

NFT Vision Hack

NFT Vision Hack

[LiquidityNFT]

POWERED BY



SUPPORTED BY



GIBRALTAR FINANCE
HM Government of Gibraltar



Rarible



CIRCLE



Filecoin



IPFS

Introduction

Will Park

+8 years software engineer, who has previously participated in several blockchain projects, including Bancor, Strongblock, Hirevibes, Epitomecl. he have strong experience in developing Dapp on Ethereum, EOS and various blockchain platforms, and continue to learn the latest technologies. Also he enjoys participating in hackathons in the world. Last but not least, he is making trance music as a hobby, and dream of performing at the World DJ Festival.

Track of choice

Rarible, IPFS

Rarible: Lazy Minting NFTs on the rarible protocol, Fractionalize NFTs

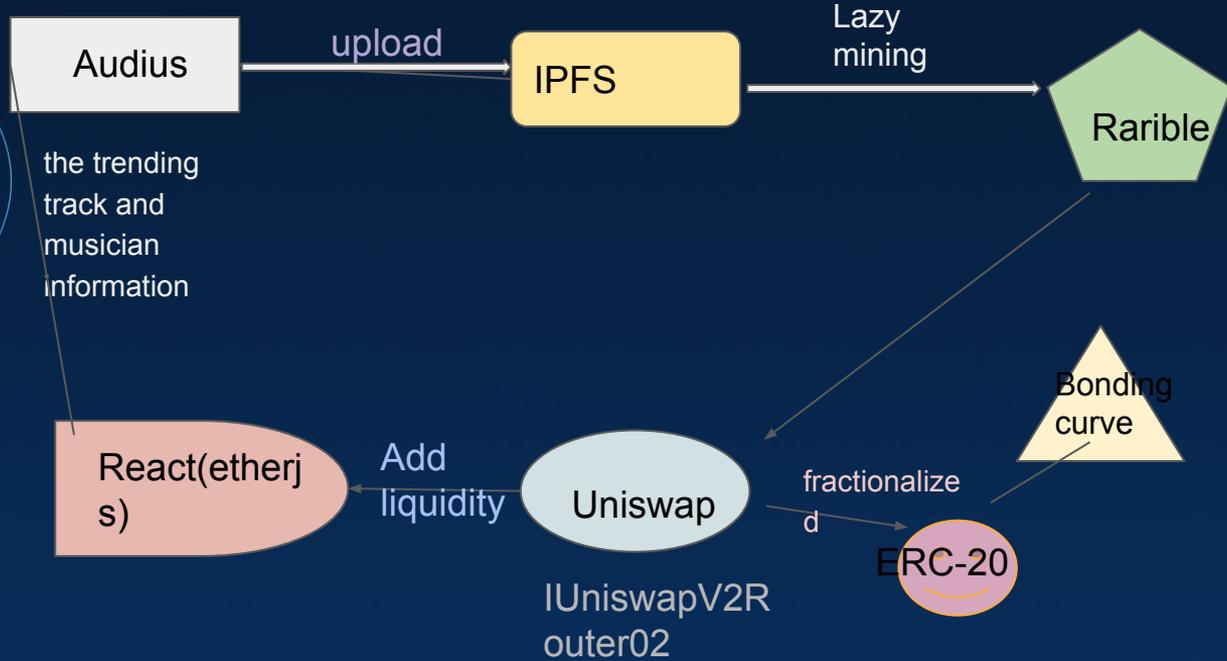
IPFS: Upload music info to IPFS

Project

- Implement a model that automatically determines the price by fractionalizing NFT and linking it to Uniswap's liquidity. As a model for this, it was applied to the music field, which could be the most advantageous.
- Musicians' music can be NFT and fractionalized, linking it to ERC-20. This provides Uniswap with liquidity, which can be immediately purchased and sold by fans. The higher the scarcity, the higher the price of the token, due to the higher the musician's value or the small amount of tokens issued.
- The price will also be more expensive as more purchases are made by combining its own bonding curve in addition to the price due to the liquidity of the basic uniswap.

Technology & Tech Stack

Ropsten TestNet



The music information was uploaded to IPFS. Rarible's Lazy mining allows NFT tokens to be mined and sold/sold. It is fractionalized to ERC-20, where liquidity supply and token exchange are achieved through Uniswap (IUniswapV2Router02) addLiquidity and swapETHForExactTokens. Prices become more expensive as you purchase a combination of initial liquidity prices and bonding curves. The contract was distributed on the Ropsten TestNet using Hardhat. The UI was implemented as React and linked to the contract with the ethers library.

Scalability

- if we register a famous musician on our platform and provide premium music only for users who purchased his Fractionized token, and link it with purchasing goods, we can go ahead to a higher user adoption.
- Furthermore, in addition to the free market determination price due to the liquidity of Uniswap, the value is further increased due to the scarcity of bonding curves, which can have a positive impact on the ecosystem of our platform.
- Ultimately, the royalties issue of copyright can be more transparent and revolutionized in the music industry.