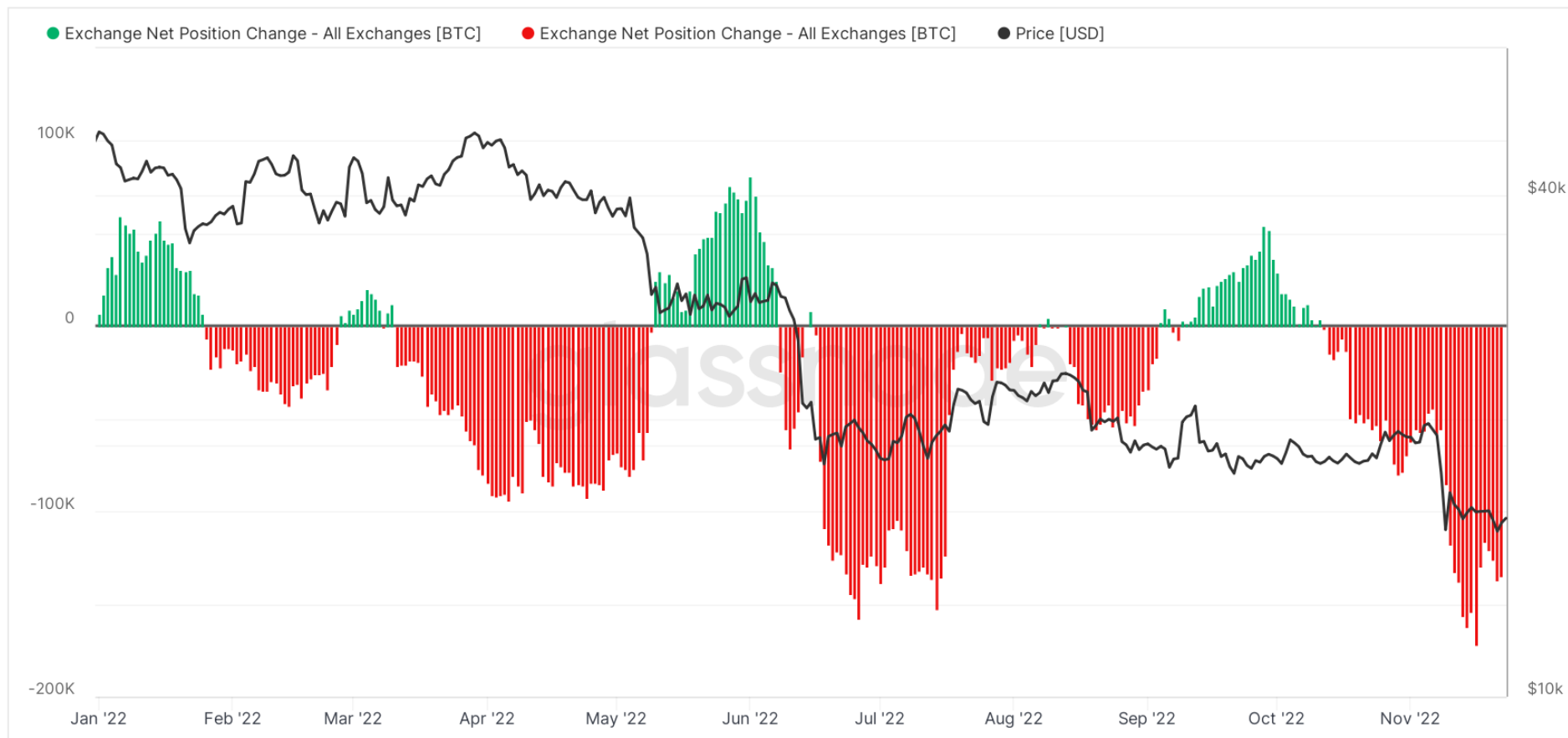


	BTC	ETH
Valuation Multiple		
2017-2018 Run	2.2x	7.1x
2020-2022 Run	5.6x	13.4x
Network Usage		
2017-2018 Run	1.3x	7.0x
2020-2022 Run	1.5x	2.8x

- Ethereum's price rally (30x+) in the 2020-2022 cycle was driven more by valuation multiple expansion (13x) than network activity increase (3x).
- The market cap to active address for ETH overtook BTC amid a brief active address spike for BTC and price declines for both.

Bitcoin – high levels of outflows from exchanges as confidence in CEXes decline

Bitcoin: Exchange Net Position Change [BTC] - All Exchanges



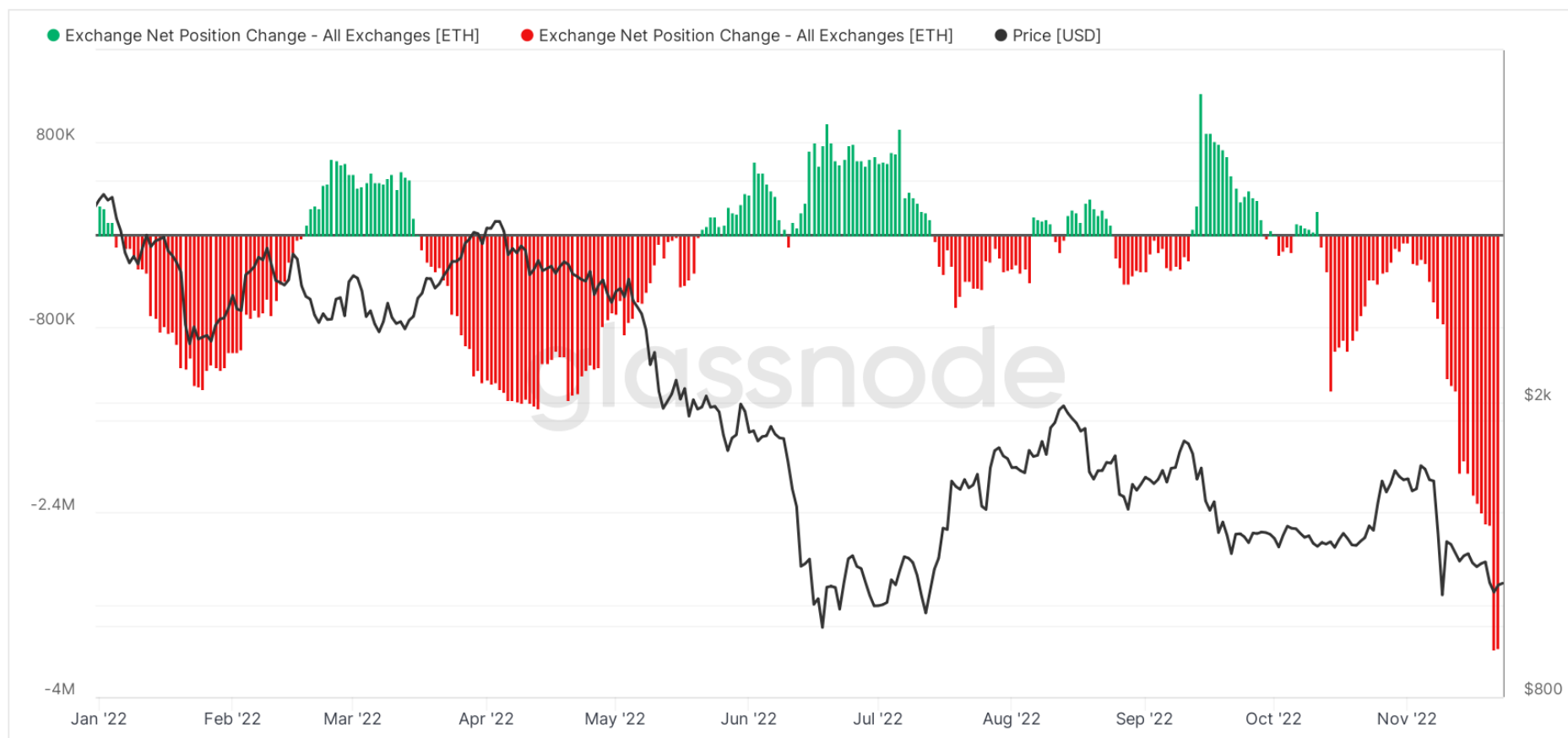
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Ethereum – massive exchange outflows as users move to self-custody amid FTX collapse

Ethereum: Exchange Net Position Change [ETH] - All Exchanges



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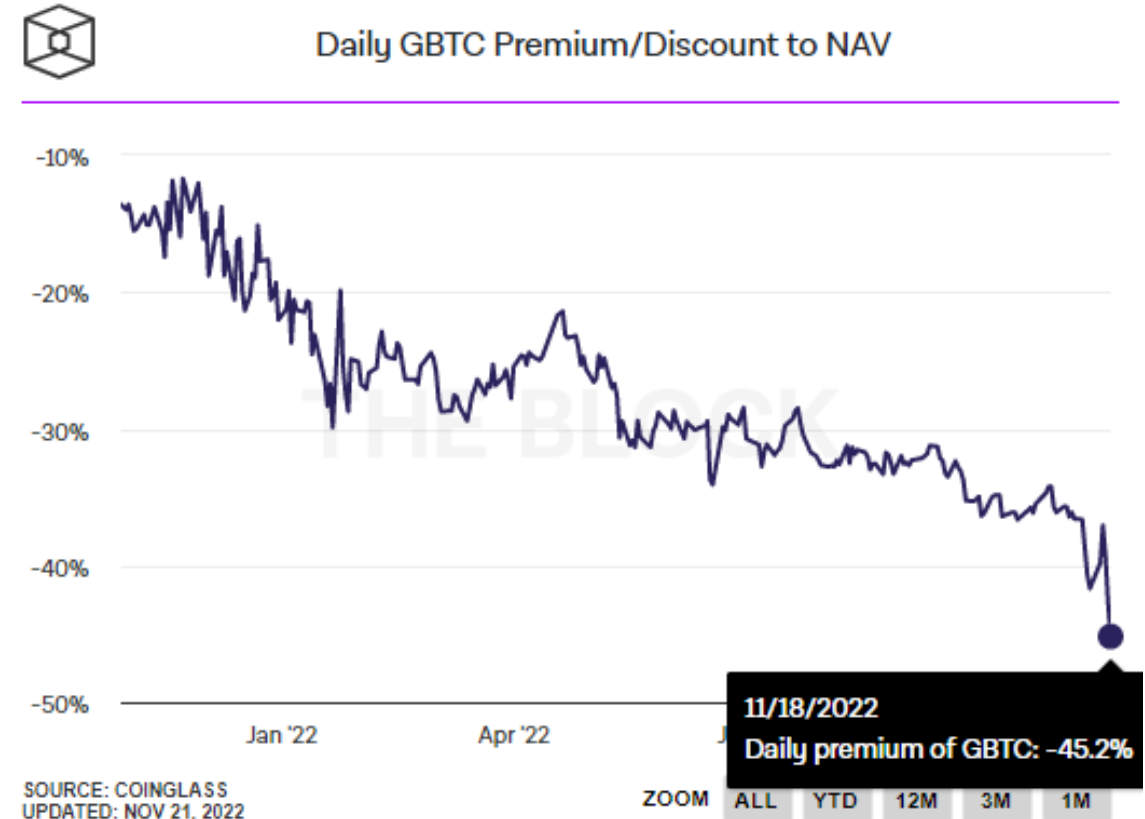
Layer-1 Blockchains

Layer-1 Summary (10 November – 23 November 2022)

- 1. Bitcoin (2W: -6.4%)/(YTD: -65.6%)**
GBTC discount reaches lows amid contagion fears to sister company
Mining difficulty spikes to another high
- 2. Ethereum (2W: -10.8%)/(YTD: -69.3%)**
Validators profit from spike in on-chain activity as FTX collapsed
- 3. News and Headlines**

Bitcoin – GBTC discount reaches lows amid contagion fears to sister company

- **Grayscale's GBTC has again hit a new all-time low of -45.2%**, this time spurred by market's fears of contagion spread from FTX collapse to sister company Genesis Global.
- Last week, the lending arm of Genesis halted withdrawals citing unprecedented market turmoil brought on by the collapse of FTX. Earlier, parent company Digital Currency Group provided an emergency US\$140m infusion to cover losses that Genesis had on FTX.
- It has become apparent that the equity infusion was insufficient to meet withdrawal demands and Genesis has reportedly been seeking investments for up to US\$1billion but to no avail.
- The GBTC discount shows the market's fears of further contagion effects to the bitcoin trust, where Grayscale is also under Digital Currency Group, although GBTC's trust structure would likely isolate itself from DCG group failures.

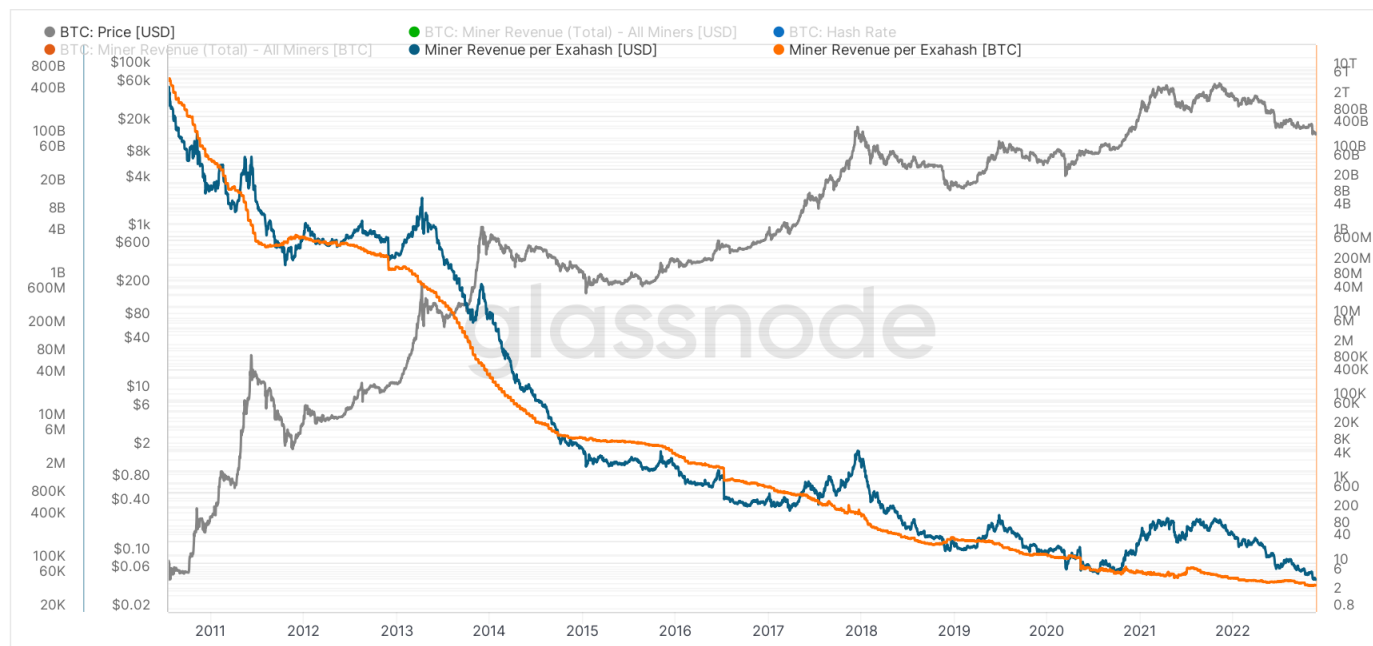
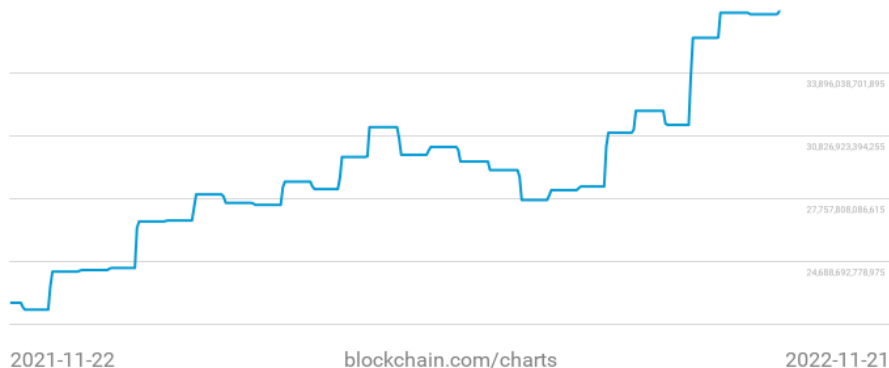


Bitcoin – Mining difficulty spikes to another high

- Bitcoin mining difficulty has jumped to an all-time high after a 0.51% increase over the weekend, which does not bode well with miners given the downtrend of Bitcoin price.
- Bitcoin miner has price, which estimates daily miner incomes relative to contribution to network hash power, has been on a steady decline for much of 2022 and reached an all-time low of US\$58.3k per exahash per day.
- The next difficulty adjustment is due on around Dec 4, 2022.

Bitcoin: Miner Hash Price (Revenue per Exahash)

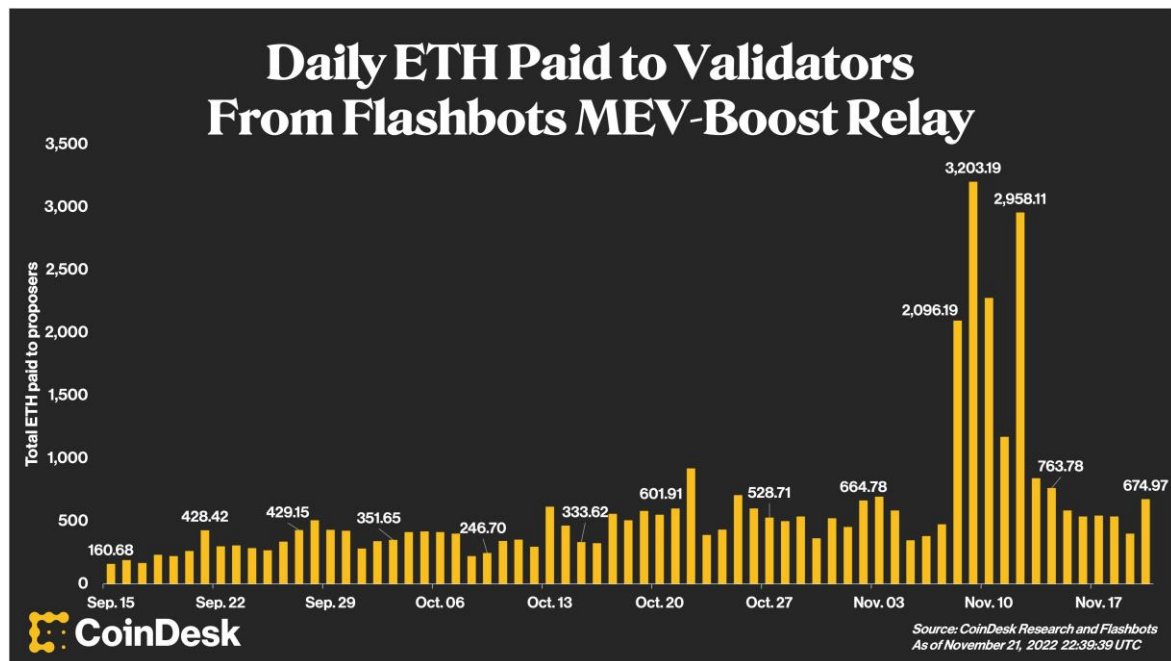
Difficulty
36,950,494,067,222



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Ethereum – Validators profit from spike in on-chain activity as FTX collapsed



- Ethereum validators received higher amounts of ETH – profits from MEV Boost – spike as the chaos from FTX collapse and subsequent fear spread across the industry, leading to a suddenly higher number of transactions as people withdrew assets from CEXes and did more on-chain transactions.
- MEV Boost is designed to counteract negative effects of MEV by outsourcing block production through relays.
- Times of volatility boost MEV profits due to increased usage and price discrepancies.

News & Headlines

Binance Forms Industry Recovery Fund

Binance CEO CZ announced the forming of an industry recovery fund to reduce the negative effects of FTX. The fund will seek to help projects with liquidity issues due to FTX crisis but are otherwise strong. CZ also welcomed other industry players to co-invest. [[@cz binance](#)]

Nomura Ramping Up Crypto Team Hires

Nomura, one of Japan's largest banks, is seeking to grow its crypto unit and to launch a dedicated trading platform in 2023. The operation, which will include high-frequency trading, market making, and proprietary trading, will focus on deploying its own capital to establish cryptoasset management and VC investment engines. [[Blockworks](#)]

Class Action Filed Against FTX Celebrities

A class action lawsuit has been brought against celebrities who promoted FTX, which includes Tom Brady, Steph Curry, Gisele Bundchen, and Larry David. The lawsuit claims that the celebrities "actively participated" in the "offer and sale of unregistered securities in the form of yield-bearing accounts." [[The Block](#)]

Genesis Struggling to Raise Cash

A week after institutional crypto lender Genesis paused customer redemptions in the wake of FTX collapse, it is reportedly struggling to raise fresh cash and warned that it may need to file for bankruptcy if it does not find funding. The company reportedly approached Binance and Apollo Global Management for investment. Genesis stated that it wishes to solve the current situation without the need to file for bankruptcy. [[Reuters](#)]

Man Group Preparing to Launch Crypto Hedge Fund

Man Group, the world's largest publicly-traded hedge fund company, is reportedly preparing to launch a crypto-focused hedge fund despite the industry facing the ripple effects of the FTX collapse. The fund could be launched by as soon as the end of 2022, according to reports. [[Blockworks](#)]

Thai Crypto Exchange Aiming to List in Hong Kong

Bitkub, Thailand's largest crypto exchange, is eyeing Hong Kong as its preferred listing venue when it goes public, possibly as early as 2024. Founder and CEO Jirayut Srupsrisopa said that Hong Kong's geographical location, sound rule of law, and high liquidity makes it the preferred destination to list. [[SCMP](#)]

DBS Becomes First Asian Bank to Trade on JPMorgan's Onyx

Singaporean bank DBS completed a fixed income trade on JP Morgan's blockchain network Onyx, becoming the first Asian bank to use the network. The network uses tokens for short-term trading in fixed income repo markets. [[CoinDesk](#)]

Stablecoins

Stablecoins Summary

1. **Centralized Stablecoins**

Circle Yield affected by Genesis financial troubles

2. **Decentralized Stablecoins**

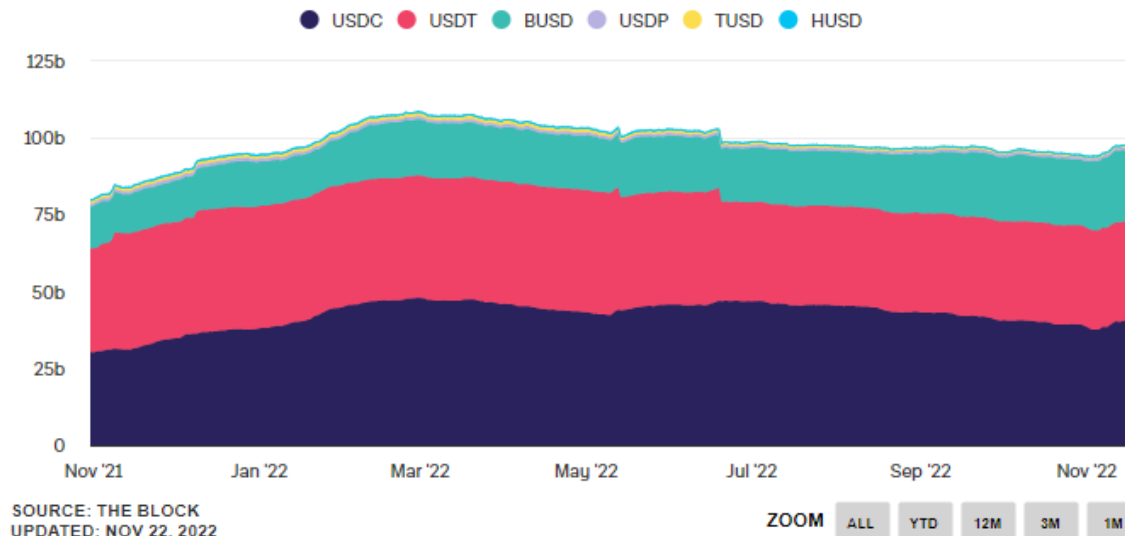
MakerDAO moves to protect against FTX contagion
crvUSD whitepaper released

Centralized Stablecoin Updates – Circle Yield affected by Genesis financial troubles

- In the past two weeks:
 - Total stablecoin supply on Ethereum increased slightly to US\$104.5b (1.1%) while centralized stablecoin supply increased to US\$96.9b (2.0%).
 - USDT supply on Ethereum was unchanged at 32.3b, while USDC gained 4.4% to 40.2b.
- **USDC**– USDC has been affected by the dire financial situation of Genesis; Genesis and Circle had a partnership where Genesis would add new USDC yield and lending services. The Circle Yield rate has been reduced to 0%.
- **USDA** – USDA is a planned stablecoin by Emurgo, the commercial arm of the Cardano blockchain. USDA will be the first fully fiat-backed, regulatory-compliant stablecoin in the Cardano ecosystem. The move would seek to boost Cardano's DeFi ecosystem.



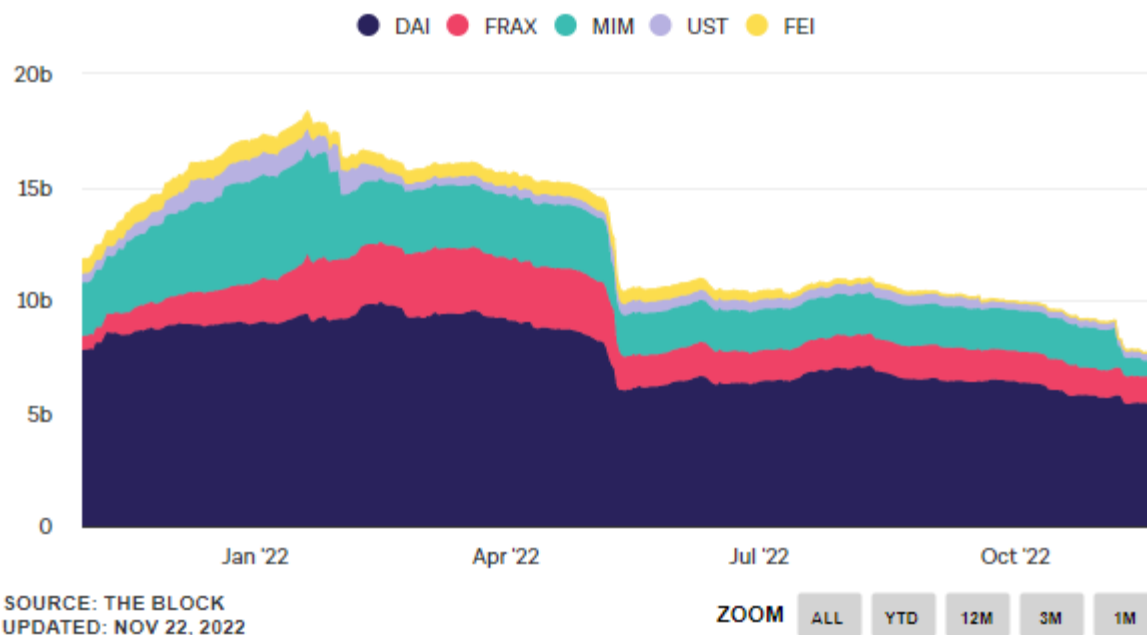
Total Fiat-backed Stablecoin Supply on Ethereum



Decentralized Stablecoin Updates – MakerDAO moves to protect against FTX contagion, crvUSD whitepaper released



Total Crypto-backed and Algorithmic Stablecoin Supply on Ethereum



MakerDAO reduces debt ceiling

- MakerDAO announced that it reduced debt ceilings of certain vaults to protect the platform against contagion from FTX.
- The vaults include MATIC, LINK, YFI, MANA, and RENBTC, which are those that may be vulnerable to contagion from FTX.
- While MakerDAO and DAI were not affected in any way by the FTX collapse, the move would protect the financial health of the protocol given declining asset prices overall.

Curve stablecoin crvUSD whitepaper released

- crvUSD will be an overcollateralized stablecoin using an lending-liquidating AMM algorithm (LLAMMA).
- LLAMMA is a liquidating model that goes both ways; the collateral will be sold for USD if it drops to liquidation price, while the dollars would be sold for the collateral if it rises.
- The model would in theory do away with huge slippage losses during liquidations into a smooth transition, beneficial for users in a volatile environment.

DeFi

DeFi Summary (10 November – 23 November 2022)

1. TVL by Chain

- Cronos TVL fell 37.5% to US\$453m, with crashing TVL on its major Dexes (VVS Finance, Ferro) in the past week.
- Solana TVL fell a further 32.3% to US\$287m, with Solana tokens/projects registering a blood bath following the FTX collapse.

2. TVL by Protocol

- Uniswap TVL gained slightly following positive momentum shift to the DEX
- Overall TVL declined due to falling crypto prices

3. DeFi Revenue

- Lido Finance overtakes OpenSea for second place amid usage spike for non-NFT DeFi protocols

4. DeFi Valuation – Uniswap and Curve relatively overvalued based on P/TVL and P/Revenue respectively

5. Top DEX Pools

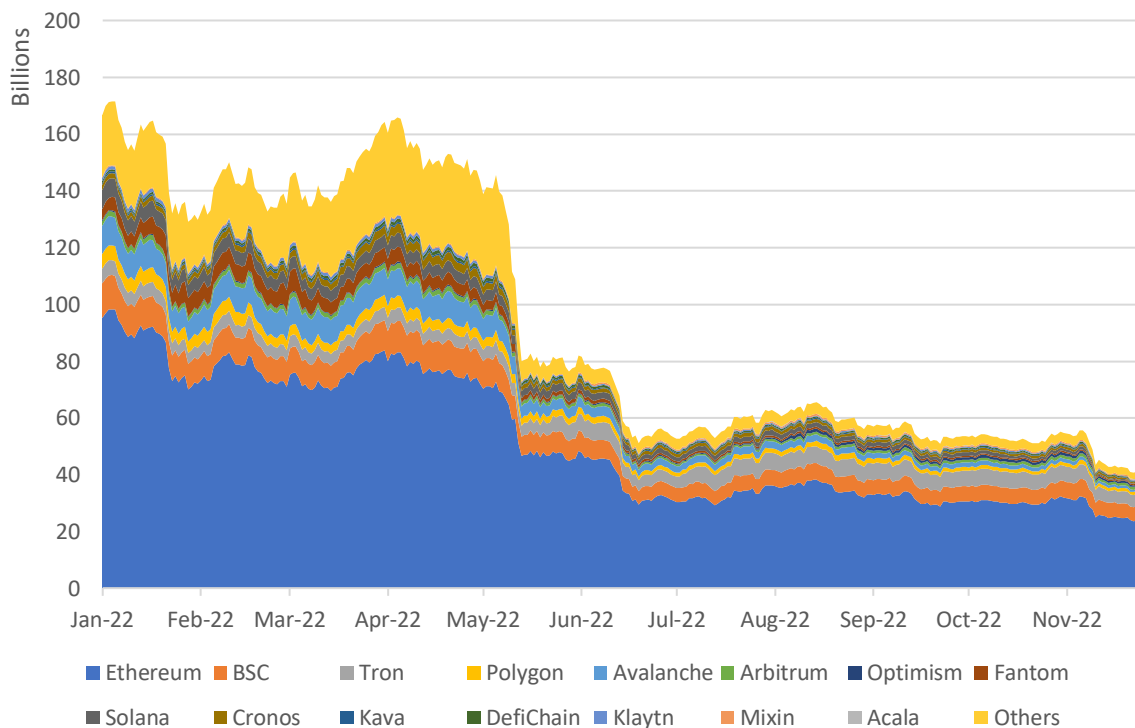
- Activity picks up in November – but liquidity in USD drops slightly due to crypto price declines

6. Noteworthy DeFi Protocols

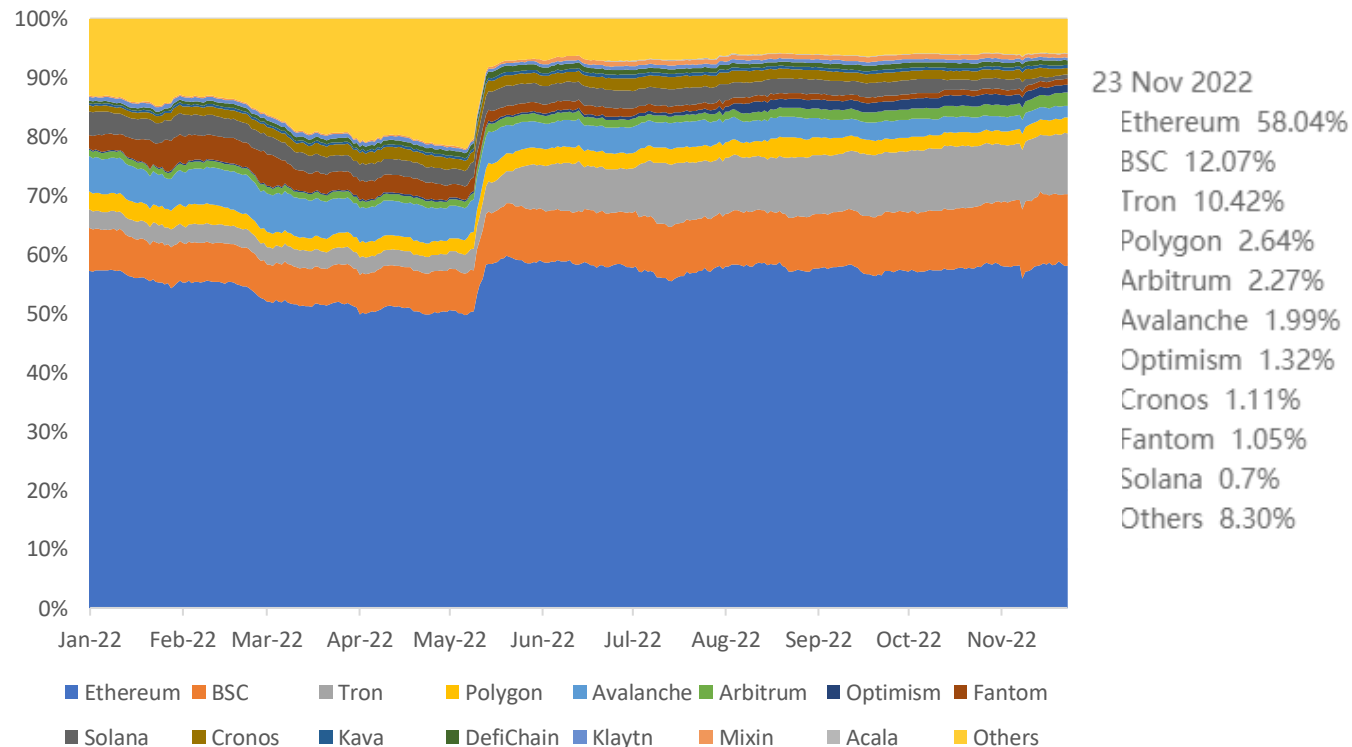
- CRV under short-seller attack on **Aave?**

TVL Overview by Chain – Effects of FTX liquidity crisis felt industry-wide as crypto prices declined

TVL Trend by Chain



TVL Breakdown by Chain



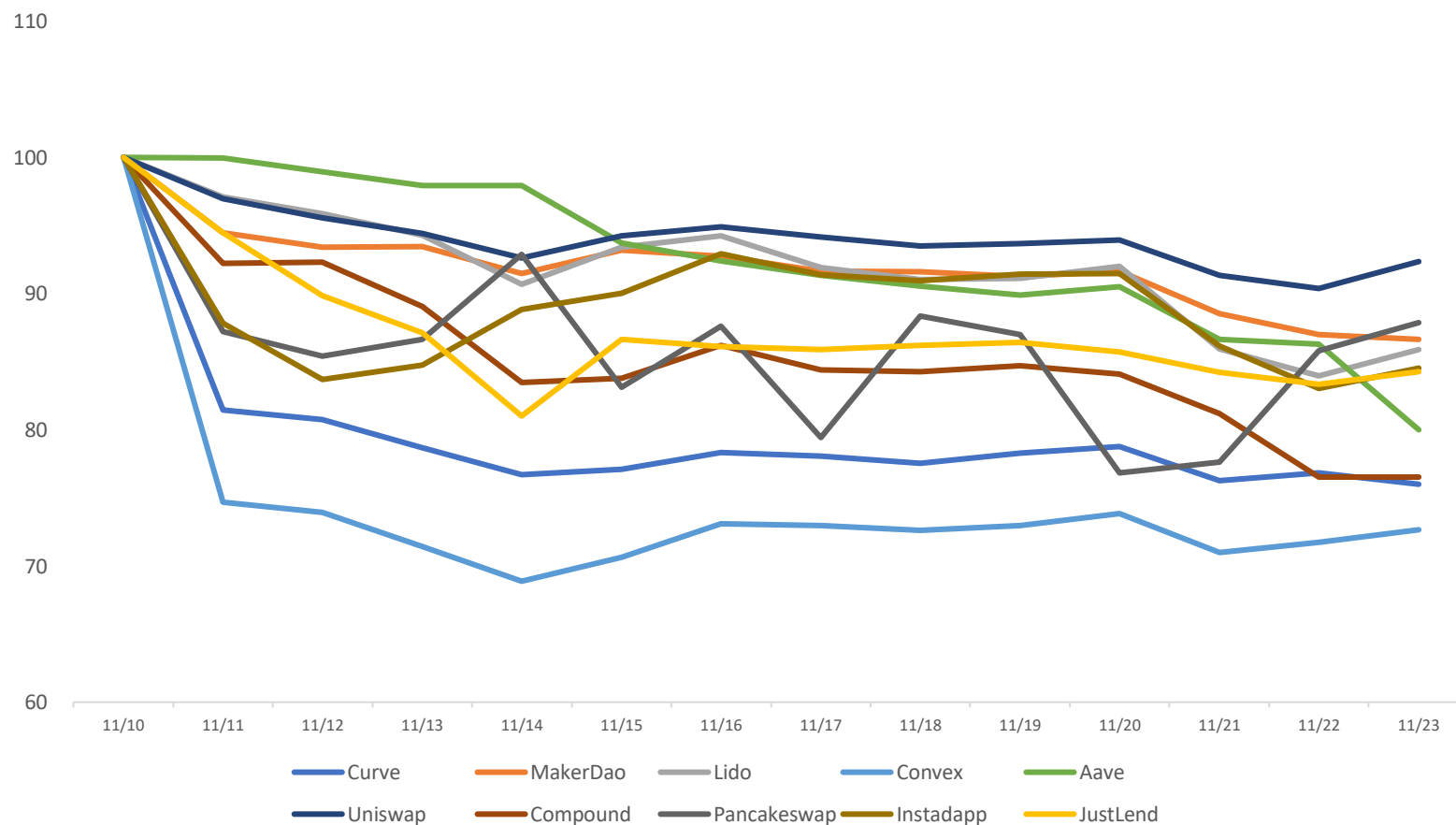
Total TVL continued to fall amid worsening sentiment due to FTX collapse, dropping 5.8% to US\$41bn. During the period, notable winners/losers were:

- Cronos TVL fell 37.5% to US\$453m, with crashing TVL on its major Dexes (VVS Finance, Ferro) in the past week.
- Solana TVL fell a further 32.3% to US\$287m, with Solana tokens/projects registering a blood bath following the FTX collapse.

TVL Overview by Protocols

- Uniswap TVL gained slightly following positive momentum shift to the DEX
- Overall TVL declined due to falling crypto prices

TVL of Top DeFi Protocols in Terms of TVL
(10 November 2022 = 100)

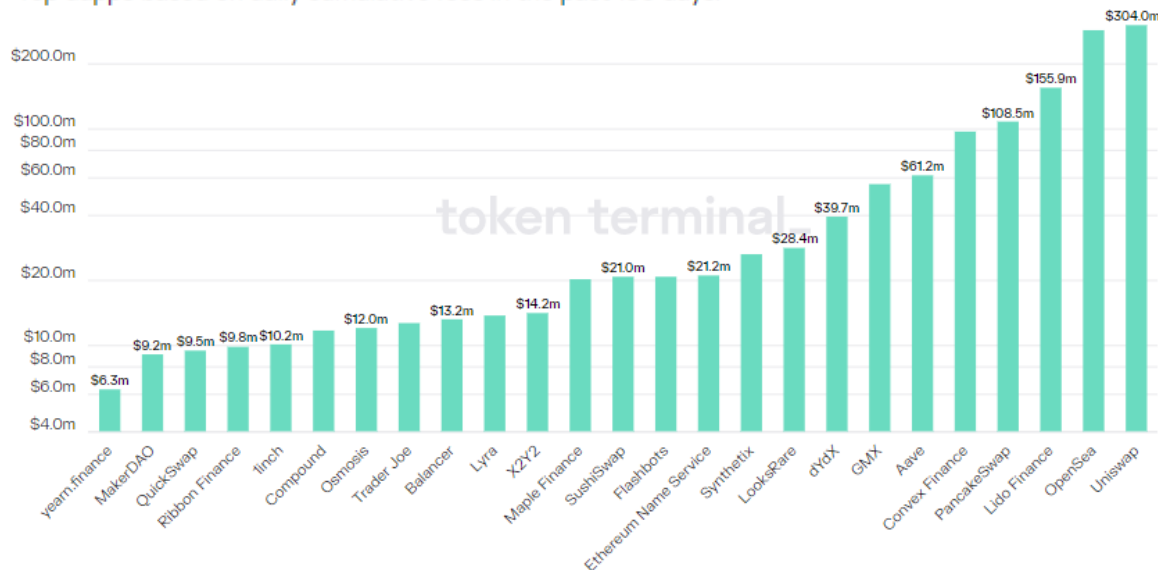


Protocol	10 Nov TVL (USD m)	23 Nov TVL (USD m)	Period Change
MakerDAO	6,511	6,319	-3.0%
Uniswap	3,664	3,717	1.4%
Pancake	2,931	2,841	-3.1%
Compound	1,765	1,460	-17.3%
Instadapp	1,417	1,545	9.1%
Lido	5,468	5,496	0.5%
Uniswap	2,655	2,266	-14.6%
Curve	4,204	3,671	-12.7%
Convex	2,655	2,266	-14.6%
Aave	4,148	3,749	-9.6%
JustLend	2,961	2,770	-6.4%

DeFi Total Revenue - DeFi Protocols

- OpenSea finally falls out of 2nd place, overtaken by Lido Finance, due to waning NFT activity and increased activity on other DeFi protocols (Dex, staking, etc)

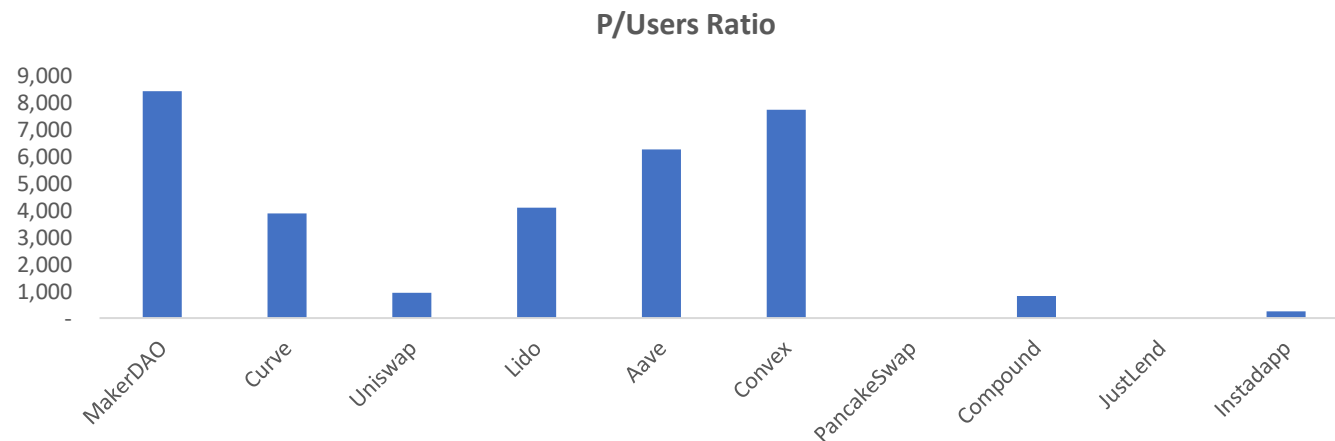
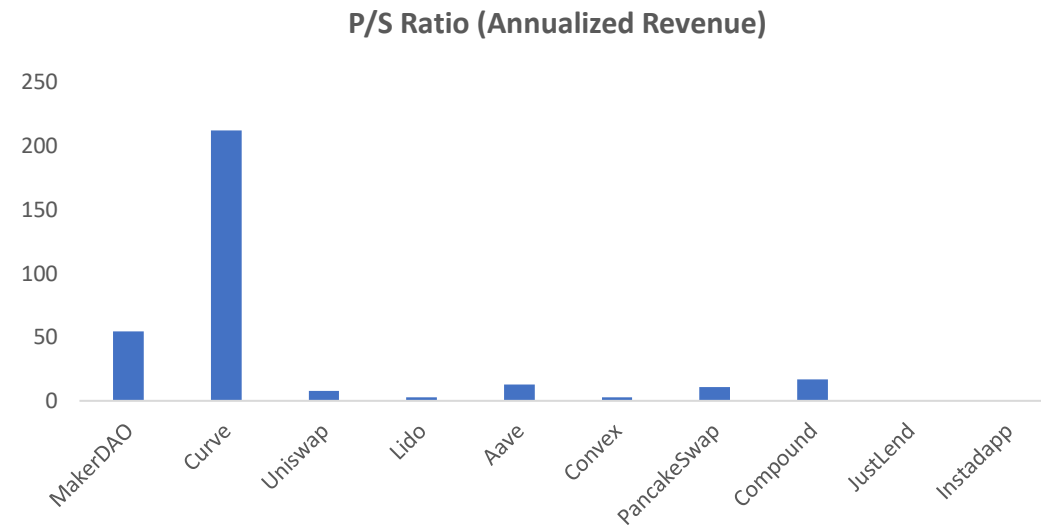
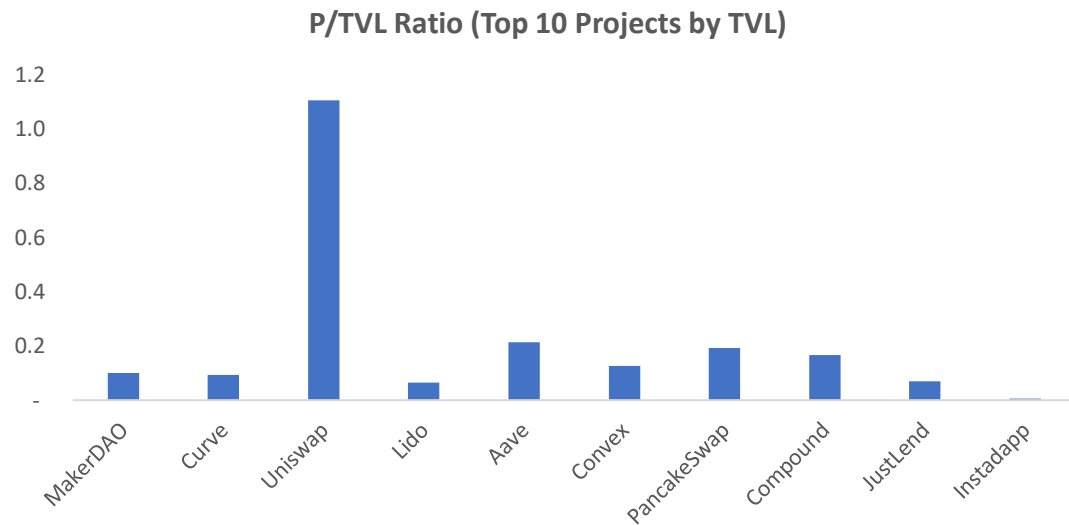
Top dapps based on daily cumulative fees in the past 180 days.



Project	Revenue 7d (US\$)	Revenue 30d (US\$)	Revenue 180d (US\$)	7d Change	30d Change
Uniswap	\$ 7.9m	\$ 58.4m	\$ 304.0m	-69.6%	68.2%
Lido Finance	\$ 7.9m	\$ 36.3m	\$ 155.9m	-18.8%	28.9%
OpenSea	\$ 5.5m	\$ 31.9m	\$ 285.0m	-10.0%	-10.6%
PancakeSwap	\$ 4.0m	\$ 22.1m	\$ 108.5m	-51.2%	61.0%
GMX	\$ 3.0m	\$ 15.2m	\$ 56.0m	-56.0%	113.2%
Convex Finance	\$ 1.9m	\$ 11.5m	\$ 97.6m	-14.3%	-11.3%
Flashbots	\$ 1.2m	\$ 10.3m	\$ 21.0m	-70.7%	7.4%
dYdX	\$ 1.1m	\$ 7.5m	\$ 39.7m	-66.3%	91.1%
Aave	\$ 1.1m	\$ 5.9m	\$ 61.2m	-20.8%	-12.2%
Lyra	\$ 1.0m	\$ 4.6m	\$ 13.7m	-35.4%	70.3%
LooksRare	\$ 0.6m	\$ 3.1m	\$ 28.4m	-6.9%	1.4%
SushiSwap	\$ 0.4m	\$ 2.8m	\$ 21.0m	-69.6%	87.1%
Osmosis	\$ 0.2m	\$ 2.6m	\$ 12.0m	-73.3%	82.1%
Maple Finance	\$ 0.2m	\$ 2.5m	\$ 20.3m	-83.6%	4.1%
Balancer	\$ 0.3m	\$ 2.0m	\$ 13.2m	-65.5%	27.2%
Compound	\$ 0.4m	\$ 2.0m	\$ 11.7m	-46.2%	2.7%
QuickSwap	\$ 0.2m	\$ 1.7m	\$ 9.5m	-69.3%	76.4%
ENS	\$ 0.3m	\$ 1.7m	\$ 21.2m	11.6%	-41.0%
1inch	\$ 0.0m	\$ 1.3m	\$ 10.2m	-94.7%	400.1%
Euler	\$ 0.2m	\$ 1.2m	\$ 5.3m	-33.0%	16.9%

Note: As of 23 November 2022

DeFi Valuation



Note: As of 23 November 2022. Protocols with a ratio of 0 means insufficient data.

Source: TokenTerminal, Dune Analytics, CoinMarketCap

Top DEX Pool Trends

Curve

Top Pools ?

#	Pool	Liquidity	Volume	Fees	ROL
1	steth	\$809.3m	\$50.34m	\$17.73k	0.78%
2	3pool	\$707.6m	\$352.62m	\$18.97k	1.00%
3	frax	\$468.78m	\$8.48m	\$4.23k	0.77%
4	tricrypto2	\$146.29m	\$47.08m	-\$18.21k	-4.58%
5	mim	\$87.16m	\$2.66m	\$1.1k	0.79%
6	alusd	\$76.1m	\$166.08k	\$54.40	0.29%
7	lusd	\$61.81m	\$1.25m	\$252.24	1.07%
8	susd	\$54.52m	\$10.46m	\$2.22k	1.48%
9	compound	\$44.03m	\$0.000000	\$0.00	0.00%
10	tusd	\$35.17m	\$407.89k	\$81.99	0.67%

Liquidity Provided



Uniswap

Top Pairs ?

#	Pair/Pool	Liquidity	Volume	Fees	ROL
1	USDC - ETH	\$83.84m	\$11.59m	\$34.77k	15.14%
2	WISE - ETH	\$82.81m	\$27.71k	\$83.12	0.04%
3	DAI - USDC	\$34.86m	\$14.28k	\$42.83	0.04%
4	FNK - USDT	\$29.73m	\$128.05	\$0.38	0.00%
5	ETH - USDT	\$28.95m	\$2.89m	\$8.68k	10.95%
6	PAXG - ETH	\$17.88m	\$1.12m	\$3.36k	6.85%
7	MC - ETH	\$14.36m	\$69.7k	\$209.11	0.53%
8	FXS - FRAX	\$13.96m	\$1.12m	\$3.35k	8.77%
9	DAI - ETH	\$12.72m	\$1.66m	\$4.97k	14.26%
10	USDC - USDT	\$10.93m	\$140.52k	\$421.57	1.41%

Liquidity Provided



SushiSwap

Top Pairs ?

#	Pair/Pool	Liquidity	Volume	Fees	ROL
1	ILV - ETH	\$47.98m	\$486.09k	\$1.46k	1.11%
2	USDC - ETH	\$44.43m	\$4.58m	\$13.74k	11.29%
3	ETH - USDT	\$18.63m	\$1.75m	\$5.24k	10.26%
4	WBTC - ETH	\$14.04m	\$266.13k	\$798.38	2.08%
5	SUSHI - ETH	\$10.82m	\$741.08k	\$2.22k	7.50%
6	YFI - ETH	\$7.91m	\$598.85k	\$1.8k	8.29%
7	TOKE - ETH	\$6.44m	\$19.84k	\$59.51	0.34%
8	DAI - ETH	\$6.43m	\$716.14k	\$2.15k	12.20%
9	PUNK - ETH	\$6.08m	\$13.41k	\$40.24	0.24%
10	SYN - ETH	\$6.07m	\$220.09k	\$660.28	3.97%

Liquidity Provided



Top DEX Pool Trends – Activity picks up in November – but liquidity in USD drops slightly due to crypto price declines

Curve

Top Pair Data: steth

Total Liquidity, USD



Volume Traded



Fees per Liquidity



Uniswap

Top Pair Data: USDC - ETH

Total Liquidity, USD



Volume Traded



Fees per Liquidity



SushiSwap

Top Pair Data: ILV - ETH

Total Liquidity, USD



Volume Traded



Fees per Liquidity



Noteworthy DeFi Protocols – CRV under short-seller attack on Aave?

AAVE 1M performance



Fraxgener 200x
@napgener

i think its \$AAVE under attack.

it will be left with significant bad debt assuming avi is able to pump \$CRV

11:38 AM · 22 Nov, 2022

24 replies · 29 shares · 151 likes

- **CRV, the token of Curve Finance, appears to have suffered a short-seller attack, according to on-chain analysts Lookonchain.**
- An address associated with the Mango Markets exploiter Avraham Eisenberg appears to be behind the attacks by borrowing US\$40m of CRV on Aave for selling, causing the price to drop ~26% in a week.
- CRV price drop has failed to liquidate an Aave whale's collateral, and CRV price subsequently began to recover.
- However, blockchain analytics firm Arkham suggests that there is more behind the story – **Eisenberg may be utilizing CRV to attack Aave instead.**
- According to Arkham, Eisenberg's CRV act would be a bait to help target Aave's vulnerable looping system, which Eisenberg tweeted about earlier.
- The low liquidity and low margin requirement for CRV on Aave means after Eisenberg's "trap short" on CRV, and a possible subsequent pump in CRV price (e.g., trying a short-squeeze), Aave will have difficulties covering the CRV short as the platform allegedly does not have enough liquidity to buy back more than 20% of the short.
- With the CRV price increase in recent days (likely supported by the crvUSD whitepaper release), Eisenberg's position was liquidated. But his overall profit is unknown as he may have off-chain positions.

NFT & Metaverse

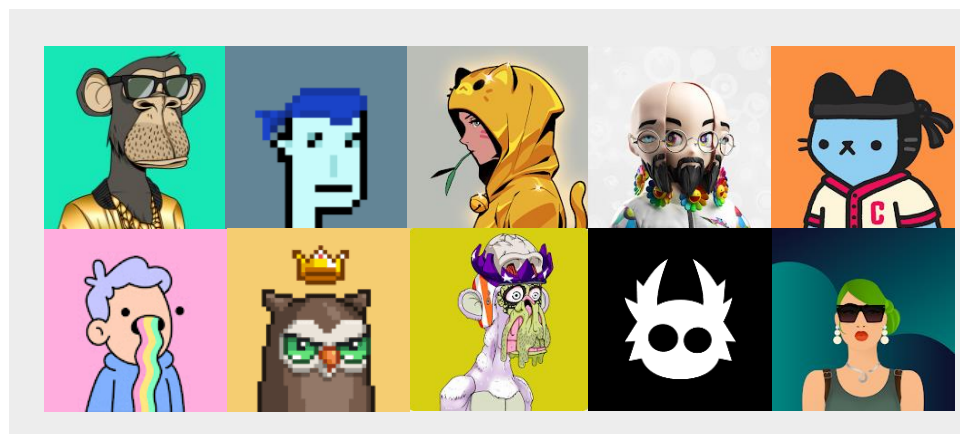
NFT & Metaverse Summary

1. **NFT Dashboard** – CryptoPunks floor price overtakes Bored Ape Yacht Club
2. **NFT volume retraces following earlier spike**
3. **News & Headlines**

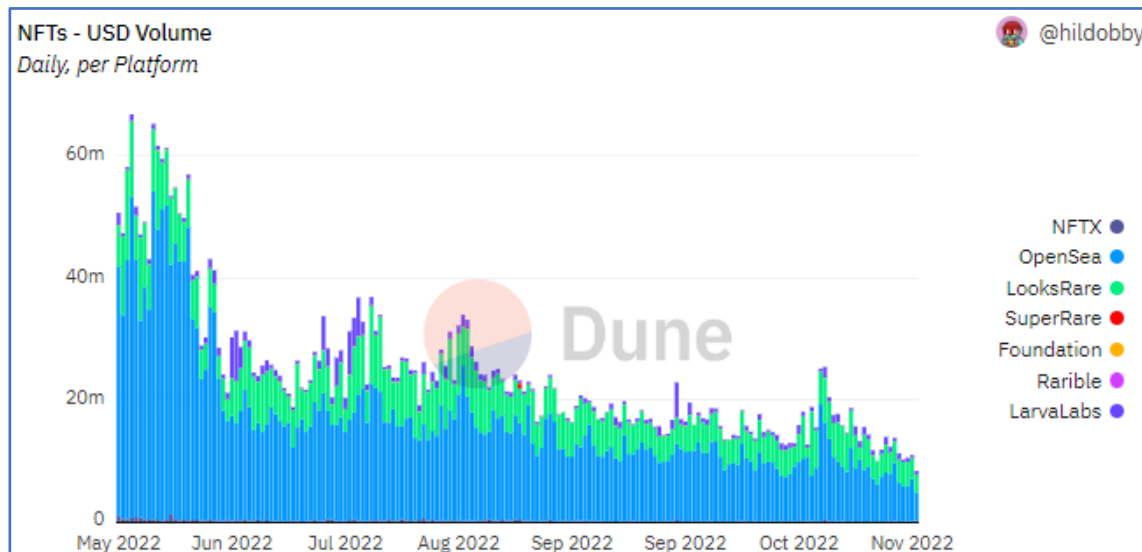
NFT Dashboard

Project	Floor Price	14D	YTD
"Blue Chip" Projects			
Bored Ape Yacht Club	60.0Ξ	-7.7%	-5.7%
CryptoPunks	63.5Ξ	-1.2%	-1.8%
Tier-A Projects			
Azuki	9.7Ξ	-2.6%	178.3%
Clone X	8.3Ξ	11.1%	106.9%
Cool Cats	1.9Ξ	-4.7%	-85.8%
Doodles	6.7Ξ	14.1%	2.5%
Moonbirds	7.0Ξ	-4.3%	-44.2%
Mutant Ape Yacht Club	10.8Ξ	-4.3%	-7.4%
Otherdeeds	1.2Ξ	17.0%	-82.9%
World of Women	1.6Ξ	-22.1%	-24.2%

Top Sales of the Week*	Price	Top Collections of the Week* (by volume)	Volume (USD)
BAYC #8633	\$738.1k	Bored Ape Yacht Club	\$6.5m
CryptoPunk #7261	\$324.2k	CryptoPunks	\$5.5m
Fidenza #280	\$321.9k	Gods Unchained	\$4.2m
BAYC #8436	\$244.5k	Otherdeed	\$3.8m
Azuki #6737	\$145.0k	Mutant Ape Yacht Club	\$3.2m
CryptoPunk #2889	\$130.8k	Art Blocks Explorations	\$3.0m
CryptoPunk #1843	\$130.2k	y00ts	\$2.0m
CryptoPunk #593	\$125.1k	CloneX	\$1.8m
Axie Land (-30, -30)	\$121.0k	DeGods	\$1.3m
CryptoPunk #2512	\$117.7k	Azuki	\$1.2m

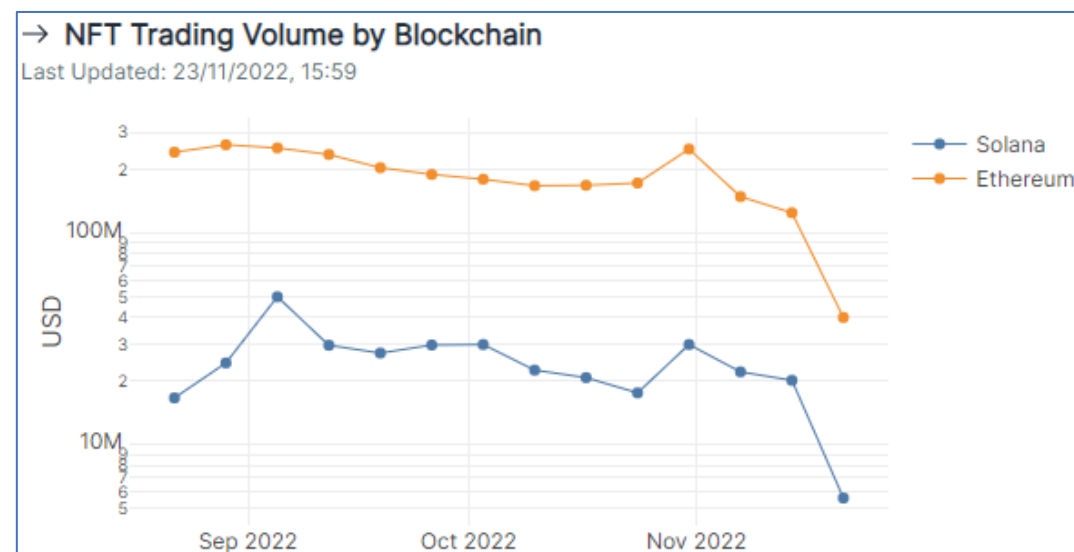


NFT volume retraces following earlier spike



- **NFT volume is back down again after a brief spike in early November.** As users finish selling assets (risk-off appetite), the current period reflects a wait-and-see approach in risk assets like NFTs.
- MagicEden announced that it would be supporting Polygon on its multi-chain vision, after adding support for Ethereum in August.

Marketplace	Average Price per Trade*
OpenSea	US\$84.3
MagicEden	US\$68.4



News & Headlines

Nike Launches .SWOOSH Web3 Platform

.SWOOSH, a web3-enabled platform will allow Nike members to learn, collect, and help co-create virtual Nike creations such as virtual shoes or jerseys. Members who win the opportunity to co-create a virtual product with Nike will be able to earn a royalty on the product. [[Nike](#)]

Cristiano Ronaldo Launches NFT Collection with Binance

World famous football player Cristiano Ronaldo, as part of a multi-year partnership with Binance, will launch his first NFT collection ahead of the World Cup. The collection will feature four rarity levels featuring unique perks, such as signed football shirts, access to future CR7 NFT drops, etc. [[Binance](#)]

Saudi Arabia-themed NFT Soars After World Cup Win

A Saudi Arabia-themed NFT, “The Saudis,” soared nearly 400% after the country’s 2-1 win upset against Argentina, which is considered one of the contenders for the World Cup champions. [[CoinDesk](#)]

Yuga Labs Acquires Beeple’s 10KTF

Yuga Labs has acquired 10KTF, the NFT game founded by digital artist Beeple. 10KTF is a browser-based NFT games that allows players to outfit heroes with items to complete missions in return for coins, badges, and airdrops.

[[CoinTelegraph](#)]

Grand Theft Auto Bans NFTs on Servers

Following the footsteps of Minecraft, Grand Theft Auto has banned NFTs from its third-party online servers. The maker of the game Rockstar Games said that developers cannot integrate crypto or NFTs in servers, specifically aimed at role play servers. [[The Block](#)]

Ape Staking Website to be Geoblocked

The ape staking website, ApeStake.io, will be geoblocked in sanctioned countries as well as the US and Canada. This is likely due to legal gray areas in the US and a way to deflect legal trouble; users are still likely to interact directly with the contract. [[@HorizenLabs](#)]

Policy and Regulatory

Policy & Regulatory Updates

- Court-appointed liquidators overseeing FTX's assets in the Bahamas have agreed to transfer a case they filed in New York to Delaware, where the company had already filed for bankruptcy protection. The agreement comes after the liquidators at the time said FTX was not allowed to file for bankruptcy in the US.
- The New York Fed is partnering with several global financial institutions, including Citigroup, Wells Fargo, and Mastercard in a 12-week experimental digital dollar pilot. The pilot will test how a CBDC can help speed up settlement time in currency markets.
- New York has imposed a two-year moratorium on PoW crypto mining. The bill comes into effect after the New York State Senate passed the bill earlier in May.
- Tether has reportedly frozen FTX USDT at the request of law enforcement while investigations occur.
- South Korean lawmakers are proposing to amend a crypto regulation bill that would grant financial regulators more power over crypto exchanges in the wake of the FTX collapse. The bill mandates the separate management of customer deposits and focuses on bolstering investor protection and supervision of business operators.
- Two members of the US Senate have called on the Justice Department to investigate the collapse of FTX with the “utmost scrutiny,” and specifically called out SBF for his role in the collapse, calling for FTX execs to be held accountable to the “fullest extent of the law.”
- The Bank of Japan has reportedly planned experiments on a digital yen with various major and regional banks in the country. The experiments would help the banks and government identify problems with deposits and withdrawals, and how a CBDC can operate during natural disaster or areas without internet access.
- The El Salvador government has launched a digital securities bill that confirms the government's plan to raise US\$1 billion in “Bitcoin Bonds” and invest them into the construction of a Bitcoin city.

Notable Tweets

Notable Tweets

Elon chimes in on BTC



Elon Musk
@elonmusk

@dawallach @Jason BTC will make it, but might be a long winter

2:36 PM · 14 Nov, 2022

2.2K replies 6.4K shares 27.8K likes

SBF's tweets post-collapse



Cobie
@cobie

@SBF_FTX Man took 3 days to type "what H A P P E N E D" and then followed up writing meaningless platitudes about stuff we already know

11:22 AM · 16 Nov, 2022

143 replies 140 shares 5.3K likes

El Salvador DCA bitcoin



Nayib Bukele
@nayibbukele

We are buying one #Bitcoin every day starting tomorrow.

1:28 PM · 17 Nov, 2022

9.8K replies 16.3K shares 82.4K likes

Exposing Gate.io's 2018 hack



ZachXBT
@zachxbt

You talk about the importance of security but how about you finally disclose @gate_io was quietly hacked by NK for \$230m on April 21 2018 & how you actively kept this hidden from customers/public

No one in the space should trust anything you say after how that mess was handled

With control of The Exchange 1's private keys, the North Korean co-c
owing virtual currencies:

	Est. Amount	Est. Dollar Value
	10,777.94	\$94,145,839.41
	218,790	\$131,005,511.85
EC)	3,783	\$1,020,809.45
1 (DOGE)	99,999,000	\$560,944.39
(RP)	3,043,268	\$2,660,100.78
(LTC)	11,000	\$1,639,699.05
1 Classic (ETC)	175,866	\$3,304,763.96
Total		\$234,337,668.88

10:05 AM · 15 Nov, 2022

209 replies 667 shares 3.4K likes

Elon Musk very vocal about SBF



Elon Musk
@elonmusk

@teddyschleifer If SBF was as good at running a crypto exchange as he was at bribing media, FTX would still be solvent!

9:35 AM · 24 Nov, 2022

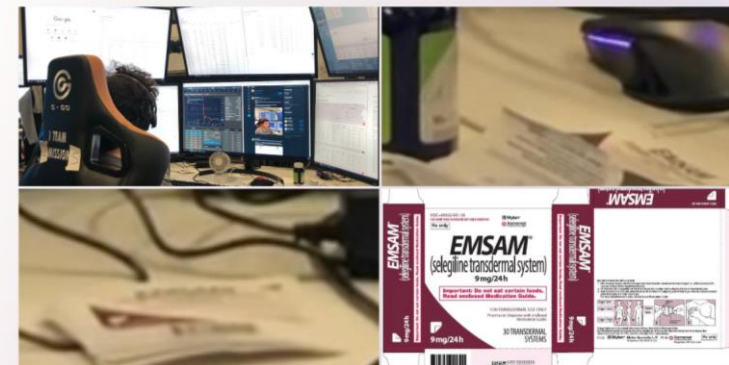
1.3K replies 2.2K shares 13.9K likes

Twitter detectives find SBF's drug patch



Autism Capital
@AutismCapital

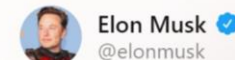
EXTRA CONFIRMED: The stimulant patch that Sam preferred was EMSAM, a drug normally used to treat depression or Parkinson's, but used off-label for its alertness and focus benefits.



3:28 AM · 15 Nov, 2022

413 replies 1.1K shares 7.3K likes

(In)effective altruism



Elon Musk
@elonmusk

SBF is ineffective altruism, but they thought he was saying he was in effective altruism. Easy misunderstanding.

11:15 PM · 17 Nov, 2022

2.7K replies 3.9K shares 60.5K likes

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