PyroPets

An extensible, deflationary, completely open-source permanent MRC721 NFT collectible game powered by the MetrixCoin blockchain.

White Paper

v1.0

Abstract

The MetrixCoin blockchain technology includes an Ethereum Virtual Machine (EVM) which is highly underutilized.

As a result of underutilization the circulating supply of MRX (the native currency of the MetrixCoin platform) increases over time devaluing the MRX held by all participants of the network.

PyroPets will increase network utilization and decrease the circulating supply of MRX through the following tactics:

- Burning 100% of fees
- Gamifying features that use the blockchain
- An open, accessible and extensible platform
- Inspiring future developers through open source code

PyroPets will work to inspire the MetrixCoin community with potential applications and use cases, while normalizing the processes of using the MetrixCoin blockchain with decentralized applications (Dapps) and Web3 technology.

1. Motivation

PyroPets development was motivated by the increasing circulating supply of MRX on the MetrixCoin blockchain due to the lack of utilization of the technologies the blockchain has to offer.

Inspired by other EVM based NFT games, like CryptoKitties which is on the Ethereum Network, PyroPets aims to address two key issues:

1. Underutilization of the MetrixCoin blockchain
2. Unfamiliarity with web3 or other blockchain technology

These issues, we believe, can be addressed by providing the MetrixCoin community with an approachable and open-source platform to interact with and learn from. In addition to this, PyroPets aims to innovate within the blockchain space by exploring:

3. Digital scarcity, upgradable digital collectibles and non-fungible tokens
4. Deflationary blockchain mechanics like ProofOfBurn
5. Extensible blockchain protocols

1.1 MetrixCoin blockchain utilization

MetrixCoin, with its ProofOfStake consensus mechanism, relatively low fees, fast blocktimes and support for both UTXO and EVM transactions, has the potential to enable developers and projects to build fast, secure and reliable systems to power the future of technology. We believe that the underutilization of the MetrixCoin blockchain is due to the esoteric nature of blockchain technology and the public's unfamiliarity with blockchain technology in general.

1.2 Web3 and other blockchain technology

Web3 and the general public's unfamiliarity with it is a major obstacle to adoption and utilization. The technology allows for the technologies that make the blockchain so powerful to be leveraged both on and off-chain.

1.3 Historic Examples

Since the inception of NFTs, they have proven to be highly utilized and desired assets. Many successful examples can be seen which add utility or other useful functionality, for example breeding in CryptoKitties. However many times, due to the transaction costs or unsustainable mining practices, many of these collectibles are impractical to use or trade.

ProofOfBurn examples can be seen in many blockchains and blockchain based projects, which burn coins or tokens, increasing the scarcity and the value of the existing coins or tokens still held.

2. The Product

PyroPets are modifiable/upgradable collectibles built on the MetrixCoin blockchain. Generation 0 pyros can be generated by burning MRX and bought and sold using MRX. When all generation 0 pyros have been generated more than 1.63 billion MRX will have been burned.

They can be bred to make new pyro and can be customized by using MBRS, a burnable MRC20 token. PYRO token ownership allows holders to mint MBRS on a daily basis.

Generation 0 pyros have a maximum supply of 16,384 and can be generated once every 35 days per MRX address. Pyros can be interacted with, customized and auctioned once they are generated.

There are 32 sets of "eyes" and 32 sets of "snouts" which make up the appearance of pyros meaning that some pyros look like other pyros. When bred, pyros inherit their appearance from their parents.

Built in "zero-fee" auctions for both breeding and sale allow players to build an internal economy without needing to worry about paying additional fees or trusting third-party auction facilitators.

Open source code will allow PyroPets to educate and encourage the MetrixCoin and greater blockchain community to participate in decentralized finance, web3 and blockchain technologies.

While the PyroPets team plans to add extensions to enhance the ecosystem and functionality over time, the openness of the project allows for a multitude of applications to be built upon the core without needing any special permission to do so.

Potential extensions could extend PyroPets simply by interacting with or even destroying the PYRO or MBRS tokens. Anything from simple air-drop mechanisms to full blown spin-off games could be built and the only limitations are the imagination.

Conclusion: Feel the burn!

The PyroPets team believes that the MetrixCoin blockchain has the potential to revolutionize the blockchain and financial markets, but the general public has not been familiarized enough with blockchain and decentralized applications or what MetrixCoin can offer in terms of technology.

PyroPets is the first NFT on the MetrixCoin blockchain and the PyroPets team plans to continue to providing education and entertainment to the MetrixCoin community in order to push adoption of the practical and powerful applications that can be built upon the MetrixCoin framework.

Let's get the community fired up!

-The PyroPets Team