



PAW ECOSYSTEM WHITEPAPER

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Introductions

This white paper introduces PAWChain, an innovative Decentralized Exchange (DEX) and community ecosystem established on blockchain technology. PAWChain aspires to eliminate dependencies on Centralized Exchanges (CEX) by adhering to the principles of decentralization, modern security and self-custody.

PAWChain's vision is to revolutionize the way users interact with cryptocurrencies and blockchain technologies without the need for CEX, driving a culture of community management of the PAWChain Ecosystem through a Decentralized Autonomous Organization (DAO)

This document delves into the key components of the PAWChain Ecosystem, Technical Architecture, Token Economics, and Development Roadmap.

This white paper will continue to evolve as additional products and services are developed and launched.

Problem Statement

The absence of a user-friendly and comprehensive toolset, along with secure DEX platforms, limits the opportunities for community engagement and hampers widespread global adoption within the realms of cryptocurrency, Decentralized Finance (DeFi), and the broader Web3 landscape.

Solution Overview

PAWChain's innovative DEX community ecosystem is poised to redefine the cryptocurrency domain. This platform not only provides users with an extensive array of financial tools, ensuring secure, efficient, and user-friendly operations for seamless token swaps, but also lays the foundation for community collaboration and a thriving marketplace. PAWChain embodies the essential solution, emphasizing security, transparency, collaboration, and innovation.

Objectives

PAWChain offers a secure and intuitive DEX optimized for efficient token swapping and beyond. Its products and services promote community engagement, facilitate community-driven governance, and establish a marketplace for digital assets, including Non-Fungible Tokens (NFTs). In essence, PAWChain nurtures an all-encompassing social ecosystem.

2.



PAW Swap aspires to become the ideal swap platform, echoing sentiments expressed in an original Medium post by one of its founders in 2021.

Envisioned as a one-stop-swap solution, PAW Swap incorporates all the necessary features to bolster the adoption of blockchain technology. It's a consolidated hub, meticulously crafted for simplicity and paramount security.

Key attributes include:

PAW Swap will provide users with comprehensive analysis of any token they're considering for purchase. By offering insights into token specifics – from potential security vulnerabilities and contract details (such as renounced/non-renounced status and taxation mechanisms) to ATH/ATL charts and beyond – PAW Swap empowers its users with the knowledge to make informed decisions.

With PAW Swap, users can set limit orders, freeing them from the need to constantly monitor charts for their desired purchase price.

For project founders, there's an option to lock liquidity or earmark tokens for vesting purposes.

Other notable features encompass the ability to add liquidity for preferred tokens, set price ranges to mitigate potential significant impermanent losses, integrate a fiat on-ramp, and facilitate purchases via credit/debit cards.

As evident, PAW Swap's ambition extends beyond being a rudimentary swap platform; it strives to be a convergence hub, catering to the needs of both novices and seasoned web3 users alike."

3.

PAW Aggregator

The Need for PAW Aggregator:

In the rapidly evolving realm of decentralized finance (DeFi), traders demand efficient solutions for cross-chain trading. As the ecosystem of blockchains proliferates, finding optimal pair prices for asset swaps becomes increasingly complex. PAW Aggregator steps in, presenting a cutting-edge cross-chain aggregator designed to revolutionize Multi-Decentralized Exchange (DEX) trading.

Key Features:

- **Comprehensive Insight:** Gain a panoramic view of real-time pair prices across multiple DEXs, thanks to PAW Aggregator's integration with blockchain technology.
- **Aggregated Liquidity:** By consolidating liquidity from diverse chains, PAW Aggregator ensures traders access the best swap rates, fortified with the knowledge to trade wisely.
- **Seamless Blockchain Navigation:** Experience effortless trading across numerous blockchains, ensuring a rich palette of trading options for varied user needs.
- **Robust Analytics:** Beyond just pricing, PAW Aggregator furnishes detailed statistics, charts, and historical data, aiding users in making data-driven trading decisions.
- **Risk Management:** Integrated risk assessment tools help users evaluate and mitigate potential risks associated with specific swaps.
- **Responsive Customer Support:** A devoted customer support team at PAW Aggregator stands ready to assist users with any questions or challenges they encounter.

Advanced Technology:

- PAW Aggregator relies on intricate algorithms and smart contracts, ensuring the precision and reliability of pricing data.
- These robust smart contract frameworks also guarantee secure and prompt trade executions.

4.

User-Friendly Interface:

- PAW Aggregator boasts a user-friendly interface that's streamlined and effective, presenting organized views of real-time pricing and liquidity data.
- This intuitive design ensures traders, whether they're seasoned DeFi experts or newcomers, can navigate the platform with ease.
- Customization Options: Users have the flexibility to tailor the interface, arranging data and features according to their preferences.
- Bilingual Assistance: To serve a global audience, the platform offers bilingual support, ensuring both inclusivity and ease of use.

Boosting DeFi Liquidity:

- The primary mission of PAW Aggregator is to consolidate liquidity pools from multiple DEXs, thereby enhancing the overall liquidity and operational efficiency of the DeFi ecosystem.
- Such liquidity consolidation facilitates blockchain interoperability, leading to advantages like superior pricing for traders and a wider embrace and proliferation of decentralized finance.

Privacy and Security:

- PAW Aggregator places a premium on user security and privacy, employing top-tier security practices and robust encryption techniques.
- These protective measures work in tandem to safeguard user assets and personal data, instilling trust in the platform.

Future Prospects:

- The trajectory of PAW Aggregator is characterized by bold expansion goals, including forging strategic partnerships and integrating with additional blockchain networks.
- Moreover, the platform remains committed to ongoing research and development, aiming to introduce advanced trading tools and tailored suggestions, refining the user experience to match individual preferences.

With its advanced aggregation, PAW Aggregator leads cross-chain trading. Offering real-time pricing across blockchains, it ensures users get the best rates. Its intuitive design, tech, and focus on security make it a DeFi game-changer, enabling seamless cross-chain deals.

5.



Enabling Crypto Payments

PAW Merchant is an innovative component of the PAWChain ecosystem that enables seamless acceptance of cryptocurrencies as a form of payment for merchants. It bridges the gap between the digital and traditional economies, providing a reliable and efficient solution for merchants to integrate cryptocurrencies into their payment systems.

With PAW Merchant, merchants can expand their payment options and cater to a growing base of cryptocurrency users. By integrating with cryptocurrency payment gateways, PAW Merchant simplifies the process of accepting digital assets, allowing customers to make purchases using their preferred cryptocurrencies.

One of the key functionalities of PAW Merchant is the conversion of cryptocurrencies into fiat currencies. This feature facilitates easy settlements for merchants who prefer traditional currencies. PAW Merchant may partner with external exchanges or liquidity providers to ensure the smooth conversion of digital assets into the desired fiat currencies, reducing the complexity and volatility associated with accepting cryptocurrencies.

PAW Merchant prioritizes security and reliability in cryptocurrency transactions. It leverages robust encryption methods and utilizes secure payment gateways to protect sensitive customer information and ensure secure transactions. By adhering to industry best practices and security standards, PAW Merchant provides merchants and their customers with peace of mind when transacting with cryptocurrencies.

Key Features

Gas Fee Elimination:

PAW Merchant's off-chain ledger enables fee-free crypto transfers, saving customers from on-chain gas fees.

Cost reduction:

This novel approach drastically decreases transaction costs while speeding up crypto transfers, providing retailers with a game-changing alternative to existing payment systems.

Merchant API Integration:

PAW Merchant offers a smooth Merchant API that allows businesses to easily integrate crypto payments into their existing infrastructure, allowing them to tap into the expanding crypto industry.

Straightforward Integration:

Businesses may quickly adapt to this new payment method, increasing payment options for customers.

P2P Off-Chain Trading:

With P2P off-chain trading, PAW Merchant goes beyond traditional payment processing. Users can swap crypto directly, securely and effectively, bypassing intermediaries and centralized exchanges.

Enhanced Liquidity:

P2P off-chain trading increases liquidity while offering users greater control over their assets and avoiding centralized exchange risks.

User-Friendly Interface:

PAW Merchant prioritises user experience with an easy-to-use interface that simplifies crypto holdings management, payments, and P2P trading

Focus on Security:

Robust security measures protect user funds and personal information, assuring safe transactions.

7.

Scaleability & Efficiency

- By utilizing off-chain technology, PAW Merchant helps to the general efficiency and scalability of the PAW ecosystem.
- Off-chain transactions reduce congestion and scalability difficulties, allowing for speedier and less expensive transfers.
- This benefits merchants while also advancing cryptocurrency adoption as a viable payment method.

Privacy & Security

- PAW Merchant prioritizes security and privacy, complying to industry best practises and implementing rigorous encryption techniques.
- In an increasingly cyber-threat-prone crypto world, this dedication assures the greatest level of user protection.

Future Prospects

- PAW Merchant has ambitious aspirations for growth and innovation, including the formation of partnerships and collaborations to broaden its capabilities.
- With powerful analytics and customizable payment options, ongoing research and development aims to improve user experiences.
- PAW Merchant promises to be the go-to platform for off-chain cryptocurrency holdings and payments.

Merchant Adoption

PAW Merchant offers merchants access to valuable insights and analytics regarding cryptocurrency payments. This enables businesses to gain a deeper understanding of their customer base, monitor transaction trends, and make data-driven decisions to optimize their operations.

PAW Merchant empowers merchants to embrace the world of cryptocurrencies, providing a user-friendly and secure platform for accepting digital payments. By integrating with cryptocurrency payment gateways and offering fiat conversion capabilities, PAW Merchant opens new avenues for merchants to expand their customer reach and tap into the growing crypto economy.

Peer-to-Peer (P2P) Marketplace

A different way to trade tokens in defi, without Automated Market Makers (AMM). With AMM comes price impact, often, to avoid this, the only way to mitigate the price impact is to sell Over The Counter (OTC) with Centralized Exchanges, with the P2P marketplace, users can trade directly with the buyers who list their tokens or other assets for sale without going through any AMM which results in little to no price impact.

Conclusion

PAW Merchant pioneers off-chain crypto transactions, transforming how merchants manage crypto assets and accept payments. It lowers transaction costs and improves crypto transfers by eliminating gas fees and offering a seamless off-chain ledger. The Merchant API and P2P off-chain trade open up new possibilities for both businesses and users. PAW Merchant builds the future of crypto payments with a user-friendly interface, unwavering security commitment, and future-focused expansion plans.



The PAW Decentralized Autonomous Organization (PAW DAO) is an integral part of the PAWChain ecosystem, designed to empower community governance and decision-making. It represents a revolutionary approach to decentralized management, where token holders have a direct say in shaping the future of the Ecosystem.

At its core, PAW DAO enables users to actively participate in the governance of PAWChain. Through a decentralized voting mechanism, token holders can propose and vote on important decisions that impact the Ecosystem's development, features, and policies. This inclusive governance model ensures that the Ecosystem's direction is determined collectively by the community, fostering a sense of ownership and accountability.

PAW DAO offers a transparent and fair governance framework, where each token holder's voting power is directly proportional to their stake in the ecosystem. This ensures that decisions are made in a decentralized manner, reflecting the consensus and interests of the community as a whole.

Additionally, PAW DAO encourages active participation and contribution from its members. It incentivizes token holders to engage in the governance process by offering rewards and benefits for their involvement. This ensures that those who actively contribute to the Ecosystem's growth and success are duly recognized and incentivized.

By integrating a DAO structure, PAW Chain embraces the principles of decentralization and community-driven decision-making. PAW DAO serves as a platform for open dialogue, collaboration, and the collective advancement of the PAWChain ecosystem. It empowers users to actively shape the future of the Ecosystem and participate in building a decentralized financial infrastructure that aligns with the community's vision and values.

10.



PAWChain aims to bring the entire blockchain space together and further the adoption of the crypto realm.

PAWChain is a place for us to deploy all of our utilities and allow them to function with very cheap transaction fees.

Throughout its early life PAWChain will go through a series of upgrades, however its first version will be a custom Layer 2 with a unique consensus mechanism. Designed to vastly lower transaction times, eliminate congestion, and increase decentralization.

Proof of Authority (PoA)

This consensus eliminates the need for mathematical calculations to determine which validator goes first based on the total share of stake. Instead, in times of congestion if the network gets a backlog of transactions the PoA validator can take the entire memory pool and batch sign all the transactions.

How do we ensure the PoA validator is decentralized and trusted?

Proof of Authority is often thought of as centralized, because in its most basic form, it is manually handing over the privilege of validation to a set of individuals. However, as a decentralized project, we have taken it into the realm of DeFi. PAWChain will have ten (10) PoA Validators that will be required to undergo an independent third party KYC validation and any other necessary information to prove their legitimacy. The KYC third party would have strict procedures to only ever disclose their information if any illegal practice was to occur. This, in and of itself, ensures the Validator is committed to play by the rules.

Proof of Stake (PoS)

As with other Proof of Stake chains, holders of \$PAW token will be able to stake with their chosen Validator. The higher a Validator's stake, the more voting power they have in the network. Proof of Stake can still override PoA validators if a problematic block is detected.

11.

PAW Treasury

PAW Treasury is a **Gnosis Safe Multisig Wallet** managed by the Core Team with the sole focus on development and adoption of \$PAW.*

FAFO365	CEO	OxDc2c78E31OD0c04DBBa12846E536937802CFfb3b
STEVE	CMO	Ox923E80012e838f41EeCA150df7eA36C18f4407D6
EFFY	CCO	Ox7bdE2Fee1994c44c44DF4326bB2448927cOd2904
RUGGZ	CFO	OxcF9e693Dda18900f47338184B9f56c9c6d9c9121
PAWKISHI	CTO	Ox6647FE7C696275E022FE32ea6Cf396009543d30a
Nikitatanaka	Tech Lead Dev	Ox5D8255c6013975d58F86275f578199B89d5D24d7
Bixbyjesus	Back-end Lead Dev	Ox804498a83F77DEA62ebC984B3Ab9445BDF5B4d91
Kytotomato	Blockchain Lead Dev	Ox5bfAf57A59F5A8761a695Da4E728b89c9D576E33



CONTRACT



TIMELOCK



MULTI SIG

***6 out of 8 signatures required for movement of funds**



PAW Club is a unique and engaging feature within the PAWChain ecosystem, designed to enhance community engagement, collaboration, and personalization. It serves as a social hub, where users can create bespoke profiles and connect with like-minded individuals within the PAWChain community.

With PAW Club, users have the opportunity to showcase their crypto journey and express their unique identities. They can create personalized profiles, add avatars, and share information about their interests and experiences in the decentralized landscape. This enables users to establish their presence within the community and connect with others who share similar passions and goals.

In addition to personalization, PAW Club introduces gamification elements to incentivize active participation and contribution. Users can earn rewards and achievements by engaging in various community activities, such as participating in discussions, sharing insights, and supporting the Ecosystem's governance. These gamified experiences enhance the sense of community and encourage users to actively participate and collaborate within the PAW Ecosystem.

PAW Club also plays a crucial role in the governance model of PAW Swap. Users can contribute their ideas, suggestions, and proposals to shape the future direction of the Ecosystem. Through voting mechanisms, token holders can participate in decision-making processes, ensuring a decentralized and community-driven approach to Ecosystem governance.

Ultimately, PAW Club acts as a bridge, connecting individuals and facilitating a sense of belonging within the PAWChain community. It promotes collaboration, knowledge sharing, and the formation of meaningful connections, driving a vibrant and inclusive ecosystem where users can thrive and contribute to the growth and development of PAWChain.

Security Measures

PAWChain's technical architecture prioritizes security, scalability, and user experience. With its native PAW token, the ecosystem incentivizes participation, rewards active members, and empowers token holders with governance rights.

At PAWChain, we are dedicated to safeguarding the assets and privacy of our users. By combining industry-leading security measures, continuous monitoring, and compliance practices, we strive to provide a secure and reliable Ecosystem for all your cryptocurrency needs.

Staying true to the principles of decentralization, PAWChain not only involves its community in maintaining the security of its ecosystem but has contracted a third party security company (Certik) to perform all the necessary security audits and monitoring. The PAWDAO governance model also empowers users to vote on key security policies and updates, ensuring that PAWChain remains a secure space driven by its community.

PAWChain: A Secure Crypto Ecosystem

At PAWChain, security is our priority. We have implemented a comprehensive range of measures to ensure the safety and integrity of our Ecosystem.

Here is an overview of our robust security infrastructure:

Code Audit by CertiK: To maintain the highest standards of security, all of our code undergoes a thorough audit conducted by CertiK, a leading blockchain and smart contract security firm. This audit ensures that potential vulnerabilities and weaknesses are identified, reviewed, and remediated proactively.

CertiK Bug Bounty Program: We actively encourage the community to participate in our bug bounty program, which incentivizes researchers and developers to discover and report any security vulnerabilities they may find. This collaborative effort helps us continuously improve the security of our Ecosystem while embracing community involvement and feedback, which is core to decentralization principles.

Continuous Monitoring for Security Threats: We employ Certik's Continuous Monitoring service, which enables us to detect and respond to security threats in real-time. This proactive approach ensures that any potential breaches or malicious activities are promptly identified and mitigated.

Organizational KYC: As part of our commitment to compliance and preventing fraudulent activities, we adhere to a stringent organizational KYC process. This means that we diligently verify the identity of our core team, ensuring that they are genuine and trustworthy participants in the PAWChain ecosystem.

NIST for Security: We adhere to the security guidelines set forth by the National Institute of Standards and Technology (NIST). By following these industry best practices, we ensure that our Ecosystem incorporates robust security controls and protocols.

DevSecOps Process: Our development and operations teams follow a DevSecOps process, where security considerations are integrated throughout the entire Software Development Lifecycle (SDL). By incorporating security practices from the initial stages of development, we minimize the risk of vulnerabilities and enhance the overall security posture of PAWChain's products and services.

Utilizing Regulatory Compliant Partners: We collaborate with trusted partners who have achieved regulatory compliance in the crypto and decentralized finance industry. This allows us to leverage their expertise and ensure that our Ecosystem meets the necessary regulatory standards, providing a secure and compliant environment for our users.

Token Economics

Utility of PAW Token

Role and utility of the native PAW token within the PAW Swap ecosystem. Rewards, discounts, and governance rights associated with token ownership.

Token Distribution

Upon the launch of \$PAW, a stealth launch was initiated with no broadcast, no air drops, and no insider awareness/knowledge. This ensured the launch was fair and above reproach.

Team Finance

As noted throughout this Whitepaper, transparency is a core value for PAWChain. As such, upon launch the team employed several lock events through a 3rd party smart contract locking toolkit called Team Finance. These events lock tokens away for set periods of time, improve the security of the project, and help build trust with investors.

The table below outlines the locking schedule for \$PAW tokens:

350Trillion \$PAW total lock*

Date Locked	Amount	Unlock Date
16th Jan 2023	192,500,000,000,000	16th Jan 2024
16th Jan 2023	87,500,000,000,000	15th July 2023
16th Jan 2023	35,000,000,000,000	22nd April 2023
16th Jan 2023	35,000,000,000,000	30th Jan 2023

Link to our Team Finance page:

<https://www.team.finance/view-coin/OxDc63269eA166b70d4780b3A11F5C825C2b761B01?name=PAWSWAP&symbol=PAW&chainid=Ox1>

16.

Liquidity

Liquidity was created for \$PAW with the following token allocations:

650,000,000,000,000 \$PAW

+

3 \$ETH

Creating 44,158,804.33 SLP tokens which were sent to dead wallet

LP Tokens burnt and sent to dead wallet

<https://etherscan.io/token/OxOdba3dfee43d9b6450c716c58fdae8d3be37fdc9?a=Ox9B57Ea021189175500BC3d3260E26A881063Dff9>

Staking Overview

The PAW staking platform was developed to allow our holders the ability to be active participants in the growth of the ecosystem and receive rewards in return. The team has developed a unique staking platform that is both technologically innovative and highly intuitive to use.

Staking Rewards

Users will be able to stake their tokens to accumulate rewards. The PAW staking platform uses a variety of staking options to give the end user total control in how they would like to stake. As a result, the end user is able to choose a staking option that is right for them and receive a predetermined yield based on the staking type selected.

PAW Token Staking

Staking options earn wPAW*

Staking Option	Time Lock	APR	Early withdrawal penalty
Flexible PAW Stake	None	3%	None
Locked PAW Stake	13 Weeks	8%	10%

Using the Flexible Staking option, users who stake \$PAW without locking generate a standard rewards rate of 3% APR. These funds may be withdrawn at any time. While staking, you will accrue rewards at 3% APR for the duration of the program.

Using the Locked Staking option, users who stake and lock their \$PAW generates a special rewards rate of 8% APR. The required lock duration is 13 weeks. Following the 13-week window, these funds may be withdrawn at any time. You will continue to accrue rewards at the special rate of 8% APR for the duration of the program so long as your tokens remain staked.

There will be an early unlock penalty of 10% for lockers who unstake their tokens before their total locking duration has elapsed!

The PAW staking program will remain active for 52 weeks after launch, or until the release of PAWChain's main-net, whichever comes first. Following this event, users will be able to validate, delegate, or stake (lock) to the PAWChain network to earn long-term rewards.

18.

Liquidity Pool (LP) Staking

Staking options earn wPAW*

Staking Option	Time Lock Required	APR	Early withdrawal penalty
PAW/ETH (SHIBASWAP)	None	6%	None
PAW/ETH (UNISWAP V2)	None	6%	None
PAW/ETH (UNISWAP V3)	None	6%	None

In addition to staking \$PAW tokens, users will be able to stake their PAW-WETH Liquidity Pool (LP) tokens from both UniSwap and ShibaSwap on our staking platform. These tokens are not locked and can be freely deposited and withdrawn without penalty.

The PAW liquidity staking program will remain active for 52 weeks, or until the release of PAWChain's mainnet, whichever comes first. Following this event, users will no longer earn \$PAW rewards for staking their third-party LP tokens.

Lockers

Another unique feature to PAWChain that further increases decentralization is the Locker contract. In essence, it is a mutual fund of validators.

Often, people would like to split their \$PAW investment across multiple Validators; the locker contract allows you to stake your \$PAW and allow the entire \$PAW community to vote via the PAW DAO which Validators the locker contract pool of \$PAW is assigned to.

This means that, even though you performed a single stake, your investment in the locker contract could be distributed across 5 or more different Validators, each receiving a different percentage.

Projections

The overall goal of the ecosystem is to create a fully self-sufficient system that can fund itself for future growth.

This entails that all utilities we develop for \$PAW will direct their fees to the PAW Treasury.

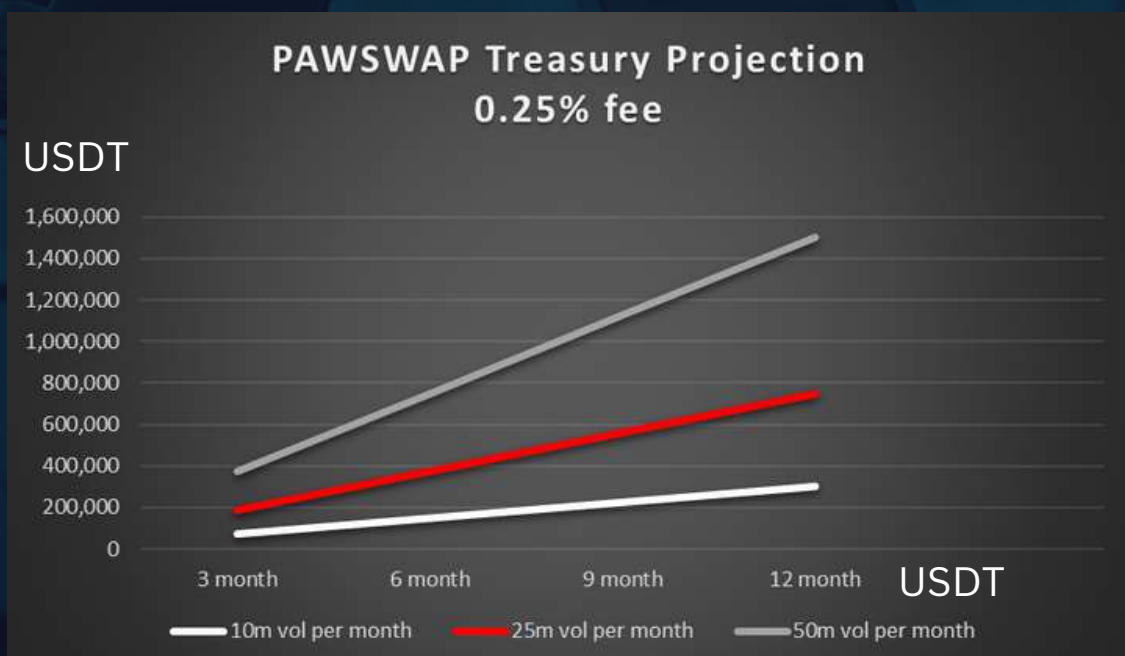
The plan is for these fees to entirely fund the growth of the PAW Ecosystem.

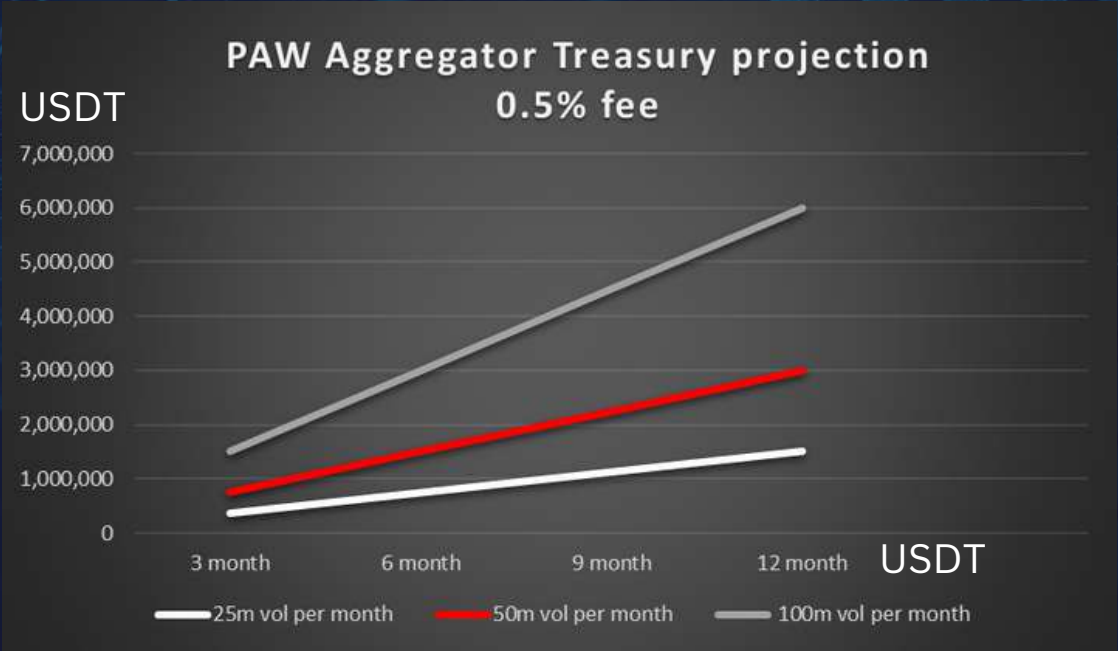
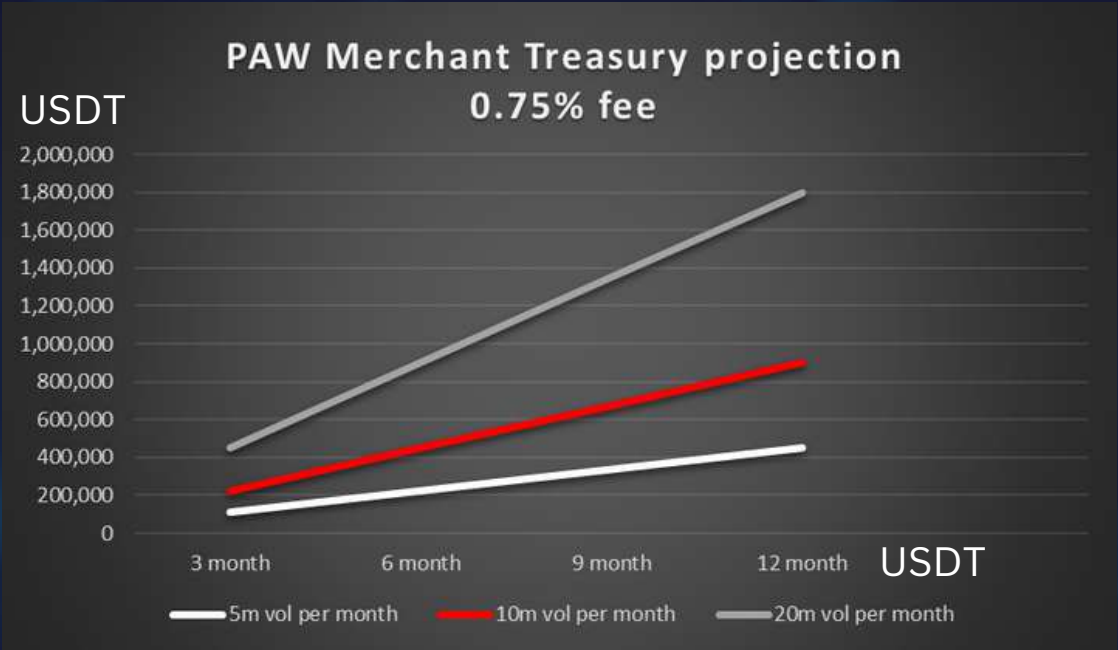
The biggest expansion plan is the buying back of \$PAW tokens and creating LP pairs. Initially, the plan will involve creating pairs with native tokens such as ETH, BNB, and SOL. Liquidity Pooling (LP) effectively removes \$PAW tokens from direct circulation, facilitating purchases of more \$PAW with reduced price impact.

Once the treasury reaches a point where it can sustain itself through future bear markets without external funding, and the full set of utilities currently in development by the current developers are finished, the DAO will take complete control of the treasury and its future.

Here are some projections based on potential monthly volume.

Disclaimer: The following projections and graphs are based on estimates derived from volumes observed in other emerging ecosystems. These are the utilities scheduled first, but there will be more that generate fees for the treasury.





Conclusion

Centralized cryptocurrency trading platforms and exchanges will often fall short of meeting users' expectations. As a result, market share continues to decrease, thus further eroding consumer confidence and trust in these centralized solutions for banking and/or asset storage.

On the other hand, DEX applications have continuously proven themselves as a trustworthy avenue for self-custody of user funds. When looking at the bigger picture, such as combining the leading Total Value Locked (TVL) of all cryptocurrency projects, the long-term growth of cryptocurrency exponential expansions, and innovative solutions for decentralized applications, the outlook for the PAW Ecosystem becomes clear.

PAWChain presents an all-encompassing ecosystem that combines a decentralized exchange, a thriving community, a virtual world, and merchant adoption. It aims to transform the way users engage with cryptocurrencies, providing them with a comprehensive and user-centric ecosystem that bridges the gap between traditional and digital economies.

This is your call-to-action, PAW Community! This is your invitation to participate in, explore around, and contribute to an ecosystem that is designed for YOU, that is governed by YOU, and one that specifically places YOU as its very center.

