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The Evolving Web3 Economy - Account Abstraction Wallets Explained



AQUIS: COIN



OTCQB: CINGF

Account Abstraction Wallets

– A simple, secure, and functional solution



The evolution of blockchain technology and the advent of Web3 have paved the way for innovative financial tools that promise to redefine user interaction with digital assets. Among these innovations, [account abstraction wallets built on Ethereum's ERC-4337 standard](#) stand out as a pivotal development.

Unlike traditional crypto wallets, these account abstraction wallets aim to simplify the User Experience (“UX”) whilst enhancing security and functionality. This report delves into the non-technical aspects of account abstraction wallets, highlighting their benefits and potential to shape the future of digital asset management.

We will also discuss the features and benefits of the [Bastion Account Abstraction Wallet Software Development Kit \(“SDK”\)](#), an open-source account abstraction SDK enabling seamless integration of multi-chain wallets into decentralised applications, which forms part of a suite of tools within the Byzant Web3 ecosystem. Byzant is an active collaboration between a syndicate of major digital advertising and blockchain industry partners (“The Byzant Collaboration”) including **Coinsilium**, Web3 development business Indorse (which is also a Coinsilium portfolio company), and **A-ADS**, one of the largest and longest established crypto/Bitcoin advertising networks*.

The Bastion Wallet and SDK have been designed to offer Web3 developers and users a simplified onboarding process, and to overcome many of the issues inherent in the current generation of Web3 applications.

Streamlining Web3 Adoption Through Simplified User Interfaces

The path to widespread Web3 adoption has its challenges; notably the levels of complexity and lack of user-friendliness in the current generation of solutions designed to manage and secure digital assets. Account abstraction wallets are at the forefront of tackling this issue, offering streamlined user interfaces that abstract away the intricacies of handling private keys.

This innovation significantly simplifies the user experience, making the foray into digital assets and Web3 applications more approachable for a diverse audience.

Furthermore, by minimising the need for direct management of private keys, these wallets enhance security and mitigate the potential for user error. This evolution in digital wallet design is pivotal in lowering the barriers to Web3 adoption, inviting more users to explore the possibilities within the decentralised web with confidence and ease.

- **Enhanced Security Features** - Account abstraction wallets enhance security with features like multi-signature transactions and recovery options, which traditional wallets find hard to match. This offers users greater control and lowers risks from cyber threats.
- **Smart Contract Integration** - Account abstraction wallets utilise smart contracts for automating transactions, setting spending limits, and easy integration with DeFi applications, enhancing financial management and Web3 interactions without needing external transaction signatures.
- **Potential for Mass Adoption** - Account abstraction wallets could significantly boost crypto and Web3 adoption by making digital finance more user-friendly and secure, thereby broadening access and catalysing a shift toward extensive digital asset use.
- **Facilitating Greater Integration with Web3 Services** - Account abstraction wallets serve as a Web3 gateway, offering seamless decentralised finance (“DeFi”), non-fungible token (“NFT”), and decentralised application (“dApp”) interactions, establishing themselves as a central platform for users’ digital activities.

As we move forward, the continued evolution and refinement of these wallets will undoubtedly play a critical role in shaping the digital asset landscape.



**Coinsilium's participation and economic interest in Byzant will be represented through a material stake in new project tokens at the founding member level*

Introducing Bastion's Blueprint for the Future of Digital Asset Management



In the dynamic field of account abstraction wallets, The **Bastion** SDK distinguishes itself through its ambitious development roadmap.

Central to Bastion's approach is its commitment to enhancing the functionality and accessibility of digital asset management for both users and developers. A standout feature in development is the ability for the pre-approval of transactions, a pioneering step aimed at facilitating seamless on-chain subscriptions. This innovation promises to simplify recurring payment mechanisms for Web3 projects and Software as a Service ("SaaS") providers, potentially revolutionising how subscriptions are managed within the decentralised space.

The anticipated implementation of on-chain subscriptions, particularly in DeFi applications, highlights Bastion's forward-thinking approach.

By enabling automated investment strategies, such as dollar cost averaging ("DCA"), through scheduled payments, Bastion aims to mitigate some of the complexity and manual intervention traditionally associated with such processes. This capability aims to significantly enhance the DeFi user experience, making it more intuitive and accessible to a wider audience, and thereby fostering greater adoption of decentralised financial services.

As the ecosystem evolves, Bastion's work exemplifies the ongoing exploration and innovation within the digital asset space, highlighting the role of ERC-4337 in driving the next generation of blockchain usability and adoption.

Anticipated growth in the DeFi Market



Source: [BCC Research](#)

Unveiling the Bastion SDK: A Toolkit for the Wallet Revolution

An SDK is a set of tools, guidelines, and programs used by developers to create applications for specific software, frameworks, hardware platforms, computer systems, or operating systems. SDKs facilitate the development process by providing compiled code, libraries, documentation, and guides. They can also include additional tools to help debug, maintain, and expand the applications.

In the context of the Bastion Wallet, which operates as a SaaS, the SDK will enable developers to integrate Bastion's functionalities into their own applications, potentially adopting a revenue model where users are charged based on usage rates, subscription tiers, or added feature access. For more detailed insights, you can refer directly to the [Bastion SDK documentation](#).





The development and adoption of account abstraction wallets based on Ethereum's ERC-4337 standard represents a significant milestone in the quest for a more accessible, secure, and integrated digital asset ecosystem.

As the technology matures and more users and developers come on board, we can expect to see an even greater expansion of features and capabilities, further solidifying the role of these wallets in the future of finance.

Bastion, as part of the Byzant Collaboration's suite of Web3 tools, is spearheading efforts to enhance the digital ecosystem's accessibility and functionality. Bastion has been ingeniously designed to simplify the onboarding process for new users into Web3 applications, addressing a crucial barrier to blockchain adoption. Alongside Bastion, the Byzant suite includes several other innovative applications.

- The **Byzant decentralised social network** for creative professionals;
- **Adbazaar**, a smart-contract powered advertising network; and
- **Alcazar**, an NFT marketplace

These tools collectively aim to resolve the user experience ("UX") and functionality issues prevalent in today's Web3 applications. By providing a more intuitive and user-friendly interface, the Bastion SDK and its companion tools within the Byzant Collaboration are setting new standards for ease of use and engagement in the blockchain domain.

Their unified approach seeks to demystify blockchain technology for newcomers and enhance the digital landscape, making it more accessible and enjoyable for users. Through the Bastion SDK, the collaboration underscores its dedication to fostering an inclusive, engaging, and functional digital environment for all.

Conclusion: Bastion's Role in Shaping the Future of Web3

Bastion, with its focus on simplification, security, and smart contract integration, exemplifies the potential of Web3 account abstraction wallets to revolutionise digital asset management. As the Web3 ecosystem continues to grow, the Bastion SDK is set to play a pivotal role in making blockchain technologies more accessible, secure, and integrated into users' digital lives.

Bastion, as part of the Byzant Collaboration's suite of Web3 tools, is spearheading efforts to enhance the digital ecosystem's accessibility and functionality. Through Bastion, the collaboration underscores its dedication to fostering an inclusive, engaging, and functional digital environment for all.



The Byzant Social Media Project



Byzant is an active collaboration between a syndicate of major digital advertising and blockchain industry partners (“The Byzant Collaboration”) including **Coinsilium**, Web3 development business Indorse (which is also a Coinsilium portfolio company), and A-ADS, one of the largest and longest established Crypto/Bitcoin advertising networks.

The Byzant Collaboration is working together to deploy a suite of Web3 applications and tools including:

- The Byzant decentralised social network for creative professionals;

- Bastion, a smart wallet Software Development Kit (SDK) for the on-boarding of new users to Web3
- Adbazaar. a smart-contract powered advertising network; and
- Alcazar, an NFT marketplace

These applications are designed to overcome many of the functionality and User Experience (“UX”) issues inherent in the current generation of Web3 applications.

Coinsilium’s participation and economic interest in Byzant will be represented through a material stake in new project tokens at the founding member level.



“Web3 is the internet owned by the builders and users, orchestrated with tokens.”

*Naval Ravikant,
Entrepreneur and Investor*

Byzant
Collaboration
Partners



Coinsilium's Web3 Portfolio Highlights...



Silta is harnessing the transformative capabilities of Artificial Intelligence (AI) to revolutionise the feasibility study and financing process for green projects.

Convertible Loan and Option Agreement.



Greengage is a digital finance pioneer providing a platform of relationship-based emoney account services to SMEs, high net worth individuals, and digital asset firms.

Equity Investment



Yellow is a decentralised Layer-3 peer-to-peer network that uses state channel technology to securely exchange liquidity & facilitate trading, clearing, settlement, and compliance.

Simple Agreement for Future Tokens



GGs.io is a Latam-focused Web3 gaming venture. Founding team with successful track record in esports ventures for global brands incl. Razer, Red Bull, Claro Gaming, ViacomCBS, Supercell...

Simple Agreement for Future Tokens



Indorse is a Singapore Based Blockchain SaaS Platform, Web3 Development Studio and Software Engineering company. Indorse a tech partner to **Coinsilium** and the main tech builder of Byzant Web3 Ecosystem.

Equity Investment



PARIS

Blvck Paris is a lifestyle apparel accessories & digital goods brand, supported by millions of highly engaged social media followers and customers worldwide.

NFTs + Master Collaboration Agreement



Byzant is a Web3 social network ecosystem hosting a suite of user-friendly tools and decentralised applications to create, connect and collaborate. Byzant Web3 Ecosystem apps: Byzant social network, Bastion Wallet, Adbazaar decentralised advertising network and Alcazar NFT marketplace.

Contribution Agreement for Future Tokens, terms subject to execution of final agreement

We are Coinsilium!



Coinsilium is an investor, advisor and venture builder at the forefront of Web3 convergence. We invest in and accelerate Web3 and AI powered technology start-ups whilst supporting their development and commercialisation. We also provide strategic advisory services to start-ups looking to issue tokens through token generation events. Coinsilium's wholly owned subsidiary Coinsilium (Gibraltar) Limited is the Company's operational hub in Gibraltar.

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In 2015, Coinsilium became the first blockchain company to IPO in London. Coinsilium shares are traded on the AQSE Growth Market in London, under the ticker symbol "COIN", and on the OTCQB Venture Market in the United States under the ticker symbol "CINGF", allowing investors to purchase shares and gain exposure to Web3 converging technology opportunities through our focused investment and advisory portfolio.



AQUIS Stock Exchange (UK Investors): A full list of brokers who can buy and sell Coinsilium shares on the AQSE can be found here:

[Further Information](#)



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General information on how OTC trading works is available in OTC Markets 101: Part 2 — Trading.

[Further Information](#)