

FEBRUARY 20TH 2024

CRYPTONAIRE WEEKLY

CRYPTO INVESTMENT JOURNAL

324TH
EDITION

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EDITORS

After a lackluster performance in January, Bitcoin picked up momentum in February and has risen about 22%, indicating aggressive buying by the bulls. CoinShares Digital Asset Fund Flows Weekly Report shows weekly inflows of \$2.45 billion into digital asset investment products last week. This takes the total year-to-date inflows to \$5.2 billion.

Data from market intelligence platform Santiment shows that the bigger whales, with wallets holding 1,000 to 10,000 Bitcoin, have purchased Bitcoin worth \$12.95 billion in 2024. However, during the same time, the smaller whales, with wallets holding 100 to 1,000 Bitcoin, have been sellers worth \$7.89 billion.

Apart from the robust Bitcoin ETF inflows, markets are excited about the forthcoming halving due on April 19. Historical data shows that Bitcoin rises about 32% in 60 days prior to the halving. If history repeats itself, then Bitcoin, which is trading near \$52,000, could soar to its all-time highs by halving.

LETTER

We said in the previous analysis that Bitcoin could pick up momentum after crossing \$45,000 and that is what happened. The BTC/USD pair reached our expected target objective of \$52,000 on February 14.

The bears are trying to halt the rally at \$52,000, but a positive sign is that the bulls have not given up much ground. This suggests that the buyers are not hurrying to close their positions as they anticipate another leg higher.

If the price breaks and closes above \$53,000, the pair could start the next leg of the uptrend. The pair may then climb to \$60,000, which is likely to act as a stiff hurdle.

While the upsloping 20-day exponential moving average (EMA) indicates advantage to buyers, the relative strength index (RSI) in the overbought zone suggests that a minor correction or consolidation is possible.

If the price slips below \$50,500, the next stop is the 20-day EMA. The bears will have to yank the price below the 20-day EMA to signal a short-term top. The pair could then plunge to \$45,000.

Lastly please check out the advancement's happening in the cryptocurrency world.

Enjoy the issue

Karnav Shah

Karnav Shah

Founder, CEO & Editor-in-Chief



CRYPTONAIRE WEEKLY



Cryptonaire Weekly is one of the oldest and trusted sources of Crypto News, Crypto Analysis and information on blockchain technology in the industry, created for the sole purpose to support and guide our Crypto Trading academy clients and subscribers on all the tops, research, analysis and through leadership in the space.

Cryptonaire weekly, endeavours to provide weekly articles, Crypto news and project analysis covering the entire marketplace of the blockchain space. All of us have challenges when facing the crypto market for the first time even blockchain-savvy developers, investors or entrepreneurs with the ever-changing technology its hard to keep up with all the changes, opportunities and areas to be cautious of.

With the steady adoption of Bitcoin and other cryptocurrencies around the world, we wanted not only to provide all levels of crypto investors and traders a place which has truly great information, a reliable source of technical analysis, crypto news and top emerging projects in the space.

Having been publishing our weekly crypto magazine 'Cryptonaire Weekly' for since early 2017 we have had our fingertips at the cusp of this exciting market breaking through highs of 20k for 1 Bitcoin to the lows of \$3500 in early 2021. Our Platinum Crypto Academy clients (students and mentee's) are always looking for shortcuts to success to minimize expenses and possible loses. This is why we created our Crypto Magazine. Those who wish to invest their assets wisely, stay updated with the latest cryptocurrency news and are interested in blockchain technology will find our Weekly Crypto Magazine a valuable asset!



324th EDITION

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WEEKLY CRYPTOCURRENCY MARKET ANALYSIS

Hello, welcome to this week's 324th edition of Cryptonaire Weekly Magazine. The global crypto market cap is \$1.98 Trillion, up 110 Billion since the last week. The total crypto market trading volume over the last 24 hours is at 70.31 Billion which makes a 3.08% increase. The DeFi volume is \$6.6 Billion, 9.39% of the entire crypto market's 24-hour trading volume. The volume of all stable coins is \$63.02 Billion, which is 89.63% share of the total crypto market volume the last 24 hours. The largest gainers in the right now are Storage and Polkadot Ecosystem cryptocurrencies.

Bitcoin's price has increased by 3.8% from \$50,050 last week to around \$51,950 and Ether's price has increased by 10.75% from \$2,650 last week to \$2,935. Bitcoin's market cap is \$1.01 Trillion and the altcoin market cap is \$970 Billion.

After a lackluster performance in January, Bitcoin picked up momentum in February and has risen about 22%, indicating aggressive buying by the bulls. CoinShares Digital Asset Fund Flows Weekly Report shows weekly inflows of \$2.45 billion into digital asset investment products last week. This takes the total year-to-date inflows to \$5.2 billion.

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then Bitcoin, which is trading near \$52,000, could soar to its all-time highs by halving.

Analysts at AllianceBernstein also sent out a bullish note circulated to clients. They believe the markets have priced in the launch of the spot Bitcoin ETFs but the halving's supply crunch has not yet been accounted for. The analysts said the ETF inflows are primarily driven by retail investors who have been Bitcoin believers. However, "in the coming days," the ETFs will see investments from new Bitcoin enthusiasts. This will lead to fear of missing out (FOMO), propelling Bitcoin to new all-time highs in 2024.

Along with the long-term bullish picture, the medium-term story also looks positive. Bitcoin has risen for four consecutive weeks through Feb. 18. In the past five years, whenever Bitcoin has rallied for four straight weeks, it is followed by an average 49% gain over the following three months, according to Bloomberg data.

Percentage of Total Market Capitalization (Dominance)

Bitcoin	49.44%
Ethereum	16.88%
Tether	4.70%
BNB	2.61%
Solana	2.38%
XRP	1.48%
Cardano	1.07%
Dogecoin	0.60%
Others	20.85%

CRYPTO TRADE OPPORTUNITIES

BITCOIN - BTC/USD



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If the price slips below \$50,500, the next stop is the 20-day EMA. The bears will have to yank the price below the 20-day EMA to signal a short-term top. The pair could then plunge to \$45,000.

[Previous Analysis...](#)

ETHEREUM - ETH/USD



We highlighted in the earlier analysis that Ether's bearish momentum was slowing down. We also said that if the ETH/USD pair broke above the moving averages, it could rise to \$2,400 and subsequently to \$2,700. All these levels played out the way we had anticipated.

The positive momentum broke above the \$2,700 resistance on February 14 and the pair started its journey toward the psychologically important level of \$3,000.

If the price turns down from \$3,000 but rebounds off \$2,700, it will signal that the bulls have flipped the level into support. That will increase the possibility of a rally to \$3,500.

The risk for a further upside is the overbought level on the RSI. If the price turns down and breaks below the 20-day EMA, it will indicate that the bulls are rushing to the exit. That could start a further decline toward the strong support of \$2,400.

[Previous Analysis...](#)

BINANCE - BNB/USD



In the previous analysis, we projected Binance Coin to rally to \$338 if bulls pushed the price above the downtrend line of the descending triangle pattern and that is how it behaved.

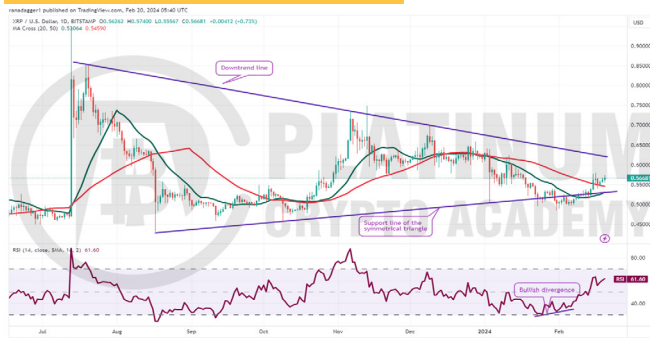
The bears were expected to mount a stiff resistance at \$338, but the buyers bulldozed their way through. The BNB/USD pair is facing resistance near \$360, but the bulls have not ceded ground to the bears. This suggests that the buyers anticipate the uptrend to continue.

If the price turns up from the current level and breaks above \$367, it will indicate the resumption of the uptrend. The pair could then surge to \$400. The upsloping 20-day EMA and the RSI in the overbought zone indicate that bulls remain in control.

This positive view will be invalidated if the price turns down sharply and breaks below the 50-day simple moving average (SMA). Such a move will suggest that the bulls are back in the game.

Previous Analysis...

RIPPLE - XRP/USD



We cautioned traders in the previous analysis that XRP's bullish divergence on the RSI indicated that the selling pressure was reducing. We also said that a break above the 20-day EMA could open the

doors for a rally to the 50-day SMA and that is how it played out.

The 20-day EMA has started to turn up gradually and the RSI is in the positive territory, indicating a minor advantage to buyers. If the price rises above \$0.58, the pair could reach the downtrend line.

A break and close above the downtrend line will indicate the start of the next leg of the up move. The pair could then attempt a rally to \$0.70 and later to \$0.75.

Contrarily, if the price turns lower from the downtrend line, it will signal that the bears continue to defend it with vigor. That could keep the pair stuck inside the triangle for some more time.

Previous Analysis...

CARDANO - ADA/USD



We said a break and close above the downtrend line could drive Cardano to the 50-day SMA and thereafter to \$0.62 and that is what happened. The moving averages have completed a bullish crossover and the RSI has risen near the overbought

zone, indicating that the bulls are in command.

However, the bears are unlikely to give up easily. They will try to pose a strong challenge in the zone between \$0.64 and \$0.70. If bulls do not give up much ground from the overhead zone, it will increase the possibility of a break above it. If that happens, the ADA/USD pair could reach \$0.90.

The 20-day EMA is the important support to watch out for on the downside. A break and close below the 20-day EMA could indicate that the pair may swing between \$0.46 and \$0.70 for a few more days.

Previous Analysis...



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Rollman Mining facilitates the procurement of hard-to-access miners, software, pools, and hosting sites. Whether you are looking for a single miner or you need help with a large and complex project, you can count on Rollman Mining to provide world-class support, both during and after purchase.



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Looking for the most efficient and high-performing mining solution that won't consume too much power? Look no further than the Bitmain series! Our wide range of models boasts top-of-the-line features and specs, providing you with a competitive edge and excellent value for your investment.

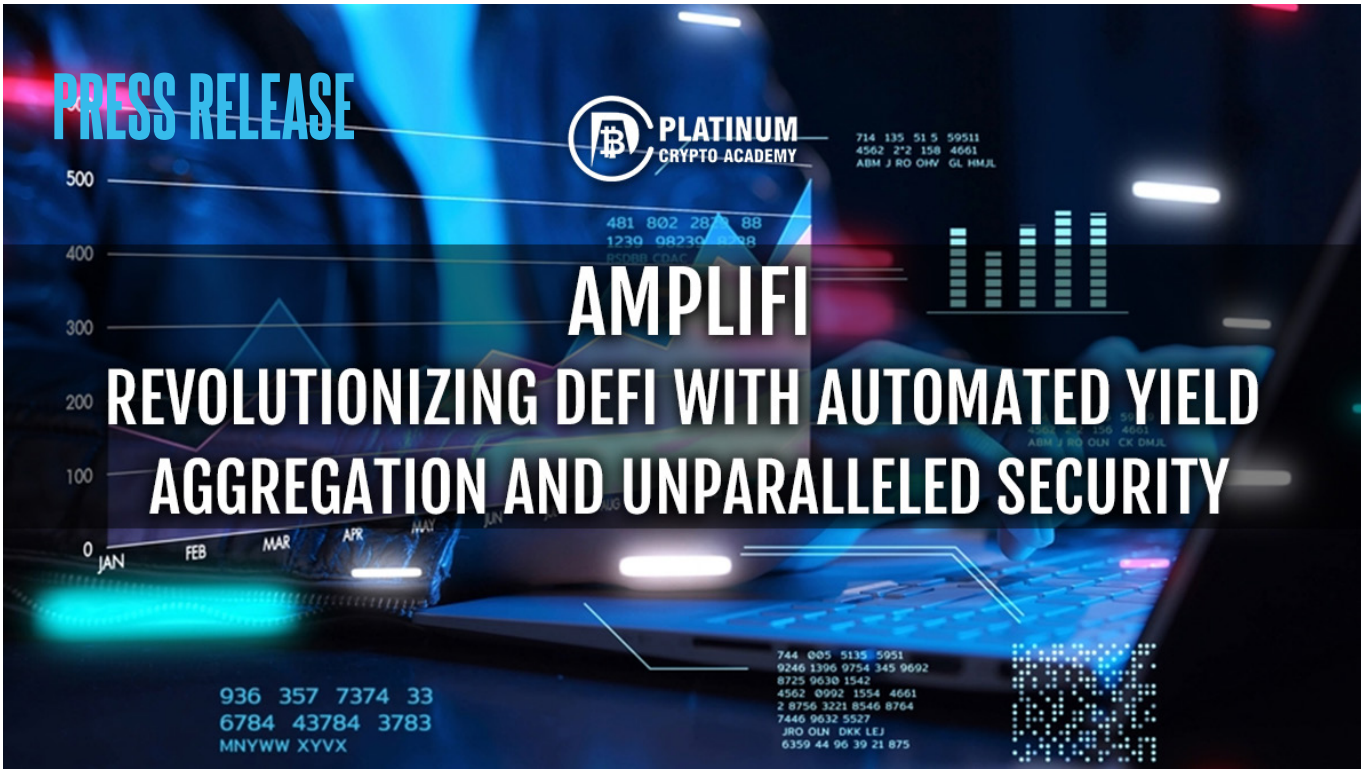


**BITCOIN BUILDERS
OF THE FUTURE**



OUR *EDGE*

- Benefit from our approach
- Leverage our network
- Investment professionals
- Institutional grade firm
- Sustainable and transparent
- World-class support



Summary: **Amplifi**, the pioneering force in decentralised finance (DeFi), is set to reshape the landscape of yield generation by introducing an innovative approach to asset aggregation. Unlike current yield aggregators, Amplifi utilises machine learning and complex algorithms to create baskets of similar assets maximising returns for users.

Key Features of Amplifi

- 1. Powered by Machine Learning & Complex Algorithms:** Amplifi leverages cutting-edge machine learning and complex algorithms to optimize yield generation and create robust asset baskets.
- 2. Fully Automated:** The Platform is entirely automated, eliminating manual intervention in strategies. Unlike centralized counterparts like Nexo and Celsius, Amplifi ensures that no one on the team can access user’s assets.
- 3. Decentralised and Distributed Assets:** Amplifi eliminates the single points of failure seen in centralised entities. User’s assets are distributed across multiple pools, protocols, and chains enhancing security. Even if one pool is exploited, user assets remain safe.
- 4. Non-Custodial Wallets:** Amplifi employs non-custodial wallets, ensuring that users can access their assets independently even if the platform experiences downtime.

5. Secure and Trusted Protocols: Amplifi exclusively partners with secure and trusted protocols, prioritising the safety of user’s assets

6. Earn on Fiat Functionality: Amplifi is in the process of obtaining necessary licensing to enable users to earn on fiat, making DeFi accessible to a broader audience.

7. User-Focused Accessibility: With a strong emphasis on user-experience (UX) and user interface (UI), Amplifi is committed to breaking down barriers and making DeFi more accessible.

8. Airdrop Strategy: Amplifi incorporates a strategic airdrop approach to attract users to the platform, fostering community engagement.

9. Stable 10% APY Across Stablecoins: As an initial product offering, Amplifi targets a stable 10% Annual Percentage Yield (APY) across all stablecoins. According to a trusted source at Amplifi, “Amplifi is poised to transform the DeFi landscape, providing users with a secure, automated and accessible platform to maximise their returns. We are committed to removing barriers to DeFi Adoption by making it simple, time efficient and at an optimised cost.”

Traction to Date and Future Plans

MVP Build: Amplifi’s Minimum Viable Product (MVP) includes a web app with high level security features,

main and sub-account functionality for B2B multi-strategy setup.

Developer Hiring: The company has assembled a highly proficient team of blockchain developers with over a decade of collective experience, including a lead developer who has consulted over 100 blockchain projects.

Network Building: Amplifi has established a vast network in the web3 space, with a curated list of over 1000 VCs and 500 crypto hedge funds to tap into upon MVP launch.

Amplifi announces an upcoming Airdrop alongside their **Zealy campaign**, where completing at least level 1 makes users eligible to join the early access waitlist.

About Amplifi

Amplifi is a leading decentralised finance (DeFi) platform revolutionising yield generation through automated asset aggregation, machine learning, and unparalleled security.

The advertisement features the Amplifi logo at the top, followed by the title 'Next Generation Earning' in large white and blue text. Below the title is the tagline 'Grow your capital, DeFi on autopilot'. The central focus is a smartphone mockup displaying a digital wallet interface. The screen shows a balance of \$10,487, a deposit amount of +\$10,000, and a balance return of +\$487. At the bottom of the screen, there is a purple plus icon and the text 'Add Funds'.

SPONSORED PRESS RELEASE



RHUNA Launches to Revolutionize the Events and Entertainment Industry with Fintech Innovation

Bucharest, Romania, February 19th, 2024, Chainwire

RHUNA is a visionary fintech platform dedicated to revolutionizing the events and entertainment industry through innovative technology.

[Read more...](#)



Kadena SpireKey Integrates with WebAuthn to Provide Seamless Web3 Interactions

New York City, New York, February 16th, 2024, Chainwire

Introducing Kadena SpireKey, a human-friendly and secure way to seamlessly interact with any application by removing complex signing processes.

[Read more...](#)



First-Ever ICO on Bitcoin Blockchain Launches in Under 2 Hours

London, UK, February 14th, 2024, Chainwire

Bitcoin Dogs will make history in less than two hours' time as the world's first ICO on the Bitcoin blockchain gets underway.

[Read more...](#)



American University of Sharjah and Sui Launch Blockchain Academy to Seed the Next Generation of web3 Builders

Sharjah, UAE, February 13th, 2024, Chainwire

A major highlight in a series of academic initiatives, the new alliance will bring a cutting-edge blockchain education to the university and support further innovation of the technology.

[Read more...](#)



EarnBet.io Processed \$1 Billion In Bets and Distributed Millions in User Rewards and Rakeback

Willemstad, Curaçao, February 13th, 2024, Chainwire

EarnBet.io, an online crypto gambling platform today proudly announces that it has processed over \$1 billion in bets and transferred millions.

[Read more...](#)



Unveiling The Dragons: The World's First Token Amulets

Kuala Lumpur, Malaysia, February 10th, 2024, Chainwire

Today, dragonsworld introduces The Dragons project: the pioneering token talisman crafted by a team of crypto enthusiasts, dedicated to infusing the ancient energy of this revered symbol into the digital realm.

[Read more...](#)



Bitcoin Dogs Set To Make History With First Ever ICO on Bitcoin Blockchain

London, United Kingdom, February 9th, 2024, Chainwire

Bitcoin Dogs is set to be part of cryptocurrency history with the first ever ICO on the Bitcoin blockchain, launching on February 14th, 2024.

[Read more...](#)



CoinMarketCap Research Examines an Innovative Blockchain Product Bridging Traditional and Decentralized Finance in Its New stUSDT Report

Dubai, UAE, February 9th, 2024, Chainwire

CoinMarketCap Research, the research division of the world's leading crypto data authority CoinMarketCap, has published an in-depth analysis on stUSDT – an innovative stablecoin that enables users to earn yield by staking their USDT.

[Read more...](#)



ADVANCEMENTS IN THE CRYPTOCURRENCY WORLD

BTC PRICE DICES WITH \$52K AS CME BITCOIN FUTURES OI HITS RECORD \$6.8B

Bitcoin open interest suggests the potential for fresh volatility as BTC price support levels become clear for the weekly candle close.

Bitcoin BTC \$52,228 returned to the center of an intraday trading range into the Feb. 18 weekly close as bulls profited from weekend trading.

Trader: Bitcoin rally “healthy” despite OI surge
Data from Cointelegraph Markets Pro and TradingView showed \$52,000 acting as a focal point for BTC price consolidation.

The largest cryptocurrency saw a dip to \$50,680 on Bitstamp the day prior, marking its lowest levels in several days.

A swift rebound added nearly \$1,500 in the hours that followed, however, and at the time of writing, the lows had not seen a fresh retest.

Analyzing the week’s action, popular trader Skew

flagged a change in trader behavior in the latter half of the Wall Street trading week.

Spot buying, he revealed, had subsided toward the weekend, with “mostly taker driven dips & bounces since.”

“So far seeing some spot buyers return here with binance spot leading,” he wrote on the day.

Discussing open interest more broadly, however, popular trader Daan Crypto Trades noted a divergence when this was denominated in BTC.

“Funding has mostly kept it’s neutral rate and open interested denominated in \$BTC is lower. In USD value of course it has gone up during this time as the underlying asset (BTC) went up in value.”

Continuing, Skew said that bulls needed to preserve upward momentum in Bitcoin’s relative strength index (RSI) on 4-hour timeframes into the weekly close.

[Read more...](#)

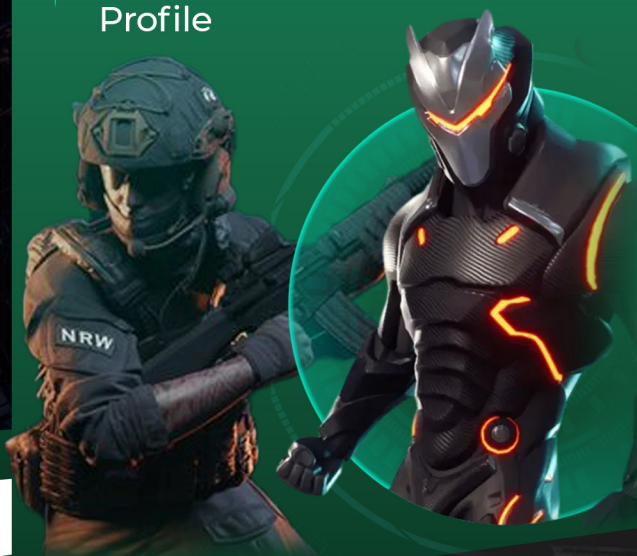
JOIN OUR MISSION TO UNITE THE GLOBAL GAMING COMMUNITY

PvP is a Universal Gamer Community and the Ultimate Gaming Hub. A gamer social ecosystem including GameFi marketplace & token built for the future of gaming (web2 and web3), the creator economy, and authentic social interactions.



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- 60-76% discount off of listing price
- Can stake invested tokens for up to 35% target APY during release schedule
- Earn up to 105% reward tokens from investor staking program
- Investor badge on your PvP Profile



PRESALE DETAILS

- INVEST HERE** safely on our offering page hosted and secured by Raze Finance.
- Click "Login", then "Verify Investor" to clear KYC
- Click "Invest" to execute SAFT and transfer funds

Invest in Presale





Ethereum Whale Accumulated \$155.7M Worth Of ETH, Price Near To Hit \$3,000

Bloomberg's Eric Balchunas pointed out that GBTC shares flipped to a 0.9% discount versus net asset value amid "likely due to selling pressure." Terms of the deal were not disclosed in the announcement.

As the crypto market is entering into the bullish phase, a substantial Ethereum (ETH) whale has seized the opportunity with a massive acquisition, accumulating \$155.7 million in ETH. This acquisition comes as Ethereum edges closer to the \$3,000 mark, sparking optimism among investors.

Anonymous Hefty ETH Acquisition
In a recent tweet post SpotOnChain, a prestigious cryptocurrency

analysis firm sheds light on the anonymous acquisition made by Whale. In a mere 50 minutes, this influential whale secured 22,719 Ethereum (ETH), making a noteworthy investment of \$65.7 million.

This remarkable acquisition strategy involved a strategic withdrawal of 19,226 ETH, equivalent to \$55.6 million, directly from one of the most prominent cryptocurrency exchanges, Binance.

Simultaneously, the whale opted for a decentralized approach by conducting a swap of 10.1 million USDT for 3,493 ETH through the decentralized finance (DeFi) platform 1inch.

[Read more...](#)

Wall Street is missing out on DeFi

If DeFi can just figure out how to improve both security and compliance, nothing would stop traditional finance from entering the game

Decentralized finance is a game that anyone can play. Hosted on a level playing field, it's a sport that doesn't discriminate. Rich or poor, professional or amateur, consumer or institution: It makes no difference.

Given the rich opportunities available within DeFi — attractive yields, liquidity, global accessibility and round-the-clock availability

— it's worth pondering what's preventing bigger fish from entering. Particularly those with the technical means and the money to extract the most value out of decentralized finance — institutions.

What's keeping TradFi away? In the wake of the first bitcoin ETF, institutional interest in crypto is riding high. Major players like BlackRock are eyeing asset tokenization, further legitimizing crypto as an asset class. Real-world assets (RWAs) have become a multi-billion dollar industry and ambitious



Wall Street players like JPMorgan are experimenting with blockchain, albeit on private networks.

All of which raises the question: What's preventing traditional finance from doing DeFi? After all, trading firms have a mandate to make money, and goodness knows there's

enough of it swilling around in decentralized finance to turn wealthy investors into on-chain whales. DeFi activities such as lending, collateralization and staking could potentially all be countenanced by forward-thinking institutions.

[Read more...](#)



minutes
NETWORK TOKEN



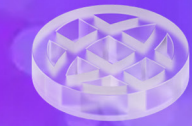
Minutes Network Token - The Sharing Economy Of The Telecommunications Minutes Market

Game Changing Revenue Creation

Take a deeper dive into the world of Minutes Network and MNT disruptive innovations.

Minutes Network operates in the \$251B telecom minutes market as the lowest-cost carrier through our proprietary next-generation technologies.

Global Presence



Minutes Network Team



MinTech Proprietary Technologies



MNT Token



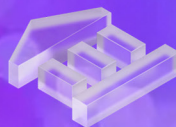
Revenue-Fuelled Sharing Economy



Buy Back, Burn and Reward Distribution



3,000 Node Staking Opportunities



500,000,000 MNT Supply



MINUTES NETWORK

TOKEN PORTAL



Join The MNT Community.





Japan Moves Closer to Allowing Venture Capital Firms to Hold Crypto Assets

If approved in parliament, the draft bill could see VCs fund Web3 startups in exchange for crypto assets.

Japan's government approved a bill that allows venture capital firms and investment funds to hold crypto assets.

If passed by parliament, the bill could boost investment in Web3 startups. Japan's cabinet approved a bill that adds crypto to the list of assets the nation's investment funds and venture capital firms can acquire, the Ministry of Economy, Trade and Industry said Friday.

Japan has been a global leader in framing a regulatory framework for stablecoins, and has indicated plans to promote Web3

while remaining tough on user protection. In September 2023, Nikkei reported that the country planned to relax rules for VC firms to invest in crypto startups.

Now the cabinet has approved the move, the amended bill will be introduced and debated in the current session of parliament, the Diet.

The revision could see VCs fund Web3 startups in exchange for crypto assets.

The amendment of the Industrial Competitiveness Enhancement Act was passed with the stated objective to "promote the creation of new businesses and investment in industry" and provide "intensive support to medium-sized companies and startups.

[Read more...](#)

Sam Altman's Worldcoin Has Surged 40% Since OpenAI Launched Sora

Although Worldcoin is entirely unrelated to OpenAI, crypto investors appear to want exposure to Sam Altman's success through WLD.

WLD, the token of Sam Altman's crypto-powered digital ID project Worldcoin, has surged 40% in the past day.

Worldcoin's WLD token is currently trading at \$7.44, up 39.8% on the

day and 185.8% in the past week, per data from CoinGecko.

The token's price surge kicked off on February 15, the same day that Altman's firm OpenAI launched text-to-video AI app Sora. Keep in mind that the projects are entirely unrelated. But Worldcoin is the only crypto project directly linked to Altman, who co-founded the company—suggesting that crypto traders



are seeking exposure to the OpenAI CEO as the firm's cachet rises following the launch of Sora.

Tokens linked to artificial intelligence projects (again, with no relation to OpenAI) are also performing well in recent days. CoinGecko's aggregated category of AI coins is up over 11% in the past day and over 40% in the past week. Standout performers include

SingularityNet, up 93.2% in the past week, Fetch.ai (up 48.5% over the same period) and Ocean Protocol (up 68.1%).

Worldcoin is a crypto project aiming to create a global ID system to prove "personhood" in order to combat bots. A hardware device, the Orb, is used to scan users' irises in order to provide a unique "fingerprint," the IrisCode.

[Read more...](#)



THE ROLLMAN MINING EDGE YOUR GATEWAY TO CRYPTO WEALTH

Cryptocurrency mining is rapidly gaining popularity and adoption worldwide. The crypto mining market has seen tremendous growth in recent years as more people seek to capitalize on the rising value of digital currencies like Bitcoin. Industry analysts forecast the global crypto mining market to expand at a compound annual growth rate of 7.8%, reaching a value of over \$2.26 billion by the end of 2029. Rollman Mining emerges as an innovative ecosystem within this expanding market.

Rollman Mining aims to democratize access to Bitcoin mining as interest in crypto mining rises. Their innovative platform allows individuals with no technical expertise to earn passive income by mining Bitcoin. With crypto adoption accelerating globally, Rollman Mining provides an easy entry point for crypto-curious individuals to participate in this booming market. In this article, we'll cover Rollman Mining's innovative platform in detail.

What is Rollman Mining?

Rollman Mining is a world-class mining, hosting, and management firm. Rollman Mining provides end-to-end solutions for procuring hardware like miners, installing mining software, connecting to mining pools, and hosting mining rigs. They handle all the complex backend operations required for successful crypto mining.

Rollman Mining allows users without technical expertise to start mining from home and earn passive crypto income. Their mining experts help identify the optimal hardware, software, and hosting configurations to maximize mining profitability based on your needs. Rollman also offers complete maintenance and monitoring of your mining rigs to ensure maximum uptime and performance.

What Solutions Does Rollman Mining Bring to the Crypto Mining World?

Professional-Grade Bitcoin Mining Equipment

Rollman Mining provides professional-grade Bitcoin mining machines tailored to each client's needs. Their experts identify and source optimal miners and equipment to maximize mining productivity and profitability. Rollman handles procurement, shipping, installation, and maintenance of mining rigs with industry-leading performance.

Site Selection

Rollman gives clients access to the best mining facility locations and infrastructure to boost success. Their team vets sites globally based on power costs, network stability, climate control, security, and other factors that impact mining ROI.

Industry-Leading Pricing

By monitoring 500+ industry leaders worldwide, Rollman secures unmatched prices on mining

hardware, software, hosting, and other services. Their wholesale purchasing power and direct partnerships allow them to offer institutional-grade solutions at industry-leading prices.

Mining Management

Rollman provides institutional-grade support like active monitoring, optimization, and troubleshooting of mining operations. Their experts manage all complex backend mining tasks, enabling clients to earn passive crypto income. With sustainability and profitability as guiding principles, They structure mining solutions to maximize long-term gains for clients.

Experienced Investment Professionals

The Rollman Mining team brings over a decade of expertise in the cryptocurrency and blockchain space. This is complemented by over 20 years of experience across global financial markets and real estate from the founders and key team members. The team has a proven track record of managing billions in assets for renowned institutional clients, family offices, and high-net-worth individuals.

Transparent Business Practices

Transparency and open communication are core principles guiding Rollman Mining's business practices. Clients can access real-time data on mining operations and track investments and returns. Further, clients can reach support staff anytime for updates, questions, and concerns.

Why Invest in Crypto Mining Now?

Cryptocurrency mining has emerged as an appealing investment opportunity for several key reasons. Traditional banks and governments have lost trust because of problems like economic crises and scandals. Cryptocurrencies offer a new way of handling money controlled by everyone, not just big institutions. Cryptocurrencies restore power to individuals through the transparency and security of blockchain technology.

Cryptocurrency networks also enable seamless transfers of various assets like currencies, stocks, and real estate on digital platforms. This streamlines global finance and allows the potential of financial markets to be tapped worldwide regardless of geography.

Additionally, we're stepping into the Fourth Industrial Revolution, in which technologies like artificial

intelligence, quantum computing, and blockchain are significantly changing society. Cryptocurrencies are leading this transformation, creating a new digital economy supported by advanced cryptography. Those involved in Bitcoin mining now can secure a better future as cryptocurrency prices may skyrocket with increased adoption.

The adoption of cryptocurrencies is snowballing rapidly. As per the Tripe-A report, over 420+ million people now own cryptocurrency. According to a survey by Fidelity Investments, over 71% of institutional investors now believe digital assets should have a place in diversified portfolios. Major corporations like Tesla, Square, MicroStrategy, and Visa have added billions in crypto assets to their balance sheets. With such considerable mainstream acceptance and real-world application, cryptocurrency mining remains an attractive prospect.

The Rollman Advantage – Future-Ready Mining Technologies

Lots of people are jumping on the cryptocurrency bandwagon, especially when it comes to Bitcoin. They think it's a wise move to invest in it. Whether you're an individual or a big company, mining Bitcoin seems a good idea. But getting the machines and stuff you need for mining is challenging.

That's where Rollman Mining comes in. They've got Future-Ready Mining Technologies to make the process easier and more profitable. Here are the key advantages of choosing Rollman Mining.

Quick and Simple Setup

Rollman Mining offers a speedy and straightforward setup of mining operations. Once an order is placed, Rollman installs new fully operational miners within four weeks. Their team handles all the shipping, imports, facility preparation, and physical installation logistics. Configuring the miners on Rollman's optimized mining network is also seamless, allowing users to start mining immediately. This speed and ease of setup enable mining profits to accumulate rapidly.

Carefree Mining Experience

With Rollman Mining, users can have a carefree and stress-free mining experience. Rollman's team of experts provides professional support and guidance

at every step, from initial setup through the lifespan of the mining operation. Users don't need technical expertise, as Rollman will handle everything required for smooth mining operations. This allows users to sit back and relax while Rollman manages the infrastructure, troubleshooting, optimization, and all complex aspects of cryptocurrency mining. Their comprehensive customer support is available 24/7 to address any issues and ensure minimal user effort is required.

Top-Tier Bitmain Miners

Rollman Mining offers access to Bitmain's premium range of miners for those seeking the utmost efficiency and performance in a mining rig. Bitmain is renowned for its cutting-edge miner models with top-of-the-line specifications and components. Their Antminer series provides excellent hash rates while maintaining reasonable power consumption.

Rollman's experts can help customers select the optimal Bitmain model based on their requirements and budget. With Rollman's bulk purchasing power, customers can get Bitmain miners at competitive prices. Investing in a high-quality Bitmain miner through Rollman is a surefire way to gain a performance edge and maximize mining profits.

Full Transparency and Accountability

Rollman Mining operates fully transparently, providing users real-time performance dashboards and activity logs. All aspects of the mining operations, from system health to profitability, are visible. Rollman's commitment to transparency ensures accountability and builds customer trust. Users have the peace of mind of knowing exactly what is happening.

Repair and Maintenance Services

Rollman Mining provides dedicated on-site teams that handle daily mining operations and maintenance. These experienced technicians conduct regular upkeep to optimize efficiency and extend the miner's lifespan through preventative care. Miners are closely monitored to preemptively catch potential issues before they arise. When repairs are needed, they are promptly addressed to minimize downtime. With round-the-clock staff, Rollman customers can have peace of mind knowing their investment is being expertly cared for.

Hosting Across Optimal Locations

Rollman Mining strategically hosts sites based on optimal mining conditions and access to low-cost, sustainable energy. The company leverages a network of over 100 facilities worldwide powered by renewable sources like hydroelectric, solar, and wind.

This global footprint taps into affordable, eco-friendly power to deliver reduced electricity prices that maximize profitability. Additionally, the geographic diversity provides flexibility to shift miners based on changing conditions and regulations. Customers benefit from Rollman's selectively picked locations worldwide.

Priority Access to New Hardware

Leveraging close relationships with leading hardware makers, Rollman Mining provides customers priority access to the latest miner models even before general availability. As soon as improved miners are released, Rollman's bulk buying power and strong supplier ties allow acquisition ahead of competitors. This early upgrade path rapidly gets new, enhanced miners into clients' facilities. Customers can benefit from the improved performance and earnings potential before anyone else.

Miner Resale Service

After approximately 6-8 years of use, mining hardware can exhibit reduced efficiency, impacting earnings. However, Rollman offers a convenient miner resale service, so clients need not worry about this eventuality.

Rollman assesses residual value and selling on the active secondhand market as miners near their lifespan. Customers can recoup some of their original investment through this complete lifecycle solution.

Conclusion

Mining can be pretty complex, but with Rollman, you have an experienced partner who will make the process simple and profitable. Their worldwide infrastructure ensures excellent performance no matter your scale. Their expertise and full-service approach minimize complexity so you can sit back while your investment generates returns. **Schedule a call** with the Rollman team today to start mining with the best.



Filecoin Announces Integration With Solana (SOL) for Decentralized Blockchain Storage Solution

Peer-to-peer file storage network Filecoin (FIL) is collaborating with smart contract platform Solana (SOL) for decentralized blockchain storage solutions.

In a new thread on the social media platform X, the team behind Filecoin says that integrating with Solana will greatly enhance the Ethereum (ETH) rival's capabilities as well as advance the concept of decentralized storage.

"Solana's integration with Filecoin is a significant move away from centralized storage solutions and a remarkable step towards enhancing the reliability

and scalability of the Solana blockchain.

Solana is utilizing Filecoin to make its block history more accessible and usable for infrastructure providers, explorers, indexers, and anyone needing historical access.

By leveraging Filecoin's decentralized storage capabilities, Solana can achieve data redundancy, scalability, and enhanced security while staying true to its decentralized ethos. This collaboration showcases the power of blockchain networks to create more robust and resilient ecosystems for the benefit of users and developers."

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Coinbase share price hits highest point in nearly 2 years

The stock price jump comes after Coinbase reported ending its seven-quarter run of net losses during the fourth quarter

The morning after Coinbase reported fourth quarter results beating analyst estimates, the company's shares hit their highest price in nearly two years.

Coinbase's stock price peaked at \$193.64 Friday morning, according to Yahoo Finance — a level they hadn't reached since March 2022, the data indicates.

The company's shares were trading at about \$190 at 11 am ET, up nearly 15% on the day.

Coinbase reported a net income of \$273 million during the fourth quarter, ending a run of seven straight quarters with a net loss.

"Returning to profitability is part of our upgrade thesis, and this result can help change the unprofitable image," Oppenheimer analysts wrote in a Thursday note.

The company closed out the year with four quarters of positive adjusted EBITDA — earnings before interest, taxes, depreciation and amortization — amounting to \$964 million.

Alyssa Choo, a crypto equities specialist at Bitwise, told Blockworks she believes the fourth quarter marks "a major positive inflection point" for Coinbase's business.

Coinbase's profitability in the fourth quarter doesn't factor in the year-to-date positive crypto price action, Choo added. The total crypto market capitalization is up nearly 20% since the start of 2024, rising above \$2 trillion.



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PVP TOKENS SUPERCHARGING THE GAMING ECOSYSTEM

Gaming is super fun, but sometimes it can feel a bit lonely. You might be playing your favourite game and wish you could share this fun with friends or remember cool things you did in a game, but those memories just disappear. It's not just the players facing challenges; the creators behind these games aren't always getting the recognition or rewards they deserve.

There are so many gamers out there – over 3.2 billion! They want to make friends, share gaming stories, show off their skills, and improve. But no gaming ecosystem focuses on players, creators, developers, etc.

That's where the **PvP Platform** comes in. It's changing how gaming works. PvP is about making gaming more fun and fair for everyone. When you join, you're not just signing up for a random website; you're becoming part of a massive group of gamers – more than 150,000 people! Here, your gaming moments are essential; you can meet other gamers, and game makers are treated fairly. In this article, we will talk about the PvP ecosystem and something unique called PvP tokens, which make the gaming world even more exciting.

What are PvP Tokens?

PvP Tokens are the driving force behind the PvP

Gaming Ecosystem, supercharging its growth. Gamers will soon have the opportunity to buy, sell, and trade PvP tokens on the PvP Marketplace, which is set to launch soon. Even more exciting is the staking program, designed to encourage investors to stake their PvP tokens to earn great rewards.

PvP Tokenomics: A Sustainable Economic Model

At the heart of the PvP ecosystem lies a well-thought-out approach to token supply and Tokenomics. In the PvP ecosystem, participants can earn, buy, and use PvP Tokens. Importantly, even without tokens, everyone can still access basic and free features of the platform.

Token Distribution at the Start

Strategic Reserve (50%): Half of the tokens are saved for the future. This helps PvP plan for unexpected needs or new chances to grow.

Listing PVP (8.1%): A bit over 8% is for the first time the tokens go public, ensuring a good balance for the market.

Airdrop (41.9%): Almost 42% of the tokens are given out to spread them widely and get lots of people to own them.

Token Distribution After 4 Years

Staking Rewards (20%): 20% of the tokens will reward people who stake, thanking them for their support.

Airdrop (5%): Another 5% goes to spreading tokens wider, maybe as rewards or for promotions.

Usage Incentives (15%): This part encourages people to use the platform more.

Community Pool PVP (5%): These tokens support community projects and events.

Strategic Reserve (33%): Another big chunk stays in reserve for plans and needs.

Team (22%): This goes to the team for their hard work.

The Gamers & Investors Perspective

Gamers Perspective

For years, gamers have poured time and effort into their passion without the perk of making money. That's changing now with blockchain and Web 3.0. Now, gamers aren't just playing for fun; they can earn real cash. They can keep the valuable assets they acquire in these games, adding a whole new layer to the gaming experience.

PvP, a pioneer in the Web 3.0 gaming space, is at the heart of this revolution. With a strong community of 150,000 pre-token users and over 10 Web 3.0 game partners like Metastrike and QORPO, PvP is a hotspot for innovation in gaming. These collaborations offer unique opportunities for gamers, like earning tokens through cross-promotional activities. This evolution from the traditional Web 2.0 to the dynamic Web 3.0 gaming is a significant shift, and many gamers are already embracing this change.

Investors Perspective

Gaming isn't just a hobby anymore; it's a booming industry raking in billions. The excitement around blockchain gaming hasn't dimmed despite a recent slowdown in the market. It's a significant player in the industry, holding a 34% share and attracting \$145 million in investments. This shows a clear interest and belief in the potential of blockchain gaming.

For investors, PvP presents a golden opportunity. Being at the forefront of Web 3.0 gaming and having established strong partnerships, PvP is a gateway to investing in the future of gaming. They have partnered with Kava Labs, a big name in decentralized finance (DeFi) and gaming finance (GameFi). This partnership ensures a smooth blend of finance and gaming worlds.

PvP Ecosystem Benefits for Participants

The PvP ecosystem is a thriving and dynamic space that offers many benefits for platform participants.

For Creators

Earn Income: Creators can earn PvP tokens for bringing people and content to the platform.

Promotion and Marketing: Redeem earned tokens for self-promotion and brand marketing, all in one place.

For Gamers

Earn and Spend: Gamers can earn tokens through referrals, quests, tournaments, and other activities.

Asset Trading: Gamers can buy and sell their game assets in the PvP Marketplace.

Unlocking Opportunities: Redeem tokens for entry into blockchain games and in-app functionality.

Game Asset Purchase: Use tokens to purchase new game assets in the marketplace.

For Developers & Publishers

Marketplace Engagement: An open marketplace for game products and assets incentivizes developers and publishers.

Partnership Opportunities: Partnerships offer promotional credits and revenue-sharing opportunities for PvP.

For Advertisers

Captive Audience: Advertisers have access to a captive gaming audience within the PvP ecosystem.

Earn-to-View Ads: Opt-in "earn to view" ads and product placements to create new promotional and sales opportunities.

Rewarded Ads: Gamers receive PvP tokens for watching rewarded video ads, incentivizing full ad engagement.

Why is PvP a Smart Investment?

PvP's commitment to advancing gaming technologies makes it an attractive option for investing in a rapidly growing gaming sector. Investing early in PvP offers several attractive benefits.

With an investment of just \$25,000, participants can obtain a staggering 2,083,333 PvP tokens at a heavily discounted presale price. This provides the chance to get in early on a project with enormous growth prospects ahead of its public listing.

Staking these acquired tokens can generate up to a jaw-dropping 35% in Annual Percentage Yield. By compounding these generous rewards over three years, investors can realize truly exponential growth.

Financial projections estimate PvP's market capitalization reaching \$50 million to \$300 million upon launch. For early presale participants, this could translate to a return on investment skyrocketing between 754% up to a staggering 5,025% once the tokens are freely traded.

PvP Investment Process

Potential investors can invest through a token sale using a SAFT, which you can do with USDC or USDT.

Investment Process

Access Secure Offering Page: Head to PvP presale page hosted by Raze Finance. Here, you can explore investment opportunities without worry.

Verify Investor Identity: Click "Login" and complete the "Verify Investor" process. This step ensures compliance with KYC regulations. It's important for protecting both your investment and our platform.

Execute Investment: Once verified, click "Invest" to proceed. This action executes the Simple Agreement for Future Tokens (SAFT) and smoothly transfers your funds. This paves the way for your participation in the Presale.

Takeaway

PvP is creating an extraordinary gaming world that brings everything and everyone together. The PvP token presale is the hottest deal in Web3 gaming right now. As a mega player leading the charge, PvP's growth potential is massive.

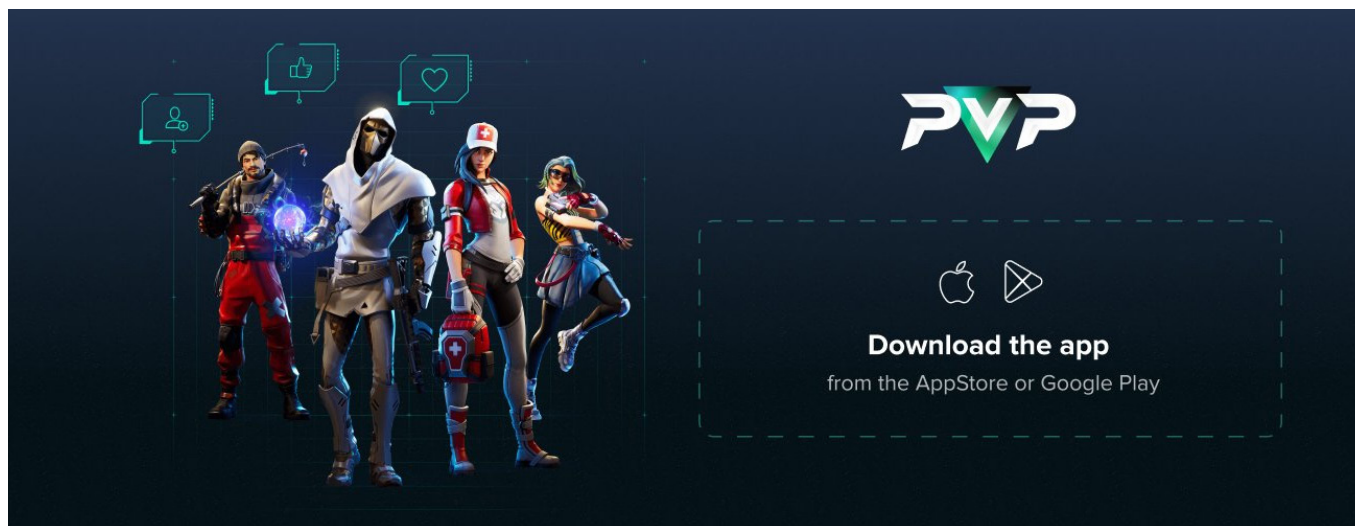
Savvy investors who grab these tokens early will unlock epic gains when PvP takes over the digital gaming world. But you have to act fast – this exclusive presale opportunity disappears soon! Act now & become a leader of the Web3 gaming movement and secure the ultimate PvP presale deals today. The time to play and profit is now!

Stay in Touch with PvP

Interested in investing? Click [HERE](#) for more details on how to invest in PvP.

You can also email PvP at invest@pvp.com with any inquiries.

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Retail investors are easing back into crypto while VC funding rises for first time in 1.5 years

While retail crypto traders want to get on the bullish bandwagon, the series of exchange bankruptcies in 2022 has taught them to be cautious.

Bitcoin prices climbed nearly 70% in the fourth quarter of 2023 and the crypto market has been rebounding, marking the re-entry of small retail investors. However, retail inves-

tors, who lost billions of dollars in the 2022 market crash, are moving in more slowly and cautiously this time, compared to the bull market in 2021, according to a Bloomberg report.

Venture capital funding in crypto and blockchain startups also recorded a 2.5% increase in Q4 2023 after constantly declining for six quarters, according to a Pitchbook report.



Retail traders want to be part of the bull market. Crypto exchange Coinbase has seen its net revenue from customer transactions rise 60% during the fourth quarter of 2023 compared to a year ago, according to the Bloomberg report. Compared to Q3

2023, the net revenue increased by 80%. This is because the retail trading volume on Coinbase was up 164% in Q4 2023 compared to the previous quarter. The growth in retail trading volume outpaced that of institutional trading volume, which grew by 92% in Q4.

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Grayscale's GBTC outflows reach \$7B, but data shows it's slowing

More than \$7 billion has now left Grayscale's GBTC, but there is still a whopping \$23 billion in AUM.

Crypto asset manager Grayscale has continued to see a slowdown in outflows from its spot Bitcoin ETF — though observers believe there's still room for further bleeding.

According to data from Bianco Research and Farside, the total outflow of funds from the Grayscale Bitcoin Trust (GBTC) since it converted to a spot Bitcoin BTC tickers down \$52,291 ETF reached \$7 billion on Feb. 16. However, while the rate of outflow has slowed considerably, observers, including ETF Store President Nate Geraci,

say the bleeding may not be over.

While January saw the largest portion of the exodus, with \$5.64 billion leaving GBTC by the end of the month, February has only seen \$1.37 billion in outflows so far.

In a Feb. 18 post on X, Bianco Research founder and former Wall Street analyst and commentator Jim Bianco believes that much of the outflow is due to investors rebalancing their portfolios and shifting to spot Bitcoin ETFs with lower fees.

He added that the newly launched batch of ETFs has cut their fees to between 0 and 12 basis points, whereas Grayscale still charges 150 bps.

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Avalanche stands out as a smart-contract-enabled, cutting-edge blockchain platform often regarded as a competitor to Ethereum. Renowned for its efficiency and speed, the Avalanche blockchain and its infrastructure for hosting decentralized applications (DApps) and nonfungible tokens (NFTs) have garnered significant attention from both developers and investors.

This article offers an in-depth exploration of Avalanche’s native cryptocurrency, AVAX, and the broader Avalanche ecosystem. It covers various facets, including the project’s background, AVAX governance and voting mechanisms, tokenomics, staking opportunities, and its prospective trajectory.

of achieving a harmonious blend of speed, scalability, security, decentralization, and interoperability.

Functioning as an ecosystem for DApp development, token creation, and blockchain-based gaming, Avalanche empowers projects to construct their customized and interoperable autonomous chains. Additionally, the platform facilitates the establishment of bridges to ensure compatibility with Ethereum and other chains. The overarching objective is to demonstrate the network’s capacity to facilitate large-scale swift transactions.

AVAX: The Backbone of Avalanche

At the heart of the Avalanche ecosystem lies AVAX, the platform’s native cryptocurrency. AVAX serves multiple functions, including facilitating network transactions, engaging in governance processes, staking for rewards, and serving as a store of value. Notably, AVAX witnessed a staggering 275% surge in market share in 2023, while the network surpassed the significant milestone of processing over \$1 billion in total transactions.

A Comprehensive Look at Avalanche’s Journey

The roots of Avalanche can be traced back to May 2018 when a visionary group of developers, affectionately known as “Team Rocket,” unveiled the



What sets Avalanche apart?

Avalanche positions itself as a platform akin to its peers such as Cardano and Solana, seeking to address the longstanding challenge in blockchain technology

initial concepts behind the Avalanche protocol in an enlightening article. Following this seminal moment, Turkish-American computer scientist Emin Gün Sirer took the helm, founding Ava Labs in 2019 with the explicit mission to bring the Avalanche vision to fruition.

The project embarked on a remarkable fundraising journey, commencing with a notable initial coin offering (ICO) in 2020 that garnered an impressive \$42 million. This was swiftly followed by a substantial venture funding round in 2021, which saw an influx of \$230 million. Among the noteworthy investors backing Avalanche are industry giants like Polychain and Three Arrows Capital. These pivotal investments fueled the development of Avalanche's cryptocurrency ecosystem, culminating in the highly anticipated mainnet launch in September 2020.

Unveiling the Mechanics of Avalanche

Avalanche sets out to address the inherent challenges confronting blockchain technology by introducing three groundbreaking features. Firstly, it adopts an alternative proof-of-stake (PoS) consensus mechanism, which represents a departure from conventional consensus models. Additionally, Avalanche leverages subnetworks and operates on a mainnet comprising three distinct blockchains, a departure from the singular blockchain approach adopted by many predecessors.

Consensus Mechanism

At the core of Avalanche lies its innovative consensus mechanism, which builds upon the foundation of classic PoS principles. This mechanism empowers each validation node to function as an independent voting entity responsible for determining the acceptance or rejection of new transactions.

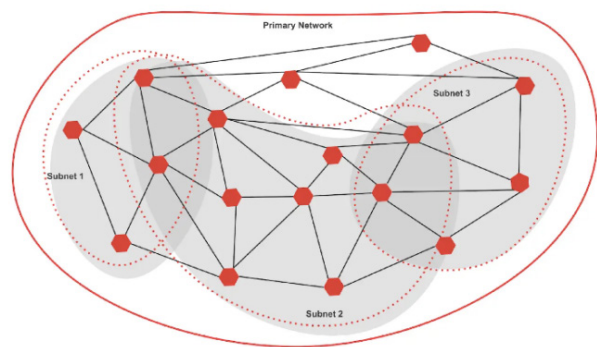
The consensus process is facilitated through a technique known as "repeated random subsampling," wherein each node selects a small cohort of fellow validators to collectively assess and validate transactions. This iterative process continues until the network attains a predetermined threshold of confidence regarding the transaction's validity.

Avalanche's consensus protocol is meticulously engineered for scalability, boasting a remarkably low margin of error. Furthermore, it distinguishes itself

by exhibiting lower energy consumption relative to many other blockchain networks, as nodes remain active solely during the voting phase for transaction validation.

Subnetworks

Within the Avalanche ecosystem, developers wield the power to initiate their tailored blockchains, complete with bespoke regulations. These autonomous chains rely on subnetworks, also known as subnets, which comprise selected nodes tasked with validating distinct sets of blockchains. Notably, subnetworks play a dual role, participating both in the validation process of the Avalanche mainnet and in their designated chains. This feature draws parallels with other scaling solutions in the blockchain realm, such as Polkadot's parachains and Ethereum's consensus layer enhancement.



Three Layer-1 Foundational Blockchains

At the nucleus of the Avalanche ecosystem reside three fundamental blockchains. Firstly, the Exchange Chain (X-Chain) facilitates the creation and exchange of assets, including the native AVAX token. Secondly, the Contract Chain (C-Chain) serves as the breeding ground for Avalanche smart contracts, where they are meticulously crafted and executed. Lastly, the Platform Chain (P-Chain) assumes the pivotal role of coordinating validators and subnets. Token mobility across these three chains is paramount for network functionality.

The trifecta of chains positions Avalanche as a Layer-1 solution, diverging from Layer-2 counterparts that offload transaction validation off-chain, relying on rollup mechanisms for expedited processing.

Cross-Chain Functionality in Avalanche

A cornerstone of the Avalanche platform, the Contract Chain (C-Chain) leverages the Ethereum Virtual Machine (EVM), enabling seamless cross-

chain interoperability for projects and tokens within the Avalanche ecosystem. Furthermore, Avalanche adopts Solidity for its smart contracts, akin to Ethereum, complemented by multiple cross-chain bridges facilitating interconnectivity.

Scalability of the Avalanche Network

Avalanche’s robust infrastructure, characterized by its three Layer-1 chains and proprietary consensus mechanism, endows the blockchain with unparalleled speed and scalability. Leveraging a directed acyclic graph (DAG) structure for its X-Chain, which handles token transactions, Avalanche adopts a non-linear approach, resulting in enhanced processing efficiency.

Avalanche proudly boasts the capability to process a staggering 6,500 transactions per second (TPS), a monumental feat when compared to Ethereum’s current throughput of approximately 15 TPS. While Ethereum’s ongoing upgrades hold promise for accelerated TPS speeds, Avalanche stands as a testament to the present and future of high-speed blockchain transactions.

Network Governance

AVAX holders wield authority in network governance, with any network node granted the capability to propose governance initiatives. Avalanche adopts on-chain voting mechanisms for pivotal network parameters, including staking parameters, minting rates, and transaction fees. However, it employs voting selectively, contributing to a partially decentralized governance model.

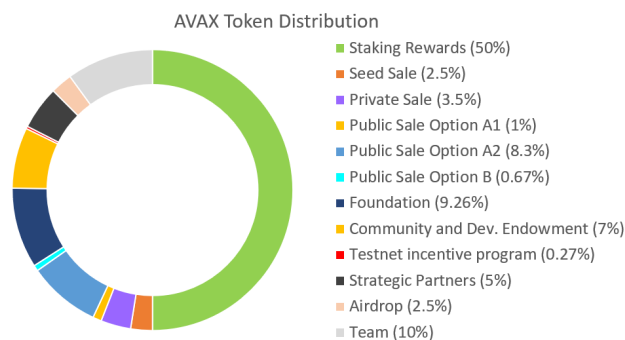
AVAX Staking Mechanisms and Liquidity Pools

Participants holding AVAX tokens have the opportunity to stake their assets to validate transactions on the network, consequently earning freshly minted AVAX coins as rewards. Validator incentives hinge on proof-of-uptime and proof-of-correctness criteria.

Network validators do not receive transaction fees; instead, these fees are systematically burned to bolster the scarcity of AVAX. Avalanche’s robust validator incentives have garnered acclaim, with the network disbursing over \$275 million in AVAX rewards to more than 1,000 validators in 2023 alone.

AVAX Tokenomics

The total supply of AVAX tokens is capped at 720 million. Upon the mainnet’s launch in 2020, half of the tokens were minted and distributed. Of this allocation, 10% was allocated to the Avalanche team, 9.26% to the foundation, and 5% to strategic partners, with the remainder allocated to ICO recipients and other development endeavors. Subsequently, the remaining token supply is continuously generated as staking rewards.



Avalanche C-Chain applications

The Avalanche C-Chain serves as the home for an array of decentralized applications (DApps), decentralized finance (DeFi) platforms, non-fungible tokens (NFTs), and gaming ventures developed within the Avalanche blockchain ecosystem. Notable projects within this realm encompass decentralized exchanges like Trader Joe and WooFi, the GMX prediction market, and the cross-chain messaging system Synapse.

Among these endeavors is the omnichain initiative Stargate Finance, designed for facilitating cross-chain liquidity transfers. Its recent integration with Avalanche underscores the platform’s potential for expanded utility in 2024. While Avalanche currently hosts over 500 DApps, it lags behind Ethereum and BNB Smart Chain, each boasting around 5,000 DApps.

Continued Development of the Avalanche Ecosystem

The evolution of the AVAX ecosystem persists, with Avalanche spearheading the development of two pivotal technologies: HyperSDK and Avalanche Warp Messaging (AWM), both leveraging elastic subnets. HyperSDK holds promise for enhancing throughput, while AWM aims to bolster interoperability, fostering developer adoption.

In November 2023, Avalanche received a significant boost with the commitment of \$10 million in AVAX from

developer Colony Lab. This investment is earmarked for bolstering network growth through validator creation and investment in the Colony Avalanche Index (CAI), a yield-bearing token index within the network.

Partnerships and Adoption Milestones

Avalanche has forged strategic alliances with industry heavyweights such as Amazon Web Services and Tencent Cloud, underscoring burgeoning mainstream interest. Additionally, successful proof-of-concept demonstrations with financial titans like JPMorgan and Apollo underscore Avalanche’s growing credibility.

Recent Developments and Market Performance

Avalanche’s introduction of inscription (ARC-20) tokens in June 2023 has garnered substantial attention, with over 100 million inscriptions recorded on the Avalanche blockchain. The platform witnessed

a surge in transaction volume, with users spending over \$4 million in fees over a five-day period in December 2023 to create and transfer tokens and NFTs via inscriptions.

The Future Outlook

Amidst a notable surge in AVAX’s price from \$11.32 to over \$48 between November 2023 and January 2024, Avalanche’s position as a layer-1 blockchain has garnered increased attention. Bolstered by its throughput capabilities, novel consensus mechanism, and developer-friendly environment, Avalanche presents a compelling alternative to Ethereum. While Ethereum maintains dominance owing to its established security and extensive developer ecosystem, Avalanche, alongside other emerging blockchains like Cardano and Solana, remains a contender poised to challenge Ethereum’s supremacy in the smart contract arena.

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Bored Ape Creator Yuga Labs Acquires Moonbirds NFT Startup Proof

Kevin Rose's NFT startup Proof is folding into Yuga Labs, which will absorb the team and bring Moonbirds into Otherside.

Bored Ape Yacht Club creator Yuga Labs has acquired Proof, the NFT startup behind the Moonbirds collection and the Proof Collective membership program, the company announced Friday.

According to Yuga Labs, the company has completely acquired Proof and all of its properties, including Moonbirds, Oddities, Mythics, and Grails. Yuga will add the Proof

team into its staff, and integrate the Moonbirds collection into its upcoming Otherside metaverse game.

Proof co-founder and CEO Kevin Rose, a tech entrepreneur who also co-founded Digg, will assist with the handover before becoming an advisor to Yuga Labs. Rose had previously denied that any Moonbirds acquisition deal was imminent. In a message shared to Twitter in December, Rose acknowledged that there was a "high-level conversation" with another unspecified founder about a deal that "never went anywhere."

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Ethereum Innovations: Founder Looks Forward To Verkle Trees Launch

The Ethereum (ETH) ecosystem continues to be a flurry of activity, with several upcoming new projects and updates expected to be introduced in the near future, one of which is the "Verkle Trees" feature.

Ethereum Co-Founder Hints On Verkle Trees Introduction
Ethereum founder, Vitalik Buterin, has

shown his enthusiasm over the integration of the impending Verkle Trees feature. Vitalik Buterin revealed his anticipation toward the update on the social media platform X (formerly Twitter) on Monday.

According to Buterin, he is excited about the Verkle trees feature as he is looking forward to its launch. He highlighted that Stateless valida-



tor clients will be made possible by the trees, allowing "staking nodes to operate with roughly no hard drive capacity and to sync almost rapidly." The promise of almost instantaneous syncing and almost negligible hard drive capacity requirements is revolutionary.

Buterin further pointed out that the update boasts of a much superior solo staking user

experience (UX). In addition, it works better for light clients that associate with users.

With the help of Verkle trees, which are a data structure, upgrading Ethereum nodes can be achieved. As a result, the nodes can cease keeping huge amounts of state data, without losing their capacity to validate blocks.

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A COMPLETE GUIDE ON POST-QUANTUM THREATS TO PROOF-OF-WORK CRYPTOCURRENCIES

Proof-of-work (PoW), also known as Nakamoto consensus, stands as a decentralized mechanism for achieving consensus within a blockchain network. This method ensures the security of the blockchain by compelling participating nodes to dedicate energy and engage in a competitive process. Their objective? To solve intricate mathematical puzzles that allow them to append blocks to the chain and, consequently, earn rewards.

Moreover, PoW necessitates unanimous agreement among network nodes regarding the accuracy of crucial network elements, including but not limited to account balances and the chronological order of transactions. Notably, Bitcoin boasts the distinction of being the most substantial blockchain utilizing PoW consensus, as measured by its market capitalization.

The mathematical challenges that nodes within the Bitcoin network tackle demand a substantial computational effort. To maintain competitiveness in a PoW ecosystem, miners frequently resort to employing specialized hardware known as application-specific integrated circuits (ASICs). However, even with the utilization of ASICs, the endeavor to gain majority control over the network and orchestrate a 51% attack—thus enabling the validation of illegitimate transactions—mandates an exorbitant level of computational prowess.



However, the advent of quantum computing technologies has sparked concerns regarding the cryptographic foundations of blockchain technology, including Bitcoin. Quantum computers possess the potential to undermine conventional cryptographic methods utilized in Bitcoin's transaction verification process.

Specifically, quantum computers exhibit the capability to solve intricate mathematical problems—such as discrete logarithms and integer factorization—at an exponentially accelerated pace compared to classical computers. This emergence of quantum computing presents a post-quantum threat to the security of Bitcoin.

Should a quantum computer of sufficient potency materialize, it could compromise the cryptographic integrity of the algorithms underpinning Bitcoin. This

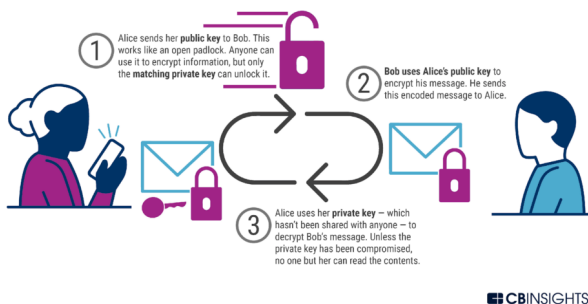
could empower malicious entities to execute attacks previously deemed implausible, such as conducting a 51% attack with significantly reduced computational effort than currently required.

What is Post-Quantum Computing?

Post-quantum computing denotes the era that would ensue following the development and deployment of quantum computers capable of solving computational challenges presently deemed insurmountable for classical computers. This encompasses tasks like simulating quantum systems, factoring large numbers, and resolving specific optimization problems.

Quantum computing fundamentally diverges from classical computing, which relies on bits capable of representing either 0 or 1. Conversely, quantum computing employs quantum bits, or qubits. Thanks to the principles of superposition and entanglement, qubits can concurrently represent 0, 1, or both states simultaneously.

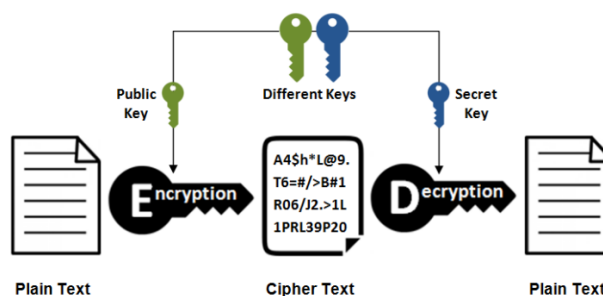
How public-key cryptography works



transactions. However, the emergence of quantum computers introduces the risk of attacks capable of breaching Bitcoin’s cryptographic defenses.

Bitcoin employs asymmetric encryption, also known as public-key cryptography, which utilizes two distinct keys: the public key and the private key. The public key facilitates data encryption or, in the case of Bitcoin, generates a Bitcoin address where funds can be received. Conversely, the private key is employed for decryption or transaction signing. Possession of the private key serves as proof of ownership of the funds and authorizes transactions, ensuring their secure inclusion in the blockchain.

Asymmetric Encryption



Bitcoin relies heavily on cryptographic techniques, primarily digital signatures and hash functions, which serve as integral components of its security framework. However, the advent of quantum computing poses a significant threat to the effectiveness of these cryptographic mechanisms.

Digital Signatures

The Elliptic Curve Digital Signature Algorithm (ECDSA) is pivotal for verifying Bitcoin ownership and facilitating transaction approval. However, the emergence of powerful quantum computers raises concerns regarding the vulnerability of ECDSA. Techniques such as Shor’s algorithm, theoretically capable of solving the discrete logarithm problem—the cornerstone of ECDSA—in polynomial time, could compromise its security. Quantum computers running the superpositioned Shor’s algorithm could potentially decipher the private key associated with a public key, undermining the integrity of the digital signature.

Hash Functions

Bitcoin relies on cryptographic hash functions like SHA-256 for various purposes, including the mining process and address creation. While hash functions

The advent of quantum computing presents one of the most significant impending challenges to the functionality and robustness of blockchains and blockchain cryptography.

In the era of post-quantum computing, cryptographic algorithms resistant to quantum attacks will be developed to safeguard sensitive information in a post-quantum environment.

Potential Quantum Attacks on Bitcoin

Cryptography, a branch of mathematics dedicated to securing communication and data, serves as a cornerstone of Proof-of-Work (PoW) cryptocurrencies like Bitcoin (BTC). The Bitcoin blockchain relies on robust cryptographic mechanisms to maintain the trustless, private, and secure nature of its peer-to-peer

are considered more resistant to quantum attacks compared to public-key cryptography, the threat posed by sufficiently powerful quantum computers remains. Grover's algorithm, for instance, could accelerate the search for a hash function's pre-image, albeit at a quadratic speed. Increasing the hash length, such as doubling it from 256 to 512 bits, could mitigate this threat to some extent.

Mitigation Strategies for Post-Quantum Threats in Proof-of-Work Cryptocurrencies

Securing Proof-of-Work (PoW) cryptocurrencies against quantum threats and developing post-quantum blockchain security measures are imperative. Addressing the quantum computing challenge requires the development of solutions capable of safeguarding the blockchain against potential breaches by powerful quantum computers.

Potential approaches include:

Lattice-Based Cryptography

Lattice-based cryptography leverages the complexity of mathematical lattices, which consist of evenly spaced points extending infinitely in all directions. This cryptographic technique employs lattice operations for encryption, decryption, and other cryptographic functions. Deciphering the original message or decryption key without knowledge of the lattice's precise structure is exceedingly difficult due to the intricate and intractable nature of lattice problems, which form the basis of security.

Isogeny-Based Cryptography

Isogeny-based cryptography represents an evolution of Elliptic Curve Cryptography (ECC), utilizing the mathematical properties of elliptic curves to securely transmit secret messages. However, it introduces additional complexity by leveraging isogenies instead of directly utilizing points on curves, as in traditional ECC.

Isogeny-based cryptography can be likened to two individuals devising a secret handshake in a public setting, where every gesture is observable, yet replication remains elusive. Similar to lattice-based cryptography, its intricate nature provides a potential defense against quantum computer attacks, rendering isogeny-based cryptography a promising avenue for post-quantum cryptographic solutions.

Code-based cryptography operates on the premise of utilizing challenging-to-decode general linear code. This method entails constructing puzzles using error-correcting code, a collection of mathematical tools employed to identify and rectify errors in data transmission. For instance, in the event of data corruption during internet transmission, an error-correcting code would facilitate accurate recovery.

In code-based cryptography, deciphering a message should be straightforward for individuals possessing the appropriate key, yet formidable for others. This cryptographic approach is deemed to possess quantum resistance potential due to the inherent difficulty in decoding random linear code—the fundamental principle of code-based cryptography—using existing algorithms, including Shor's and Grover's.

Ongoing endeavors in the realm of post-quantum cryptography are characterized by continuous research and development initiatives. In 2022, the United States Department of Commerce's National Institute of Standards and Technology (NIST) unveiled the inaugural set of encryption tools specifically designed to withstand assaults from quantum machines. These four selected algorithms are slated to integrate into NIST's post-quantum cryptographic standard, anticipated to be finalized in 2024.

CRYSTALS-Kyber, a Cryptographic Suite for Algebraic Lattices, is engineered to serve general encryption purposes, safeguarding connections between web browsers and servers.

CRYSTALS-Dilithium, another Cryptographic Suite for Algebraic Lattices, is meticulously crafted to supplant existing digital signature schemes like ECDSA.

SPHINCS+, a stateless hash-based signature scheme, offers an alternative to conventional signature methods, leveraging distinct mathematical problems to ensure security.

FALCON, or Fast-Fourier Lattice-based Compact Signatures, is tailored for digital signatures based on lattice cryptography. Renowned for its concise signatures and swift verification times, FALCON stands as a testament to efficient cryptographic design.

The prospect of Proof-of-Work (PoW) cryptocurrencies

in the quantum era is a subject of profound interest and concern within the cryptographic and blockchain spheres. Researchers from the University of Sussex have projected that a quantum system wielding 13 million qubits could potentially compromise the cryptographic algorithms safeguarding the Bitcoin blockchain within a mere 24-hour window.

Quantum computing poses a potential challenge to the mining aspect of PoW. While techniques like Grover’s algorithm could expedite mining by offering a quadratic speedup in the search for a suitable nonce, the overarching risk to cryptographic security outweighs any potential benefits. However, the requisite processing capacity to substantially influence PoW mining remains beyond current capabilities.

To fortify PoW blockchains against prospective quantum assaults, the blockchain community is actively exploring and devising cryptographic algorithms resilient to quantum threats. Notably,

QuEra, a startup spearheaded by former researchers from esteemed institutions like Harvard University and the Massachusetts Institute of Technology (MIT), has unveiled an ambitious roadmap for a forthcoming Quantum machine.

The company envisions the release of a quantum computer boasting 100 logical qubits and 10,000 physical qubits by 2026. This quantum marvel purportedly promises to showcase a “practical quantum advantage,” enabling it to tackle tasks beyond the reach of contemporary bit-based computers.

Despite these advancements, quantum computers still grapple with limitations hindering their ability to crack cryptographic algorithms akin to those utilized in Bitcoin. Factors such as small qubit size and fidelity issues persist as notable hurdles. While the field continues to progress, several technical challenges, including qubit coherence durations and error rates, remain unresolved.

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April 2024 Bitcoin Halving Sparks Worldwide Curiosity, Data Reveals



A recent study focusing on the search term “bitcoin” through Google Trends data revealed that curiosity remained subdued even as the price soared above the \$50K mark. Yet, anticipation for the forthcoming reward halving has hit a 90-day peak. Slated for April 2024, this significant occasion will slash the pace at which new bitcoins are generated by 50%, sparking widespread interest in the topic.

From Benin to Switzerland: The World Turns Its Eyes to Bitcoin Halving
The excitement surrounding the anticipated subsidy reduction, known as bitcoin halving, reached its zenith with a perfect score of 100 on Google Trends

in the week of Feb. 12, 2024. This surge, measured over a 90-day period using Google Trends’ global data, began its upward trajectory at the dawn of January.

By Jan. 24, 2024, the phrase “bitcoin halving” had already ascended to a score of 40 out of 100, gradually increasing until it reached Monday’s pinnacle. As of this writing, the search query maintains a high score of 96 out of 100.

Curiosity around the phrase “bitcoin halving” is on an upward trend as the anticipated event draws nearer, projected to take place on or about April 19, 2024. This growing interest especially comes from those less acquainted.

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Coinbase donates \$3.6 million to support Bitcoin developer funding through Brink

In December, Coinbase said it was winding down its GiveCrypto initiative, handing out remaining funds to Brink and GiveDirectly.

Brink revealed today it will be receiving \$3.6 million from the exchange.

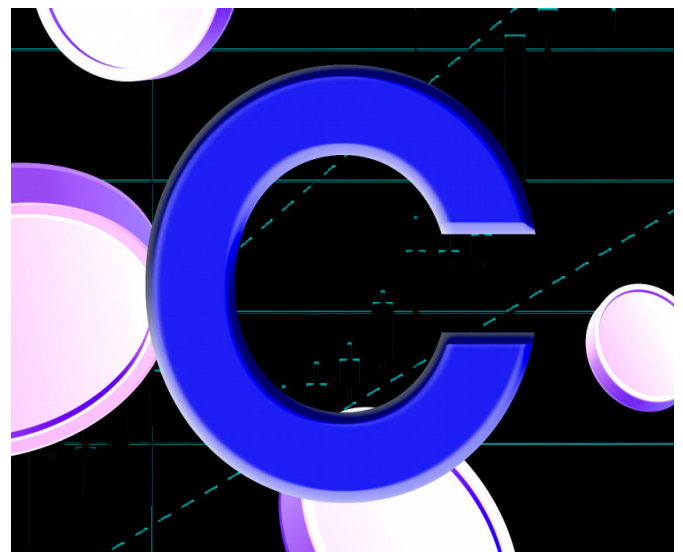
Coinbase is donating \$3.6 million to Bitcoin BTC +1.18% -supporting nonprofit Brink as it winds down GiveCrypto, an organization that gave out crypto to those in poverty.

In December, the exchange said that it was ending the initiative due to its inability to create a lasting impact. At the time, Coinbase

said it was splitting the remaining funds between Brink and a charity platform called GiveDirectly, but didn't specify amounts.

Founded in 2020, Brink aims to boost the Bitcoin protocol through research and development, and by supporting the Bitcoin developer community. It offers a fellowship program to onboard new software engineers into Bitcoin development and a grants program for existing Bitcoin developers.

Brink said the funds will be directly used to support its grantees, which are a number of developers focused on the Bitcoin codebase.



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Web3 Watch: Pandora ERC-404 collection tops \$90M in sales, token falls 55%

Plus, Sotheby's auctions an EtherRock and telecom giants get in on Web3

The NFT sector is buzzing about ERC-404s, a new standard enabling the conversion between NFTs and fungible tokens, merging uniqueness with liquidity.

A project named Pandora popularized the concept last week when it launched the so-called ERC-404 standard. Pandora contains a collection of 10,000 NFTs that are linked to 10,000 PANDORA tokens created on Ethereum's ERC-20 standard.

When a PANDORA token is purchased from a liquidity pool, a unique NFT known as a "Replicant" is created. This process links the fungible token with a one-of-a-kind digital asset, embodying distinct characteristics. If the owner decides to sell the PANDORA token, the associated NFT is burned, meaning it's permanently removed from circulation.

Additionally, the ERC-404 standard introduces an element of semi-fungibility through dynamic interaction between the fungible token and its non-fungible counterpart.

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FixedFloat DEX Hacked for \$26M in BTC and ETH, Loot Already Moved

The decentralized exchange FixedFloat has been exploited for just under \$26 million in Bitcoin and Ethereum.

On Feb. 18, the FixedFloat team confirmed that the platform was hacked after blockchain sleuths reported the spurious crypto movements.

"We confirm that there was indeed a hack and

theft of funds," it stated in response to a post on X revealing the exploiter's address.

However, no further details were provided, with the team stating, "We are not yet ready to make public comments on this matter, as we are working to eliminate all possible vulnerabilities, improve security, and investigate."

There were no new



posts or details on the FixedFloat X account as of early Monday morning on Feb. 19. Moreover, the FixedFloat website was also offline with the message "Technical work is underway, we will be back soon!" at the time of writing.

Another DEX Exploit On Feb. 19, blockchain security firm PeckShield reported that around 1,728 ETH worth roughly

\$4.85 million and 409 BTC worth around \$21 million were stolen in the attack.

The hacker has already transferred most of the stolen Ethereum to the eXch exchange, it added.

FixedFloat is a crypto exchange powered by the Bitcoin Lightning network claiming to be completely automated.

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