

GelWallet & Rewards Hub Whitepaper



Password-Free Web Wallet for Web2 & Web3



Gel Wallet & Rewards Hub: A Password-Free Web Wallet for Web2 & Web3

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GelWallet

This white paper outlines our strategic vision, addresses industry pain points, and explains the technical foundation of Gel Wallet. It emphasizes the significant role of Passkey, as well as the influence of Google, Apple, and Telegram on Gel Wallet. Through the ecosystem power of Gel Wallet Rewards Hub, we aim to enhance user engagement with Gel Wallet. Additionally, this white paper will discuss the major significance of Gpoint to Gel Wallet, its distribution rules, and how it will strengthen the Gel Wallet community.

● Introduction

- **Gel Wallet** is a decentralized web wallet that simplifies DApp integration with its easy-to-use SDK. Users don't need to download a third-party wallet, back up private keys, or remember mnemonic phrases, making it highly accessible for Web2 users. While enhancing the Web2 user experience, Gel Wallet also improves asset security compared to traditional wallets. We leverage Passkey, a user privacy solution developed by Google, Apple, and Microsoft, along with advanced security features like biometrics, to provide OS-level security.
- **The Gel Wallet Rewards Hub** offers DApps more visibility and traffic opportunities, with users earning Gpoints by interacting with DApps. Gpoints serve as proof of participation within the Gel Wallet ecosystem, representing a critical asset.
- As the Web3 era unfolds, we face unprecedented opportunities and challenges. Decentralized applications (DApps) are flourishing, giving users more freedom and choice. However, current Web3 wallets suffer from poor user experience, inadequate security, and a lack of ecosystem incentives, hindering the adoption of Web3 technology. Gel Wallet addresses these issues by providing a decentralized web wallet tailored for both Web2 and Web3 users, aiming to deliver a secure, convenient, and vibrant Web3 asset management experience.

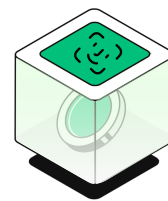
● Strategic Vision

- Gel Wallet's vision is to create a secure, convenient, and open passwordless Web wallet ecosystem that caters to both Web2 and Web3 users, offering comprehensive and versatile Web3 asset management solutions. We are committed to:



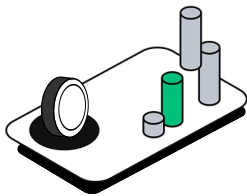
Simplified Operations

Designing a user-friendly wallet interface that makes it easy for Web2 users to manage Web3 assets.



Enhanced Security

Leveraging advanced Passkey and MPC security technologies to ensure comprehensive protection of user assets.



Diverse Features

Providing a wide range of functionalities to meet various Web3 asset management needs, while continuously expanding new features.



Empowering Users

Through Gel Wallet Rewards Hub and community building, we empower users to gain more value and take ownership within the ecosystem.

● Industry Pain Points

Current Web3 wallet products generally face the following issues:

- **Poor User Experience:** Complex interfaces and cumbersome operations make it difficult to attract Web2 users.
- **Inadequate Security:** Complicated private key management increases the risk of loss or theft, making asset security challenging.
- **Lack of Ecosystem Incentives:** Ineffective incentive mechanisms result in low user engagement and hinder the development of a vibrant community ecosystem.

● Technical Solution

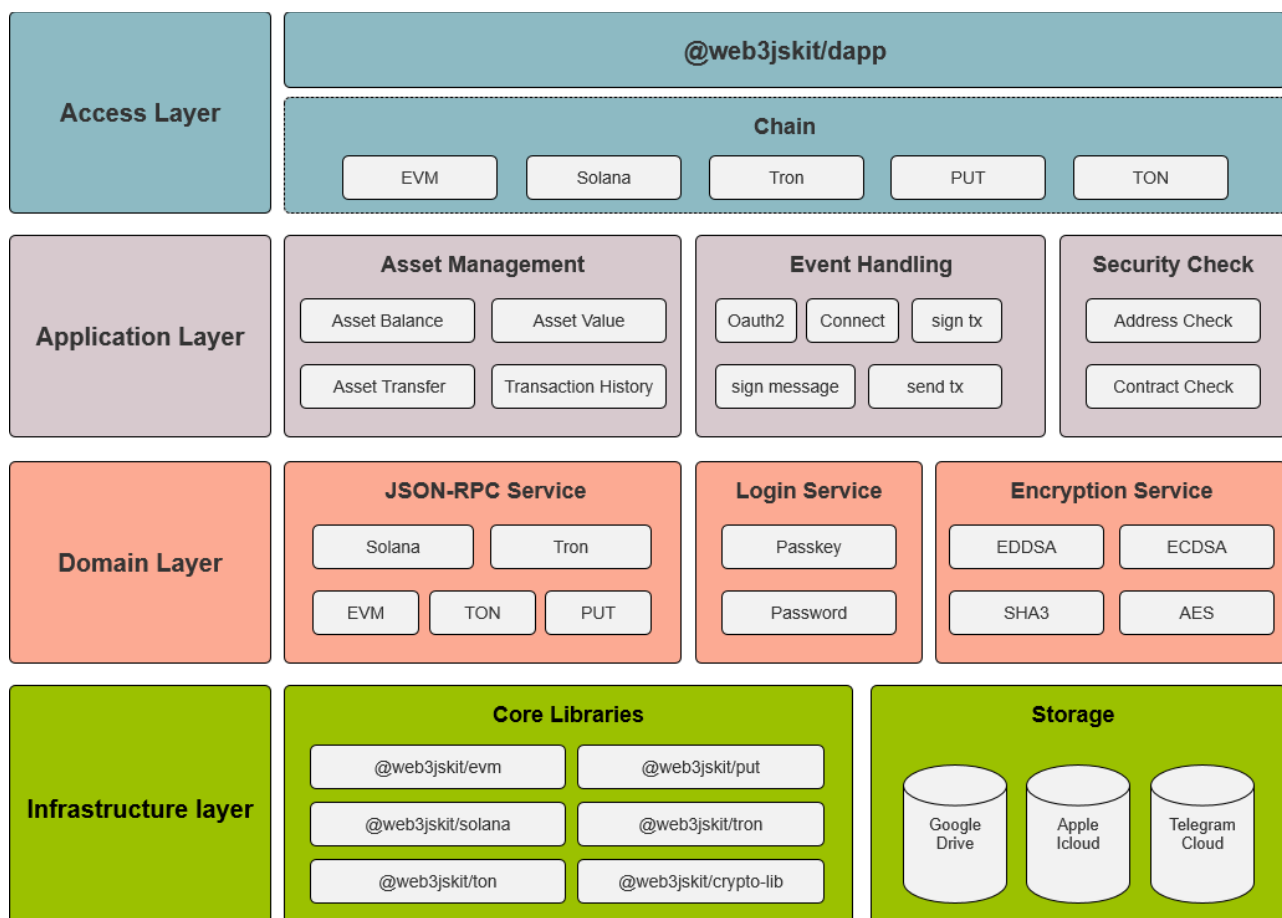
Gel Wallet employs a range of advanced technologies to fundamentally address the pain points of traditional Web3 wallets:

- **Decentralized Web Wallet:** Gel Wallet is a decentralized web wallet that eliminates the need to download third-party apps, allowing users to operate directly from their browser for convenience and speed.
- **SDK Integration:** Gel Wallet offers SDKs for various platforms, enabling DApp developers to easily integrate with Gel Wallet and provide users with a more seamless experience.
- **Passkey Technology:** Utilizing Passkey technology, Gel Wallet replaces traditional password verification methods, effectively preventing password leaks and phishing attacks, and enhancing account security.
- **Google Integration:** Gel Wallet is deeply integrated with Google services, allowing users to quickly log in and verify their identity using their Google account, simplifying the process and improving user experience.
- **Biometric Authentication:** Gel Wallet supports biometric authentication, such as fingerprint and facial recognition, further enhancing account security.

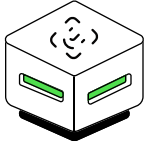
● Technical Architecture

- All core libraries of Gel Wallet have been open sourced, and Gel Wallet as a whole utilizes the monorepo architecture to allow each library to focus on the business. The @web3jskit/crypto-lib provides the underlying cryptographic services, including the two most widely adopted cryptographic algorithms in the blockchain space, secp256k1 and ed25519.
- In addition to cryptographic services, Gel Wallet also open-sources the data processing logic for each chain, which currently includes @web3jskit/evm, @web3jskit/solana, @web3jskit/put, @web3jskit/tron, @web3jskit/ton.
- In terms of security, we offer both Passkey and Password modes. We believe that Passkey is a low-cost and secure encryption method for future users, and its underlying asymmetric encryption is an industry-recognized unbreakable and irreversible security model.
- In terms of privacy, Gel Wallet adheres to the concept of decentralization, and all user data and behavior is only stored in the user's own private space, including: Google Drive, Apple iCloud, Telegram Cloud. We believe that user data is a valuable asset, and protecting user data is the mission of Gel Wallet.

Gel Wallet Technical Architecture



● Use Cases



DApp Interaction

Gel Wallet can be used to interact with various DApps, including DeFi, NFTs, games, and more.

Web3 Asset Management

Gel Wallet is designed for managing a wide range of Web3 assets, such as cryptocurrencies and NFTs.

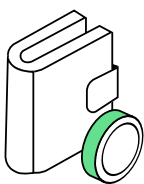
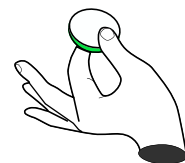


Cross-Chain Transactions

Gel Wallet supports cross-chain transactions, facilitating asset transfers between different blockchains.

Metaverse Applications

Gel Wallet facilitates activities in the metaverse, such as buying virtual land and digital items.



Expanding Applications

Gel Wallet is set to broaden its use cases, offering users an expanding range of services and features.

● Passkey and Google Integration

Passkey and Google integration are core components of Gel Wallet's technology, offering the following advantages:

- **Enhanced Security:** Passkey technology effectively prevents password leaks and phishing attacks, ensuring the safety of user funds.
- **Simplified Processes:** Google integration streamlines user login and verification, improving the overall user experience.
- **Broadened User Base:** Google's extensive user base brings more potential users to Gel Wallet, accelerating growth.

● Building a Vibrant Ecosystem

The Gel Wallet Rewards Hub is a central component of the Gel Wallet ecosystem, designed to boost user engagement and foster a dynamic community through reward mechanisms and community building:

- **DApp Traffic Gateway:** The Rewards Hub provides DApps with increased traffic and exposure opportunities, attracting more users to engage with these DApps.
- **Gpoint Rewards:** Users earn Gpoint rewards by interacting with DApps. Gpoint serves as a proof of participation in the Gel Wallet ecosystem and is a key element of the platform.
- **Gpoint Benefits:** Users can utilize Gpoint to participate in community activities and voting, enhancing their involvement in the ecosystem.
- **Community Interaction:** The Rewards Hub offers extensive community interaction features, allowing users to engage in activities, share experiences, and earn rewards.

Roadmap

2024 Q2

Gel Wallet Launch: Gel Wallet officially launches, supporting PUT and EVM networks.

Rewards Hub Beta: The beta version of the Rewards Hub goes live.

API Integration: The initial version of the Gel Wallet API is released.

Gel Wallet Website: The official Gel Wallet website is launched.

Q4

MPC Integration: Gel Wallet supports MPC (Multi-Party Computation) solutions.

NFT Trading: Gel Wallet adds support for NFT transactions.

Infrastructure Updates: Gel Wallet updates its infrastructure to support more public chains and events.

Launchpad: Gel Wallet introduces its Launchpad feature.

Limited Edition NFTs: The Rewards Hub Beta distributes limited edition NFTs.

Q2

AI-Powered Trading: Gel Wallet Swap launches support for AI-driven market insights and fast transactions.

Expanded Chain Support: Gel Wallet extends its support to more public chains and events.

Rewards Hub Launch: The Rewards Hub officially launches after the Beta phase.

Beta NFTs Distribution: The Rewards Hub distributes NFTs to users who participated in the Beta phase.



Q3

Telegram Login: Gel Wallet adds support for Telegram login.

Swap and Bridge Integration: Gel Wallet integrates Gel Wallet Swap and Gel Wallet Bridge.

Rewards Hub Beta: The beta version of the Rewards Hub introduces Campaign Team mining.



2025 Q1

Earnings Center: Gel Wallet introduces the Earnings Center.

Infrastructure Expansion: Gel Wallet updates its infrastructure to support additional public chains.

Airdrop Interaction: The Rewards Hub Beta launches an Airdrop project interaction section.



Q3

Expanded Bridge Support: Gel Wallet Bridge integrates support for additional public chains.

Increased Swap Integration: Gel Wallet Swap adds support for more DEXs and liquidity sources.

Enhanced Rewards Hub: The Rewards Hub accommodates more project integrations.

New Era: Gel Wallet and the Rewards Hub enter a new era of development.

Future

Password-Free Web Wallet: Develop a password-free web wallet for Web2 and Web3.

Enhanced Wallet: Make Gel Wallet more secure, convenient, and user-friendly as an online non-custodial wallet.

Expanded Products: Offer additional earning and staking options.

Industry Benchmark: Establish Gel Wallet as a leading product in the Web3 industry.

Monthly Hackathons: Host regular monthly hackathons.

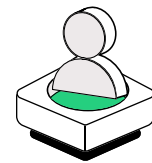
● Empowering Users and Driving Ecosystem Growth

- Gpoint is the native token of the Gel Wallet ecosystem, playing a crucial role within the ecosystem. Its distribution follows principles of fairness, transparency, and incentivization, aimed at encouraging active user participation in ecosystem development:



DApp Interaction Rewards

Users earn Gpoint rewards for engaging with DApps, such as completing tasks, making transactions, and voting, to encourage active participation in the ecosystem.



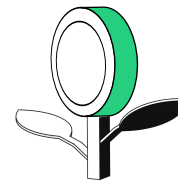
Community Contribution Rewards

Users receive Gpoint for contributing to the community, such as creating content and participating in votes.



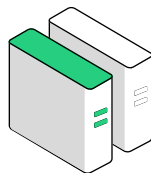
Campaign Mining

Users can earn Gpoint through campaign mining by contributing daily earnings to their team's point totals. Top-ranking teams each week receive additional Gpoint rewards.



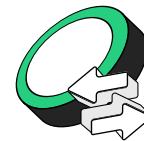
Fair Distribution

The Gpoint distribution mechanism is transparent and public, ensuring all users have fair opportunities to earn rewards.



Governance

Gpoint holders have voting rights and can participate in governance decisions for Gel Wallet, helping to drive ecosystem development.



Redemption of Benefits

Gpoint can be redeemed for benefits and services within the Gel Wallet ecosystem, fostering internal circulation.

● Gpoint Distribution Rules

- Gpoint distribution follows the principle of earning points through user actions, with Gpoint being generated through the following activities: checking in, liking, commenting, visiting, referral rewards, campaign mining, and KOL promotions.
- The following table outlines the detailed methods for earning and burning points:

EARNING	
Action	Description
Checkin	Check-in for 7 Consecutive Days: Earn 1, 1, 1, 2, 2, 2, and 3 Gpoints.
Like	1 Gpoint per DApp, up to 3 per day.
Comment	1.5 Gpoints per comment, up to 3 per day.
Invite	5 Gpoints per user invited Gpoints
Campaign Mining	Earnings based on team level; Gpoints details are described in the campaign mining section.

BURNING	
Action	Description
Join a team	Burn Gpoints based on the team level.
Create a team	Burn 1000 Gpoints
Unclaim earnings	Gpoints earned from campaign mining are burned daily if not claimed.
Inactive	For consecutive n days (where $n \geq 8$) of inactivity (no Gpoints earned), burn (n-7) Gpoints daily.

- **Note:** The above values may be adjusted based on activity operations; actual values will apply. Some mechanisms may not be fully implemented yet. Refer to the official website for updated rules.
- Gpoint earning includes additional bonus factors. For example, logging into Rewards Hub with Gel Wallet earns a 20% bonus. KOLs or communities promoting Gel Wallet Rewards Hub receive special bonus rates. (Bonus applies to actions such as liking, commenting, checking in, and inviting; no bonus for points earned by sub-levels.)
- **Calculation: Actual points earned = Original points * (1 + sum of bonus coefficients).**

● Campaign Mining and Details

- The top 5 teams in the weekly leaderboard share additional rewards.
- The winning team's creator receives 1% of the total points earned by the team.

Level	Hourly Yield	Team Size	Joining Fee
LV1	0.1 Gpoint	0-100	20 Gpoints
LV2	0.2 Gpoint	101-500	40 Gpoints
LV3	0.4 Gpoint	501-1000	80 Gpoints
LV4	0.6 Gpoint	1001-2000	120 Gpoints
LV5	0.8 Gpoint	2001-4000	160 Gpoints
LV6	1 Gpoint	No entry after 6,000 participants.	200 Gpoints

● **Tokenomics**

To be determined.

