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# WEREWOLF EXCHANGE

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Whitepaper



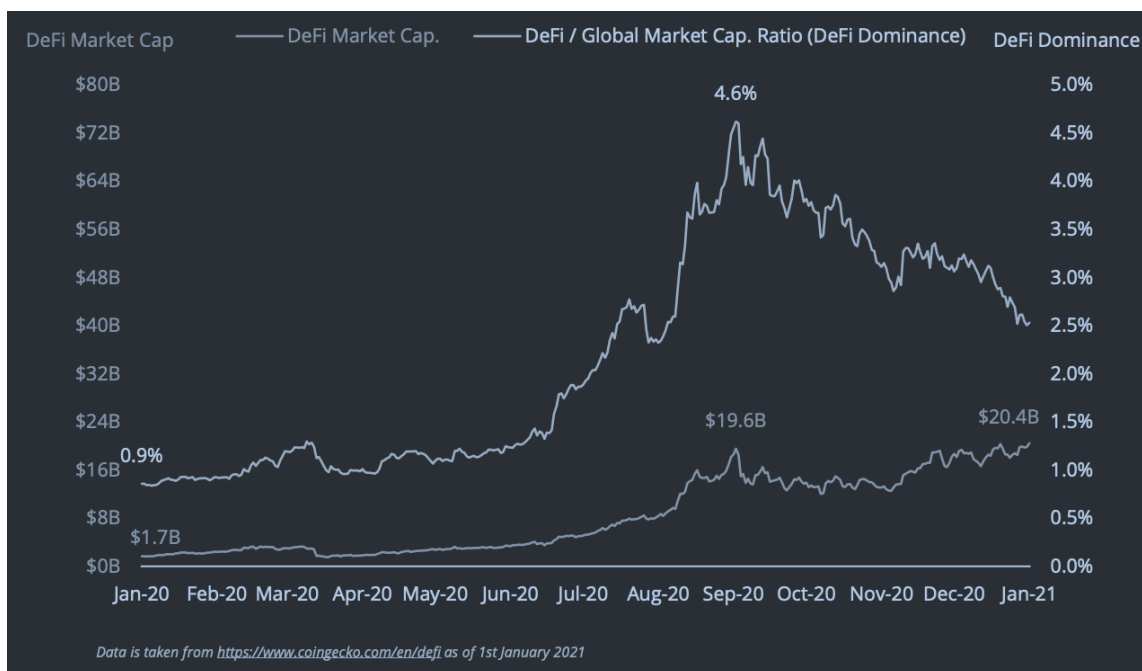


## Introduction

Decentralized Finance (or simply DeFi) refers to an ecosystem of financial applications that are built on top of blockchain networks. More specifically, the term Decentralized Finance may refer to a movement that aims to create an open-source, permissionless, and transparent financial service ecosystem that is available to everyone and operates without any central authority. The users would maintain full control over their assets and interact with this ecosystem through peer-to-peer (P2P), decentralized applications (DApps).

Decentralized Finance has seen strong growth in the year 2020, which hits the more than \$15 billion in total value locked in smart contracts, all-time high market cap of \$20.4 billion at the end of the year, and the pace of growth is so high that it has crossed \$26 Billion in total value locked within one month of the year 2021.

In 2020, the crypto space witnessed the meteoric rise of the DeFi sector, particularly during the 'DeFi summer' (June – August) as DeFi dominance rose rapidly from 0.9% to 4.6%. As for the market cap, it multiplied 12 times to \$19.6 billion during the peak of the summer. (Reference: Coingecko Defi Year Report)





## Werewolf Ecosystem

Werewolf Ecosystem is the Ethereum-based Decentralized Finance platform having an easy interface Decentralized Exchange, Yield Farming to earn interest on staking, Decentralized Asset Management.

This ecosystem will be using Werewolf Coin (WWC) as a Utility Token. WWC Token owners will be the initial recipients of the success of the Werewolf ecosystem and will profit from the growth of the ecosystem. This token is used as Governance Token in the Werewolf ecosystem.

Werewolf Ecosystem consists of Decentralized finance-based platforms like Decentralized Exchange, Decentralized asset marketplace (NFTs and Wolf Assets), finance gaming etc. These platforms make Werewolf's ecosystem stronger and efficient in the market.

## Wolf Token – Initial Bonding Curve Offering

The core concept of a bonding curve is quite simple: The price of a token is determined by its supply. The more tokens that have been distributed, the higher the price.

In the Werewolf IBCO when user will buy a WOLF token, each subsequent buyer will have to pay a slightly higher price for each WOLF token. As more individuals will get interested in the project and start investing in the WOLF token, the value of each token will increase progressively along the bonding curve.

Users can buy WOLF token using ETH from <https://app.werewolf.exchange/home>

The cost of each WOLF token is settled by the bonding curve which depends on the total supply of the token and reserve ratio, and whatever Ethereum is paid into the curve or contract to buy Wolf token, this is deposited or stored in the BCO.

Reserve Ratio = Reserve Token Balance / (Wolf Token Supply x Wolf Token Price)

Wolf Token is the Standard ERC-20 Token smart contract with Name, symbol, and initial supply function with collateral Ethereum to mint more Wolf Token in the market supply. Unlimited supply, predetermined price, Instant liquidity are the features of the IBCO.

### Wolf Token Details:

Name: Wolf token

Symbol: WOLF

Initial Supply: 721000

Initial Price: ~ \$0.0018

Decimals: 18

Contract Address: 0x7F13Dbb949C48f2A377FA4Db4f2d5221eCBF3dF9

Tokens can not only be bought but also be sold at any time. A bonding curve contract acts as the counterparty of the transaction and always holds enough ETH(Liquidity) in reserve to buy the tokens back. So, the user doesn't have to worry about your locked liquidity

[werewolf.exchange](https://app.werewolf.exchange)



$$\text{PurchaseReturn} = \text{ContinuousTokenSupply} * ((1 + \text{ReserveTokensReceived} / \text{ReserveTokenBalance}) ^ (\text{ReserveRatio}) - 1)$$

$$\text{SaleReturn} = \text{ReserveTokenBalance} * (1 - (1 - \text{ContinuousTokensReceived} / \text{ContinuousTokenSupply}) ^ (1 / (\text{ReserveRatio})))$$

### Custom Bonding Curves

```
interface IBondingCurve {
    function calculatePurchaseReturn(
        uint256 _supply,
        uint256 _reserveBalance,
        uint32 _reserveRatio,
        uint256 _depositAmount) public constant returns (uint256);

    function calculateSaleReturn(
        uint256 _supply,
        uint256 _reserveBalance,
        uint32 _reserveRatio,
        uint256 _sellAmount) public constant returns (uint256);
}
```

### Yield Farming – Staking Pool

There are 12 different staking pools based on 12 full moons in the year. Each pool carries reward based on time. Rewards are as follows –

Staking Moon Name	Moon Date	WWC Reward	WWC Reward per day
Wolf Moon	28th Jan, 2021	1386538.462	277307.6923
Snow Moon	27th Feb, 2021	2773076.923	79230.76923
Worm Moon	28th Mar, 2021	4159615.385	64993.99038
Pink Moon	26th Apr, 2021	5546153.846	59636.06286
Flower Moon	26th May, 2021	6932692.308	56363.35209
Strawberry Moon	24th Jun, 2021	8319230.769	54731.7838
Buck Moon	23rd Jul, 2021	9705769.231	53623.03442
Sturgeon Moon	22nd Aug, 2021	11092307.69	52570.17864
Corn Moon	20th Sep, 2021	12478846.15	51995.19231
Harvest Moon	20th Oct, 2021	13865384.62	51353.27635
Beaver Moon	19th Nov, 2021	15251923.08	50839.74359
Cold Moon	18th Dec, 2021	16638461.54	50572.83142

Moon date is end date of the pool. WWC reward increases with every next moon. Rewards of WWC will be updated real time on user's dashboard and he/she can claim the reward anytime. Along with WWC as a reward, users will also earn Beta or Omega Werewolf which are Decentralized Werewolf Assets (NFTs) which are explained later



## Werewolf Coin (WWC)

WWC is a governance token and internal currency for overall werewolf ecosystem.

1. Werewolf exchange
2. Decentralized Asset Management and Marketplace
3. Blockchain Gaming Platform (Werewolf Assets Gaming and Trading)
4. IBCO Launchpad (Automated IBCO Launching Marketplace)

Above listed are planned services of werewolf ecosystem. There are many more in research phase. This shows the utility of WWC. As the demand for various services will rise, value of governance token will also rise. Each of the services is explained later in the whitepaper.

## Werewolf Exchange (Automated Market Maker)

Werewolf Exchange is the Decentralized exchange with an automated market maker using single collateral crypto assets. In a Centralized crypto exchange, most of the control over your account remains in the hands of the third party which runs the exchange. On the other hand, with a decentralized exchange, all the control of the account remains with you. The main benefits are increased privacy, security, and control over the funds. Decentralized exchanges offer more protection than centralized exchanges. A considerable risk of trading with centralized crypto exchanges is of hackers. They can hack the third party which uses private keys to access all the funds of the users, and you could lose all of your deposit.

Having the funds fully controlled by the individual users does not only vastly increase security from hackers, it also gives complete freedom and power over these funds to the traders. Anyone can enlist their tokens on a Werewolf Exchange, building ease of market entry for new tokens in the market, and providing users to trade and invest in the initial staging of the token with potentially high returns.

## Decentralized Werewolf Assets (NFT's)

A non-fungible token (NFT) is a type of cryptographic token that represents a unique asset. NFTs are tokenized versions of digital or real-world assets. NFTs are not interchangeable with each other and introduce scarcity to the digital world. Various frameworks have been created to facilitate the issuance of NFTs. The most prominent of these is ERC-721 on which Werewolf Assets are created, which is a standard for the issuance and trading of non-fungible assets on the Ethereum blockchain.

The Decentralized Werewolf Assets platform is a fundamental component of the Werewolf ecosystem. Werewolf Assets are identical to the Werewolf mythological theories or stories. These assets mainly consist of Alpha, beta, and Omega wolves. Alphas are the only werewolves who can turn a human into a werewolf via a bite or a deep scratch, and they also have the ability to use their Alpha roar to force Betas and Omegas into submission or motivate them. Users can mint these werewolf assets using a werewolf coin (WWC) and get in their Ethereum wallet. The



standardization of NFTs allows a higher degree of interoperability, meaning that unique assets can be transferred between applications with relative ease.

In Werewolf Marketplace, users can also deposit Ethereum or WWC and get returns in the form of non-fungible tokens or NFTs. These are tokens that represent a unique value. These assets are highly valuable. NFTs could be used to represent these items and make them easy to store on a wallet, less expensive to sell and trade on an open market.

## Decentralized Asset Management and Marketplace

Werewolf Assets Marketplace is a decentralized platform, which is built on the Ethereum blockchain, which allows anyone to operate a thoroughly functional marketplace. This platform delivers the most secure and convenient way to create, buy, sell, and trade decentralized assets (NFTs) - to anyone, anywhere in the world.

A decentralized marketplace matches buyers and sellers of Werewolf Assets. Most of the important functions like executing trades and releasing funds are controlled by a smart contract. The rules of the marketplace are also entirely transparent and cannot be altered without the user allowing them. The growth of assets that use Werewolf Coin for financial transactions has led to proposals about ways to submit potential regulation. Were this to occur, fans of virtual markets may see this as diminishing their perceived current benefits of anonymity and direct control of their transactions.

## Werewolf Assets Gaming and Trading

Blockchain facilitates the tokenization of these assets and the conception of a decentralized gaming asset marketplace. Since the record is open for everyone to check and verify, this increases the trust factor. Also, Users can encourage the decentralized marketplace to buy/sell Werewolf assets at a trading price based on an open order book. The majority of werewolves belong to a pack, due to being social creatures who also benefit from the additional power they gain from the support of their packmates.

This is a game about being a werewolf, in a Pack. The Pack is a deeply intimate and close family of a werewolf; sometimes it is full of enjoyment and cheer and sometimes it is brutal and dysfunctional. The fearless Alpha pack can become on the Blockchain as your asset and you can build your own pack using your own beta.

**Werewolf packs** are werewolves that assemble in groups. In subjects of social behavior, the powerful ranking individual is sometimes designated as the "**alpha**". Males, females, or both, can be alphas, depending on the species. Pack Members of the corresponding social group may manifest subordinate functions towards the alpha. In a hierarchical community, assigned ranks are used in ethology studies, sometimes described as "**betas**" and "**omegas**"



## Automate IBCO Launching Marketplace

A bonding curve contract holds a balance of a Reserve Token (e.g., a balance of ETH). To buy IBCO Tokens, the buyer sends some amount of ETH to a bonding curve contract's Buy function which calculates the price of the token in an ETH and issues you the correct amount of Continuous Tokens. The Sell function works in reverse: The contract will calculate the Continuous Token's current selling price and will send you the correct amount of ETH.

The Werewolf IBCO Launchpad platform helps new projects to host their IBCO with the automated way over the crypto ecosystem.

Launching a token in this way requires a team creating a bonding curve smart contract, which applies a custom-tailored formula to a smart contract with mint and burns functions. But here Werewolf launchpad will help and do these steps automated and deployed on the mainnet. Once this contract is launched, users can buy or sell into the curve. Buying pushes the token price up along the curve, while selling pushes the token price down along the curve.

## Werewolf Wallet

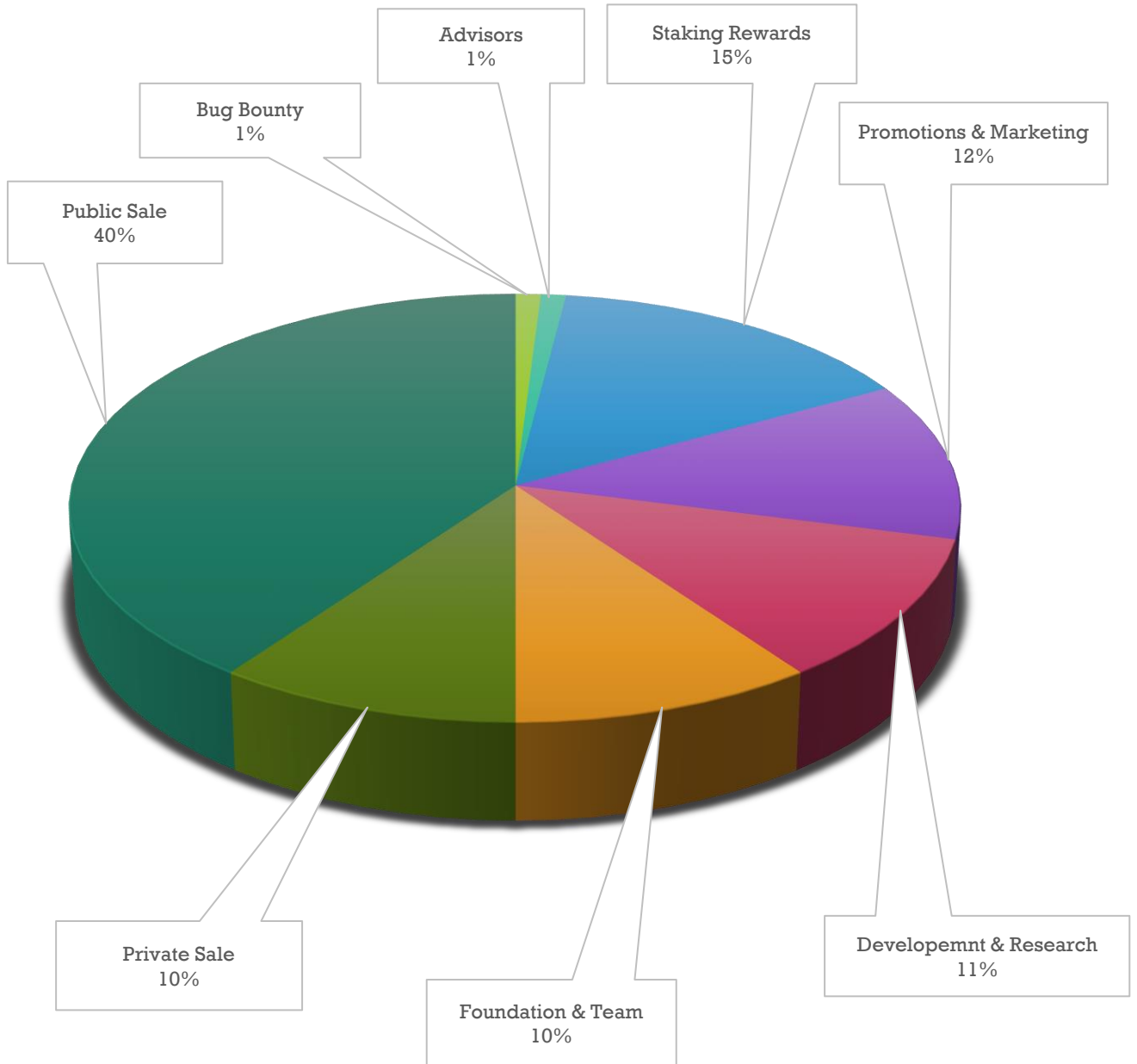
In a few clicks SECURELY store, buy and transfer crypto currency such as BTC, ETH and LTC instantly from any place at any given time.

Benefits of Werewolf Wallet:

- Stay on track of price change for any cryptocurrency with REAL TIME graphs
- Generate a new child wallet in seconds
- HD Wallet, backup restore your Wallet. Easily recover access with your 12-word recovery phrase
- See current balances for each wallet and the current price of assets in your preferred currency
- Transact Werewolf to Werewolf using your ID and avoid sharing your key
- Complete transaction history
- Easily add any coin or popular token to your wallet



### Tokenomics







**Roadmap:**

