

WHAT LIES AROUND THE CORNER FOR DIGITAL ASSETS?

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02/04/2022

In just over a decade, digital assets have gone from nothing to what is now a vibrant, diverse and fast-growing ecosystem. By some measures, such as [market capitalization](#), the ecosystem hit an all-time high during 2021 of more than US\$3 trillion equivalent before being shaken up by news like [Federal Reserve rate hikes](#) potentially coming sooner than expected. Now hovering around US\$2 trillion, this does not include the value of the businesses that have been built on or are using digital asset networks—Coinbase was recently valued at more than US\$40 billion¹ and FTX at US\$32 billion², just to name two. Moreover, the transactions facilitated by some of these decentralized payment networks clear more than US\$100 billion in USD terms per day³—a figure that does not include the transactions conducted within closed-loop services such as Cash App or Blockchain.com.

With this growth and these milestones no longer hypothetical, two questions arise: where might this space grow in the future, and what opportunities might this create? When thinking over answers to these questions, it is helpful to frame one's thinking in terms of emerging use cases as well as technical changes. With the recent launch of the [RWM WisdomTree Crypto Index](#), consisting of [Bitcoin](#) and Ethereum as well as 11 altcoins spanning a multitude of use cases from [decentralized finance \(DeFi\)](#) to the metaverse, there is no shortage of new ecosystem developments to monitor throughout the new year.

Payments is the original use case—the “killer app”—for digital asset networks, and it is not going away. The most important development for this use case is the integration of digital asset networks—and their payment functionality—into existing internet platforms and day-to-day mobile payments applications. For instance, Jack Dorsey's Twitter has begun to assign Bitcoin Lightning wallets to users' profiles, allowing people to cheaply, quickly and seamlessly “tip” one another in exchange for content.⁴ More and more open-source Bitcoin Lightning wallets are appearing on mobile app stores with better-designed user interfaces (e.g., Muun, Pine, BlueWallet). This is coupled with novel ways of acquiring Bitcoin, such as Azte.co's⁵ “mobile recharge” model voucher product. Western Union is going to need to change its business model—again.

At the same time, developers are finding new ways to make full use of the decentralized application functionality of networks like Ethereum, Solana and Avalanche. The [decentralized finance](#) field will keep traditional finance (TradFi) people awake later at night as exchanges (e.g., Uniswap), lending (e.g., Aave) and yield farming (e.g., Yearn Finance) services pick up new users.

Non-fungible tokens (NFTs), more simply referred to as digital collectibles, have been one of the breakout parts of the digital asset ecosystem in 2021. They have brought in new users, particularly from the entertainment and arts industries, and driven immense activity via platforms like OpenSea⁶. The first iterations of business models seen in this space during 2021 are likely to evolve in the near future. When one throws technically minded developers together with creatives in art, music and gaming, it makes for an eclectic combination.

Gaming and the metaverse are other areas where smart contract functionality is being pushed. Gaming has generated more revenue than Hollywood for years.⁷ Recently, 500 million people tuned in to watch the finals of an eSports tournament.⁸ Digital asset networks are providing the infrastructure to support both in-game tokens and economies, which undergird many of these virtual worlds (e.g., Axie Infinity, Decentraland). [As the lines between metaspace and cyberspace continue to blur](#), be prepared to see changes in how people interact financially in what some people currently refer to as metaverses.

This all comes against a backdrop of continuing technical improvements and evolutions. Last November, the Bitcoin

network underwent a major upgrade—called Taproot—aimed at increasing network privacy and security.⁹ At some point, the Ethereum network will make the long-awaited transition to a proof-of-stake consensus mechanism¹⁰, which will create a new source of returns to those who “stake” ether to run a validator node. Finally, expect greater interoperability between digital asset networks as people attempt to make the most of a combination of specialized functionalities offered across different networks.

Thinking about the future of the digital asset ecosystem is difficult because of the unpredictability of open source developer communities coupled with the iterative trial-and-error process that characterizes the entrepreneurial engine. This is not unique to digital assets; it is an essential dynamic that new technologies experience throughout their development, commercialization and diffusion. The last decade saw various ups and downs in the digital asset ecosystem—all of which led to where the space finds itself today—and this will continue as new technical functionality is developed and people run into new problems for which the functionality of digital asset networks provides novel solutions. The [RWM WisdomTree Crypto Index](#) will change to reflect the evolution in the ecosystem and thereby provide a way to capture exposure to emerging opportunities in this space.

¹ <https://www.bloomberg.com/quote/COIN:US>

² <https://www.cnbc.com/2022/01/31/crypto-exchange-ftx-valued-at-32-billion-amid-bitcoin-price-plunge.html>

³ https://www.coingecko.com/en/coins/high_volume

⁴ https://blog.twitter.com/en_us/topics/product/2021/bringing-tips-to-everyone

⁵ <https://azte.co/>

⁶ <https://opensea.io/>

⁷ <https://www.marketwatch.com/story/videogames-are-a-bigger-industry-than-sports-and-movies-combined-thanks-to-the-pandemic-11608654990>

⁸ <https://www.bloomberg.com/news/articles/2021-11-08/tencent-gets-respite-from-crackdown-with-league-of-legends-hits>

⁹ <https://www.theblockcrypto.com/linkedin/124276/bitcoin-taproot-activated>

¹⁰ <https://ethereum.org/en/eth2/>

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Market Capitalization : Market cap = share prices x number of shares outstanding. Firms with the highest values receive the highest weights in approaches designed to weight firms by market cap.

Federal Reserve : The Federal Reserve System is the central banking system of the United States.

Rate Hike : refers to an increase in the policy rate set by a central bank. In the U.S., this generally refers to the Federal Funds Target Rate.

Bitcoin (the currency) : A digital currency (also called a cryptocurrency) created in 2009, which is operated by a decentralized authority as opposed to a traditional central bank or monetary authority.

Decentralized Finance (DeFi) : A system by which financial products become available on a public decentralized blockchain network.