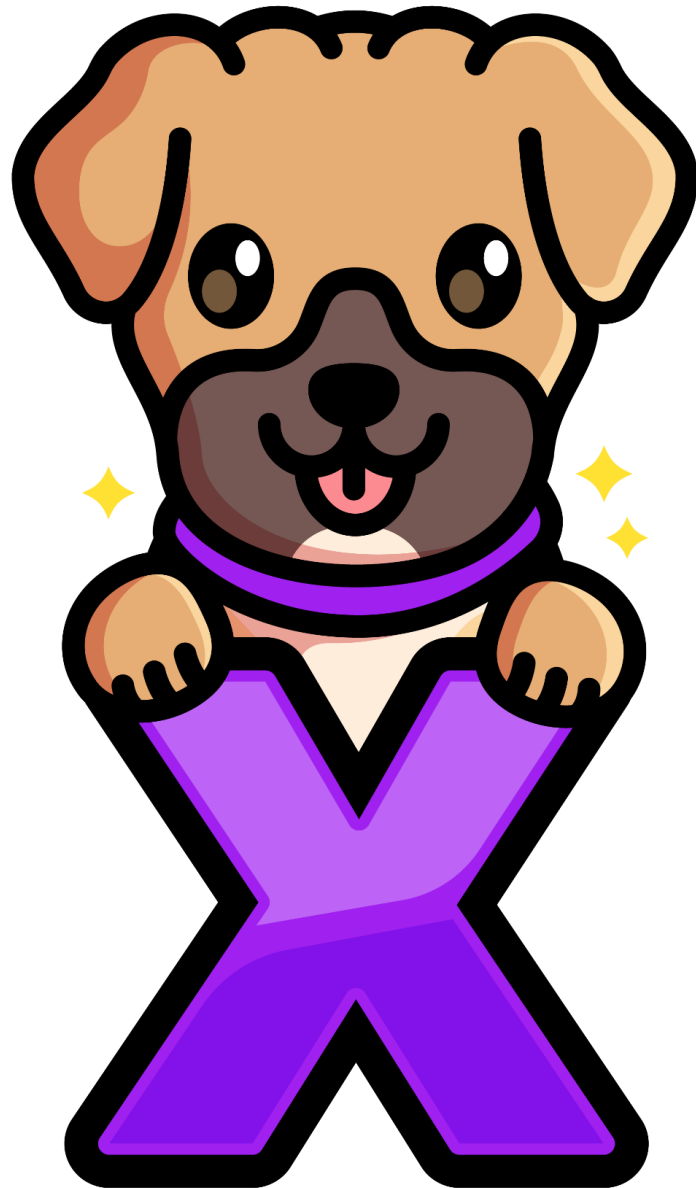


XENDoge: A Cryptocurrency for Animal Welfare and Fair Crypto Adoption



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Abstract. This litepaper provides an examination of XENDoge, a novel cryptocurrency that aims to save the lives of animals while adhering to the first principles of crypto. XENDoge is an ERC20 token on the Ethereum network, with its supply starting from zero and minted through the burning of XEN. With an exciting early adopter bonus system and a capped supply of 50 billion tokens, XENDoge presents an exciting opportunity for the crypto community. This paper delves into the key features and mechanisms of XENDoge.

Introduction

The world of cryptocurrencies, as originally envisioned by Satoshi Nakamoto, has revolved around the principles of fairness, transparency, and decentralization. Over the years, however, many cryptocurrencies have pre-mints, centralized control and some have even been outright scams.

XEN is a cryptocurrency that seeks to bring back fair crypto and first principles to the masses, and I'm humbled that I can bring more value to the XEN ecosystem with XENDoge.

XENDoge, inspired by Jack Levin's rescued dog, aims to merge the first principles of cryptocurrencies with a mission to contribute to a good cause - saving animals and providing them with the care they need. This white paper provides a comprehensive analysis of XENDoge's features and mechanisms.

XENDoge: An Overview

XENDoge is an ERC20 token built on the Ethereum network, which enables seamless integration with Ethereum-based decentralized applications (dApps) and wallets. The total supply of XENDoge starts from zero, with tokens minted exclusively by burning XEN tokens. For every 1000 XEN tokens burned, the user receives 1 XENDoge + bonus. The maximum supply of XENDoge is capped at 50 billion tokens. Once this limit is reached, the minting process will cease, and the only way tokens can be acquired is through the open market.

XENDoge's Inspiration

Initially, XENDoge was conceived as just another memecoin, devoid of any captivating tokenomics or purpose. However, when I reached out to Jack Levin, the visionary founder of XEN, through a Twitter direct message to pitch the XENDoge project, he proposed an inspiring idea - why not harness the power of XENDoge to aid animals in need?

Jack's own experience of rescuing his dog from the unforgiving streets and providing a warm, loving home became the driving force behind this vision. It is from this heartfelt moment that XENDoge evolved into a compassionate cryptocurrency, offering users the opportunity to make optional donations to better the lives of vulnerable animals and create a real-world impact.



And let's be honest, who could resist that adorable face? We were so taken with Jack's furry friend that we decided to create our logo based on those irresistible features!

Token Burning Mechanism

The process of burning tokens involves the permanent removal of tokens from circulation, reducing the overall supply. In the case of XENDoge, users burn XEN tokens to mint XENDoge tokens. This mechanism serves the purpose of providing a transparent and fair method for distributing XENDoge tokens to the community while also contributing to XEN deflation.

Optional Eth Donation to Saving Animals

Alongside minting XENDoge through the burning of XEN tokens, users have the option to contribute Ethereum (ETH) to support animal rescue shelters. By including ETH in the same transaction as the XEN tokens during the burning process, users can seamlessly donate to a secure 4 of 5 multi-sig Gnosis wallet, which holds and disburses funds to various deserving animal shelters.

This innovative approach enables you to simultaneously donate and mint XENDoge in a single transaction, ensuring you only incur one gas fee while making a meaningful difference in the lives of vulnerable animals.

The XENDoge community will actively participate in a collaborative decision-making process, evaluating and discussing various organizations' merits, to determine the most deserving and impactful recipients for the generous donations.

Multi-Sig Wallets

A multi-sig wallet is a security feature that requires approval from a specified number of wallet holders (e.g., 4 out of 5) before funds can be transferred or withdrawn. This ensures that the funds are protected from unauthorized access and guarantees transparent distribution to the intended recipients - the animal welfare organizations. Jack Levin is one of those 5 holders.

Adherence to Crypto First Principles

XENDoge is firmly committed to the first principles of cryptocurrencies, as established by Satoshi Nakamoto and revived by XEN Crypto. These principles include:

Fairness

XENDoge's minting process is designed to be accessible to all, with no preferential treatment. This ensures that every participant has an equal opportunity to mint and acquire the tokens.

Transparency

XENDoge's smart contract is open-source, and all transactions are publicly visible on the Ethereum blockchain. This guarantees that every user can audit the token distribution process and track the flow of funds within the ecosystem.

No Pre-Mint

XENDoge's supply starts from zero, ensuring that all users have an equal opportunity to mint and acquire the tokens. This prevents any pre-minted tokens from unfairly benefiting a select few.

No Team Allocation

XENDoge has no reserved allocation for the team or any other entity, promoting fairness and decentralization. All tokens are distributed through the burning of XEN, ensuring that the process remains transparent and impartial.

No Central Authority

XENDoge is a decentralized project with no single point of control or decision-making authority. This ensures that the project remains true to the core principles of cryptocurrencies and fosters a truly decentralized ecosystem.

Early Adopter Bonus System

Inspired by Bitcoin's halving event, which reduces the block reward for miners by 50% every four years, XENDoge has implemented an early adopter bonus system designed to incentivize adoption and create excitement around the project. The bonus system is based on the percentage of the total supply minted at the time of burning XEN tokens. As the percentage of supply minted increases, the bonus is reduced by a third, further encouraging early participation. The bonus tiers are as follows:

Minted Supply	Bonus
0-15% of the supply minted	1500%
15-25% of the supply minted	1000%
25-35% of the supply minted	666%
35-45% of the supply minted	444%
45-55% of the supply minted	296%
55-65% of the supply minted	197%
65-70% of the supply minted	131%
70-75% of the supply minted	87%
75-80% of the supply minted	58%
80-85% of the supply minted	38%
85-90% of the supply minted	25%
90-95% of the supply minted	17%
95-100% of the supply minted	0%

The halving mechanism in Bitcoin serves as an important economic model for controlling the inflation rate and ensuring a predictable supply over time. By incorporating a similar mechanism into the early adopter bonus system, XENDoge not only rewards users who participate early but also fosters a sense of anticipation and excitement as the bonus rate decreases and should increase the value of XENDoge over time.

Conclusion

XENDoge is an innovative cryptocurrency that combines the core principles of decentralized finance with a philanthropic mission to support animal welfare shelters. By utilizing an ERC20 token on the Ethereum network, an early adopter bonus system, and a capped supply of 50 billion tokens, XENDoge presents a unique opportunity for users to participate in a project with both financial and social benefits. As the adoption of XENDoge grows, so too will its impact on animal shelters, helping to improve the lives of countless animals in need of care and support. The project exemplifies the potential of cryptocurrencies to drive positive change and contribute to a more equitable world for animals.

Calculating the Total XEN Burn

To calculate the total amount of XEN burned when the max supply of 50 billion XENDoge is reached, we need to do the following:

First, we need to calculate the amount of XENDoge minted for each bonus tier:

0-15% of supply: 7,500,000,000 XENDoge
 15-25% of supply: 5,000,000,000 XENDoge
 25-35% of supply: 5,000,000,000 XENDoge
 35-45% of supply: 5,000,000,000 XENDoge
 45-55% of supply: 5,000,000,000 XENDoge
 55-65% of supply: 5,000,000,000 XENDoge
 65-70% of supply: 2,500,000,000 XENDoge
 70-75% of supply: 2,500,000,000 XENDoge
 75-80% of supply: 2,500,000,000 XENDoge
 80-85% of supply: 2,500,000,000 XENDoge
 85-90% of supply: 2,500,000,000 XENDoge
 90-95% of supply: 2,500,000,000 XENDoge
 95-100% of supply: 2,500,000,000 XENDoge

Next, we need to calculate the actual amount of XENDoge minted without the bonus for each tier (base amount):

Base amount = Minted amount / (1 + Bonus rate)

Now, we can calculate the total XEN burned for each tier:

XEN burned = Base amount * 1000

Finally, we sum up the XEN burned for each tier to get the total amount of XEN burned when the max supply is reached.

Here are the calculations for each tier:

$$0-15\% \text{ of supply: XEN burned} = (7,500,000,000 / (1 + 15)) * 1000 = 500,000,000,000 \text{ XEN}$$

$$15-25\% \text{ of supply: XEN burned} = (5,000,000,000 / (1 + 10)) * 1000 = 454,545,454,545.45 \text{ XEN}$$

$$25-35\% \text{ of supply: XEN burned} = (5,000,000,000 / (1 + 6.66)) * 1000 = 625,000,000,000 \text{ XEN}$$

$$35-45\% \text{ of supply: XEN burned} = (5,000,000,000 / (1 + 4.44)) * 1000 = 833,333,333,333.33 \text{ XEN}$$

$$45-55\% \text{ of supply: XEN burned} = (5,000,000,000 / (1 + 2.96)) * 1000 = 1,250,000,000,000 \text{ XEN}$$

$$55-65\% \text{ of supply: XEN burned} = (5,000,000,000 / (1 + 1.97)) * 1000 = 1,666,666,666,666.67 \text{ XEN}$$

$$65-70\% \text{ of supply: XEN burned} = (2,500,000,000 / (1 + 1.31)) * 1000 = 1,082,251,082,251.08 \text{ XEN}$$

$$70-75\% \text{ of supply: XEN burned} = (2,500,000,000 / (1 + 0.87)) * 1000 = 1,333,333,333,333.33 \text{ XEN}$$

$$75-80\% \text{ of supply: XEN burned} = (2,500,000,000 / (1 + 0.58)) * 1000 = 1,587,301,587,301.59 \text{ XEN}$$

$$80-85\% \text{ of supply: XEN burned} = (2,500,000,000 / (1 + 0.38)) * 1000 = 1,811,594,202,898.55 \text{ XEN}$$

$$85-90\% \text{ of supply: XEN burned} = (2,500,000,000 / (1 + 0.25)) * 1000 = 2,000,000,000,000 \text{ XEN}$$

$$90-95\% \text{ of supply: XEN burned} = (2,500,000,000 / (1 + 0.17)) * 1000 = 2,136,752,136,752.14 \text{ XEN}$$

$$95-100\% \text{ of supply: XEN burned} = (2,500,000,000 / 1) * 1000 = 2,500,000,000,000 \text{ XEN}$$

Now, summing up the XEN burned for each tier:

$$\begin{aligned} \text{Total XEN burned} &= 500,000,000,000 + 454,545,454,545.45 + 625,000,000,000 + \\ &833,333,333,333.33 + 1,250,000,000,000 + 1,666,666,666,666.67 + \\ &1,082,251,082,251.08 + 1,333,333,333,333.33 + 1,587,301,587,301.59 + \\ &1,811,594,202,898.55 + 2,000,000,000,000 + 2,136,752,136,752.14 + 2,500,000,000,000 \end{aligned}$$

Total **approximate** XEN burned \approx 15,880,776,803,081.14 XEN