

Key Notes

AT A GLANCE

Zucoins

Zucoins are next generation cryptocurrency, solving the “blockchain trilemma” of security, scalability and decentralisation by using data fragmentation to achieve real-time peer- to-peer validation based on an autonomous and permissionless framework. The total number of Zucoins generated is 100 million.

SplitChain

The Zucoins framework is a transactional system designed to work with an extendable set of metadata. Due to this, a variety of third-party exchanges involving ownership of both digital and physical objects are expected to occur into the future. This will expand Zucoin’s market penetration beyond just ‘digital currency’ and into all kinds of digital transactions.

Zucoins is a cryptocurrency that is the native exchange token on the SplitChain network. SplitChain is not a blockchain in the traditional sense. Unlike Bitcoins which rely on a traditional distributed ledger blockchain (i.e., after miners validate and add incremental blocks of transactions to an ever expanding chain), SplitChain is a distributed ledger that utilises novel technology of fragmenting the ledger across multiple nodes on the network to maintain high throughput, security and permissionless distributed power of trust.

P2P Distributed Power Of Trust

Zucoins are exchange tokens that can be securely stored or exchanged between users in real-time within the autonomous peer-to-peer Zucoin ecosystem. Based on the autonomous ‘P2P Distributed Power of Trust’, a new peer-to-peer method of transaction validation, Zucoin’s framework has the additional potential to be utilised by third parties for a variety of different transaction and data types.

Progressive Web Application (PWA)

WHAT IS A PWA?

PWA stands for Progressive Web Application – a website that looks and behaves just like a mobile app. Users can add it to the main screen of their smartphones, just like a mobile app. PWAs can send push notifications, access the hardware of the mobile device, and even work offline or in an unstable connection. The Zucoin wallet is a PWA.

CRITICAL BENEFITS OF PWAs

1. Availability in offline mode

Websites don't display content properly if the internet connection is limited or disconnected. Mobile apps, however, are often self-contained and allow users to use them while not online. This allows for greater availability and drive engagement. And PWAs offer this as well.

2. No app store approvals or fees

PWAs are designed like mobile apps, but don't require to be published on the Google or Apple app stores. As a result, businesses don't have to go through the long and tedious app store submission and approval process. Teams can also automatically push out any new app updates without waiting for any approvals.

In addition, both Google and Apple charge a 30% commission fee on paid applications as well as in-app purchases. For subscriptions made within an application, Google and Apple take a 30% cut during the first year of an in-app subscription while a 15% commission is charged in successive years. By using a decentralised PWA, no fees are payable to Google or Apple which leaves a greater distribution of fees amongst Peers in the SplitChain.

3. Use of hardware features

PWAs can utilise device hardware features, that previously only native apps could access. The best thing is that developers have full control over their implementation, potentially offering businesses new marketing and sales channels. Moreover, PWAs can take advantage of the hardware features such as geolocation or camera, if those features are needed by the app.

EXAMPLES OF PWAs

Here are a few examples of PWAs that show the reach of this technology among global companies that aim to deliver top value to their customers:

 YouTube Music

 Pinterest

 Trivago Hotel Booking

 Tinder

Capabilities

The design of Zucoins' autonomous P2P Distributed Power of Trust facilitates the free and real-time transfer of value that scale with the amount of participants on the network, reaching hundreds of thousands of transactions per second, with peer-to-peer connections routed by a distributed network of connecting cache servers.