

Gasless Mechanism on Playnance Chain

The Playnance chain is a L3 chain built on top of Arbitrum Nova L2 chain (<https://arbitrum.io/anytrust>). The chain designed to offer a seamless and user-friendly experience for interacting with decentralized applications (dApps). Recognizing the importance of accessibility and ease of use, the Playnance chain introduces a gasless transaction mechanism, leveraging its native gas token, PBG, in conjunction with the USD token, a stablecoin pegged to the US dollar and backed by a fiat and crypto treasury.

Gasless Transaction Mechanism

To enhance user experience and remove the barrier of gas fees for transactions and dApp usage on the Playnance chain, we have implemented a distinctive gasless mechanism outlined as follows:

1. Initial Gas Token Distribution:

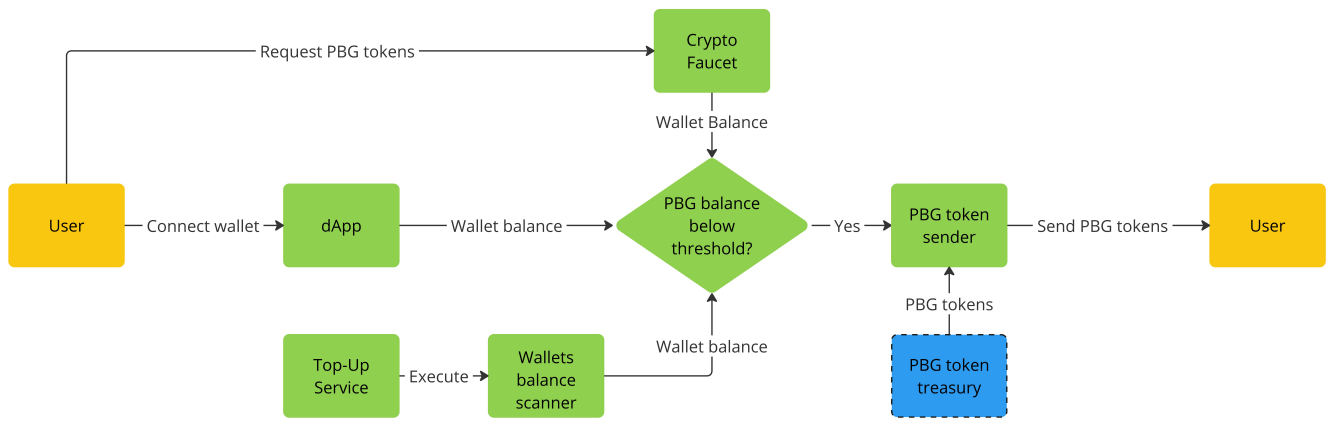
- Upon connecting to a game or dApp on the Playnance chain with a wallet balance of USD tokens greater than zero, users will be automatically credited with a predefined amount of PBG tokens. These tokens are intended to cover the transaction fees incurred by the user, ensuring a frictionless interaction with the platform.

2. Daily Wallet Scan and Top-Up:

- The system employs a daily scanning routine to identify wallets holding USD tokens on the Playnance chain. Wallets with PBG token balances falling below a specified threshold will automatically receive an additional allocation of PBG tokens. This process ensures that active users maintain sufficient gas tokens to continue their engagements on the chain without interruption.

3. Faucet for PBG Tokens:

- Recognizing the need for a fallback mechanism to support new or infrequent users, a faucet has been established. This faucet allows users whose PBG token balances are below the predefined threshold to request an allocation of PBG tokens once per day. This feature is designed to guarantee that all users have the opportunity to engage with dApps on the Playnance chain, regardless of their current PBG token balance.



Conclusion

The Playnance chain's gasless transaction mechanism represents a significant innovation in enhancing user accessibility and engagement within the blockchain ecosystem. By automatically providing PBG tokens to users holding USD tokens, and through the implementation of a daily wallet scan and a user-accessible faucet, Playnance ensures that transaction fees do not hinder the user experience. This approach underscores our commitment as chain owners to creating a seamless, inclusive, and user-centric platform.