



DOG WARS

Official Whitepaper

A technical whitepaper about the future of blockchain/gaming

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“Be the change or change with it.”

Satoshi Nakamoto, the founder of Bitcoin, released the genesis block of the blockchain on the 3th of January in 2009. Many people have always believed that Bitcoin was the first crypto currency to ever have come to existence. Is Bitcoin really the first crypto currency on the blockchain? First we would have to look back at one of the first concepts and idea's of digital cash, called Blind Signature Technology (BST). A company founded in the year 1989 by David Chaum. DigiCash was the first company to introduce cryptocurrency to the world of finance. David constructed a system made of cryptographic protocols to make his form of payment accessible, secure and untraceable. Looking back at it now, David's idea might be seen as a project that was way ahead of it's time, as the company filed for bankruptcy in the year 1998. The main reason as to why DigiCash really failed is, because they weren't completely decentralized, as the current blockchain model is. They had to rely on banks to have their currency converted into real money. Throughout the history of payment methods, humans have always had to rely on some sort of payment system in order to exchange value between other people. Our oldest ancestors for example, exchanged products for other products. This form of payment is called Barter. So what was the first actual currency? The Mesopotamian shekel. The word shekel translates to the English word weighing. This form of payment was introduced around 600 B.C by the Lydian kingdom (now called Turkey) The Lydian people are responsible for inventing and introducing the first real currency to the world. Ever since then, many kingdoms have adopted coin usage for their economies. The first paper money was introduced by the Tang Dynasty in 700 AD. They called their form of payment “flying money”. The way we exchange value has revolutionized throughout the years. The early roman soldiers were sometimes paid for their services in salt.

Their monthly allowance was called salarium, which to this day translates to the word salary in English. Although many of these forms of payment seem outdated, many people still participate to the traditional way of exchanging value. In September 1998, Russian teachers in Siberia were paid for their work in bottles of vodka. This form of payment is called liquid currency. At the time, it was worth more than any other legal currency, as the USSR (Soviet Union) collapsed, which resulted in a hyperinflation. In this paper, we propose a solution to the “modern” forms of payment, which have proven to be non-innovative, non-transparent and not secure at all.



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Introduction

We build Dogwars to bring people together and to have them interact with each other in a safe and accessible environment. This paper outlines Dogwars approach to build a safe and innovative community, by implementing multiple strong utilities for everyone to enjoy and to benefit from. Our community's safety and security is of critical importance to us, which is why we've chosen to launch the project on the Blockchain network. The Dogwars Game will be made of industry-leading elements to ensure the safety, stability and sustainability for all users.

Dogwars is innovative, transparent and secure. We plan on bringing industry-leading physical and digital experiences to our community.

History

Throughout history, many societies have been using encrypted messages, with as primary goal, to communicate safely without being intercepted by others. This form of communication was mainly used for warfare, as it was very effective and reliable for both the sender and the receiver. Around 600 BC, Spartans used a device called "scytale" to safely communicate with other Spartans. This method was primarily used for war. Julius Caesar invented a method of encrypting in 60 BC, which was used by the Romans to protect confidential messages. It is no surprise that encrypted messages have been used for centuries. Up until around 1970, cryptography was practiced in secret by federal organizations, by the military for example. Until 1992, cryptography was on the U.S. Munitions List as an "Auxiliary Military Equipment." These encryption methods all have one thing in common: to communicate safely without being interrupted by others. They are all very similar to the current Crypto infrastructure. Chaumian Blinding for example, which was named after David Lee Chaum, who invented a method for making a certain transaction happen without revealing which parties were involved and the time in which the transaction took place.

This method was invented to create an anonymous payment system. Chaum was the first person to come up with an anonymous method for payments. In 1998, B-Money, which was revealed by computer engineer Wei Dai, developed to serve as an anonymous and distributed electronic money system. His idea of digital money is very similar to the current Blockchain network, as it requires the use of computational puzzles to create money in a decentralized manner. Many people believe that he wasn't able to figure out how to actually decentralize his form of payment, which is why he never released B-Money, but the core concepts of B-Money were implemented in the creation of Bitcoin and other Cryptocurrencies.



Neolithic Age

Archeologists discovered artifacts considered to be gaming boards from the neolithic age (the final stage of the stone age.) It is believed that our ancestors played games for social bonding's, entertainment and education, which relates to the modern purposes for gaming in today's world. Although many critics are convinced that action games lead to aggression and violence, the Guardian published an article in 2020 stating the opposite. "Research from the University of New South Wales in 2018, for instance, found that people who frequently played violent video games were less distracted by violent images in other contexts, a phenomenon the study author called: emotion-induced blindness."

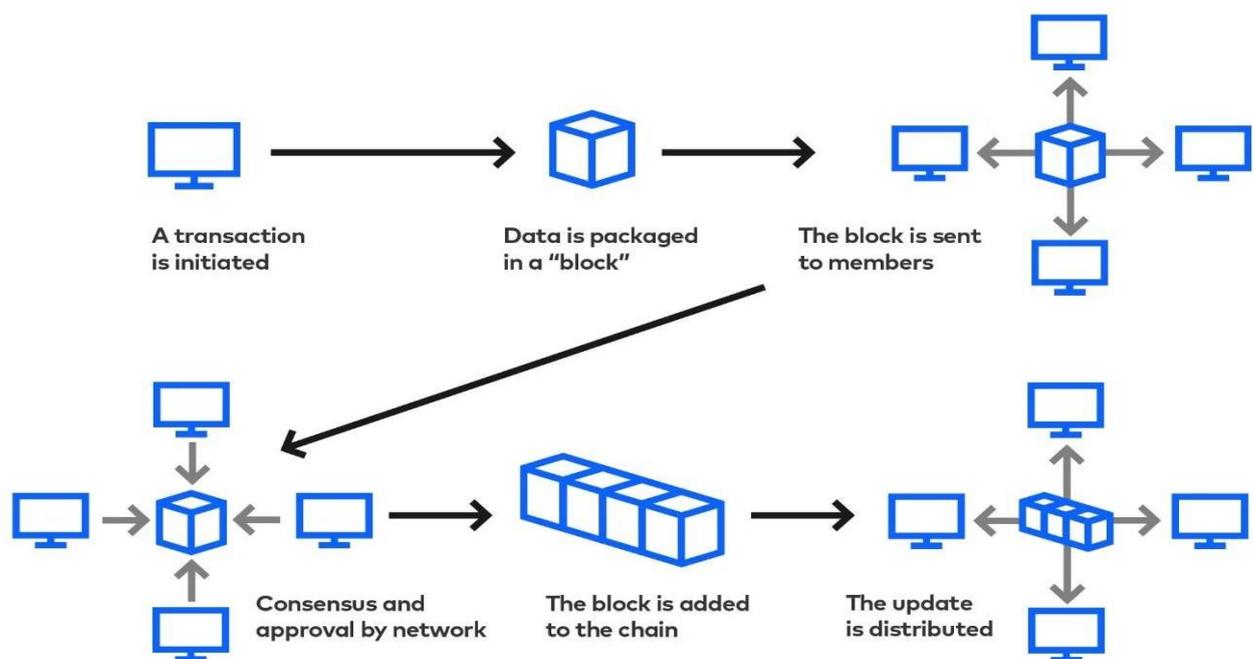


A Closer Look At Blockchain

A blockchain is a chain of blocks that contain and distribute information. The technology behind blockchain is nothing more than a distributed ledger. Blocks are places in which crypto is permanently stored and encrypted, in order to maintain safety and sustainability for all users.

There's 3 different types of blocks in the blockchain.

- 1. Genesis block**
The first block of a blockchain. Think of Bitcoin.
- 2. Valid blocks**
blocks that have been given permission to operate on the blockchain network. Permission is given by solving a cryptographic puzzle. Every node in the network now has a added block to help secure the network.
- 3. Orphan blocks**
Also known as unverified blocks. Orphan blocks are blocks that have been unaccepted by the network. When a block has been mined at the same time as another block, but is not accepted by the network it becomes an Orphan block.



A block contains data of the "hash" of the current block and of the previous block. A hash functions as a mathematical function to translate input value into a compressed numerical value. The result of that exchange is called a hash. The hashes generated by a formula are always translated into the same length, but it works in one direction only, as you can't turn a hash back into it's original data. You would need to encrypt the data to translate it back. The process of transforming any key or any string of information into another value is called hashing.

A hash rate is a measurement of how many times the Blockchain network attempts to complete those calculations each and every second, by measuring the total computational power being used by a proof-of-work blockchain to process transactions. In other words, it measures the speed of mining. A higher hash rate influences the probability of mining a block by a higher margin. The rates in which



A Closer Look At Blockchain

you could mine a block were significantly lower in the earlier days of Bitcoin, as it only took 1 TH/s (TeraHash) in 2011, but it rapidly increased over time to an initial 230,24 EH/s (ExaHash) in the year 2022. ExaHash is translated into an amount of 1 quadrillion hashes per second.

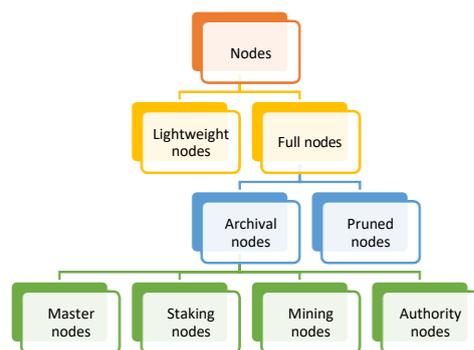


A Closer Look At Blockchain



Blockchain's Proof Of Concept (POC)

The concept of the blockchain network is to be fully automated without needing approval from a third party or person to validate or approve a transaction. This concept is called peer to peer (P2P). Nodes are network stakeholders including their devices, which have been authorized by the network to keep track of the distributed ledger and to serve as communication hubs. The function of a node is to confirm the legality of a block. This concept is called Simplified payment verification or also referred to as Simple Payment Verification (SPV). A node can also be translated to a connection in a telecommunication network capable of creating, sending or receiving data across a communication channel. However, this is not the case for digital money. In this case, the node is linked to a crypto currency network enabling it to perform tasks such as producing, moving and receiving data. There are different types of nodes in Blockchain, which can be divided between light and full nodes. Although the master node has a different functionality, which is why it's not divided between a light or a full node. However, the one thing that all nodes do have in common is that they all run the protocol, in which they determine the blockchain's functionalities, rules and features. In this page we will cover the most common nodes.



Master nodes: Unlike other nodes, master nodes only verify new blocks to the blockchain. Operating a master node requires you to hold a significant amount of collateral (often in the blockchain's native cryptocurrency).

Archival nodes: Archival nodes provide an interface for the long term storage of data. Access to the archival nodes are acquired by the usage of these nodes. Archival nodes function as a place of storage for data. They can also be divided between two subtypes, nodes that are able to add blocks to the blockchain and nodes that can not.

Pruned nodes: A pruned full node operates on the blockchain by analyzing and removing old data, which will be replaced by the most recent transactions to save disk space.

Mining nodes: Mining nodes verify transactions, which is required in order to create new blocks of data. They either acquire the information from a node or function as an archival full node.

Miners are eligible for receiving rewards, because of the benefits that they bring to the blockchain network.



Blockchain's Proof Of Concept (POC)

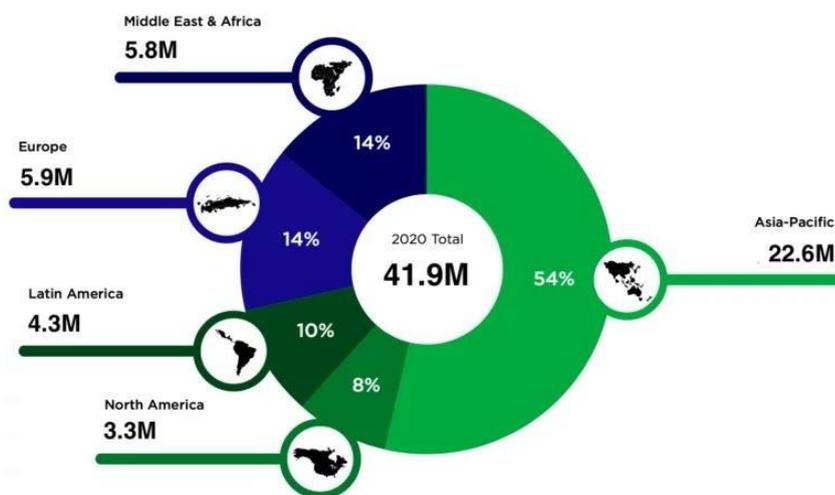
Staking nodes: Staking nodes serve as a security layer on the blockchain, as they are required to verify transactions. Staking nodes are chosen based on rules that have been set, such as the amount of coins staked by a node or the amount of time it has operated on the network. Once a node gets chosen, it's allowed to validate a transaction and receive a reward for doing so.

Authority nodes: Authority nodes are able to create and validate blocks. The biggest difference between a full node and an authority node is that authority nodes are chosen by the network holders or community. All participants that have not been chosen to operate as an authority node will be running light nodes.



Why Blockchain?

The current financial systems, which have been implemented into our daily lives seem to be broken, as they're being controlled by big banks, organizations and governmental institutions. Those groups of individuals can easily print (produce) money without any concern of the public. Blockchain is designed to function as an open peer-to-peer network, meaning that anyone should have insight on what comes in and goes out. From a technical point of view, blockchain is a more transparent, accessible and secure medium in comparison with today's infrastructures of money. The process of exchanging value should be a more efficient, transparent and a more innovative experience for users all over the world. Blockchain is build for everyone in the world to benefit from and to participate to, as adoption will encourage more governments and organizations to help innovate and regulate blockchain technology.



Crypto users all over the world (2021)

Virtual currencies have been defined as a type of unregulated, digital money in 2012 by the European Central Bank (ECP). In the year 2013 the US Department of Treasury (USDT) released a statement that they defined virtual currencies as “a medium of exchange that operates like a currency in some environments, but does not have all the attributes of real currency.” The digital currencies were defined as a form of unregulated, digital money, used and accepted by a specific community rather than an official form of payment that could be accessible by anyone. El Salvador declared Bitcoin as a legal tender in June 2021. From that day on, Bitcoin has been officially announced as a legal form of payment. This was a huge step forward for Blockchain enthusiasts and users all over the world, as a lot of people are still skeptical regarding the use and regulations of crypto currency. The market capitalization is depending on multiple factors, but the strongest factor being is “hype”. The crypto market depends on the trust and adoption of it's users. Regulations have a great impact on the market, but they are crucial to the implementation of crypto, which is why it could be ideal for the future to widely use and regulate blockchain technology.



Our Six Core Values > Fundamental Principals That Drive Us

Our Motto

Be the change or change with it.

Our motto stands for the future that we're planning on bringing to this world. To bring a future to the future, that's what it literally translates to. Our objective is bringing innovative utilities in the most educating, legal, transparent and diverse manner. Dogwars will be game changing and accessible by everyone and everywhere! The movement that we will be focusing on will be sustainable, evolving and long lasting for current and future generations.

Our Mission

Dogwars aims to be the most used and acknowledged project in the entire crypto and gaming spaces. Our mission is to build an infrastructure to bring people together and to have them interact with each other while benefiting from the environment that we're creating.

Our Vision

To spread knowledge, positivity, wealth and entertainment in the most beneficial and educating manner as possible. We strive to accurately deliver to our users wishes and desires, as Dogwars is a community made and owned project!

1. Community

We value our community. Dogwars empowers the People! We believe that our beloved and respected community represents the project, as well as the utilities, which will be presented in the current phase of the project and in the near future. We will strive to maintain and inspire others to participate to the "movement" that will be focusing on all core values and other fundamental principals that drive us.

2. Communication

We offer one on one services through our social media community channels (Telegram, Discord and Reddit for example), by using community chats we intent to implement a direct way to interact with our users, as all voices must be heard!

3. Innovation

By acquiring community idea's and opinions we intent to keep on evolving as a project and as a community. Our innovative and open minded visions are what drives us as a movement. We will keep on learning and innovating, as that's what we're manifesting to do on a daily basis. Learning should be a fun experience for everyone.

4. Transparency

Dogwars operates on the blockchain network protected by cryptographically codes. The network itself is fully transparent, which is what we stand for as a community as well. One of our main objectives is to stay committed to the transparent and healthy growing community that we are and will be focusing on.

5. Accessibility & Diversity

Welcome to Dogwars, a community made and owned project for people of all ages, colors, sexes and cultures to participate to and to benefit from. One of our core objectives is to make the project accessible to everyone in the world.

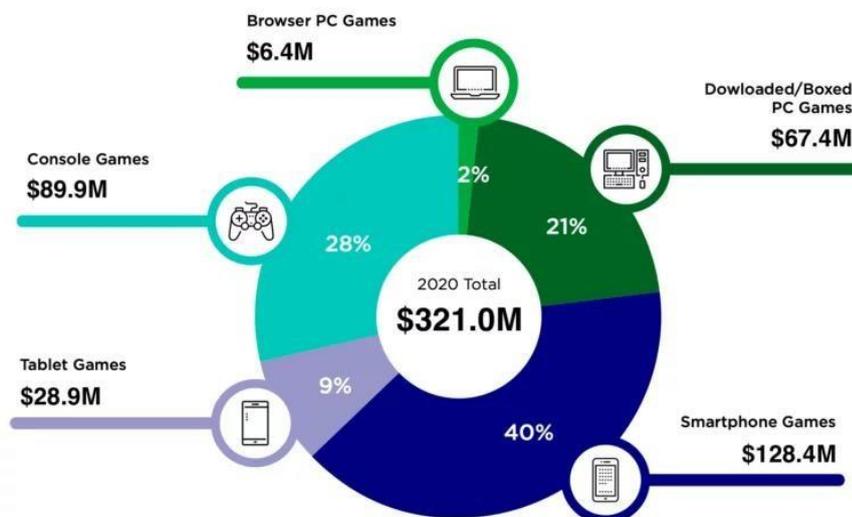
6. Charitable

Donations will be given to community chosen charities, with as goal to help sustain a healthy and a long lasting environment for everyone to participate to and to benefit from.



Digital Gaming

The first digital game ever is called Tic-tac-toe, which was developed by Josef Kates in the year 1950. It is not considered as a real video game, but it is one of the first of many games to be displayed on a digital screen. Video games are also referred to as electronic games. It shouldn't be a surprise that games have always played a huge factor in the world of entertainment and beyond. In fact, ancient societies have always considered games to be of essential human social interaction models, primarily used for social bonding and acquiring knowledge. Although many people still make use of traditional board games, the evolution of gaming has gained a huge interest by gamers, scientists, organizations, institutions, companies and governments all over the world.



Gaming revenue all over the world in the year 2021

With a significant difference between mobile and all other devices, we believe that mobile devices are the absolute future of gaming. Users have pointed out that they would rather use a device that they can easily carry and use everywhere and anywhere rather than a device that is much harder to use and bring along with, as gaming should be an easily accessible and fun experience for anyone. Dogwars aims to keep innovating and learning from it's community. Not by tracking user information like most companies do, but to actually interact with community members to gain a more personalized and modest perspective.

Positive Affects From Gaming

A study in 2003 by researchers at the University of Rochester proved how action video gamers are able to track roughly 30% more objects and process more visual information than non- gamers. The research was meant to prove how action games could train the brain to better process certain visual information. During the test, action gamers stood out for their ability to track and process visual information. To prove that their research was non-biased a group of 17 students (non-gamers) were each divided between two groups. Nine students played Medal of Honor (an action game) and eight students played Tetris (a digital puzzle game) one hour a week for

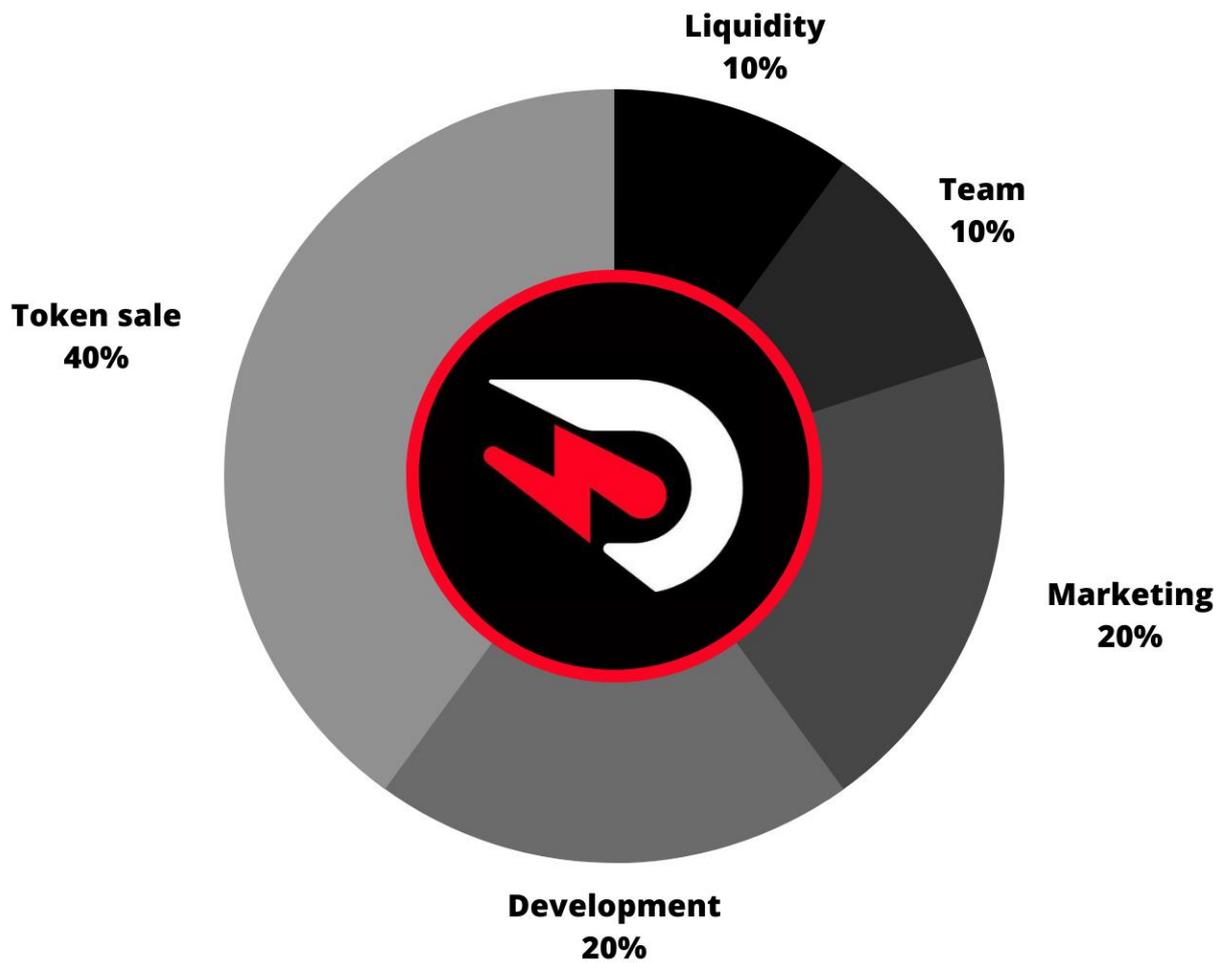


Digital Gaming

two weeks long. The action players proved a substantial growth in their ability to visualize information. "It's likely the sense of danger heightens awareness and trains the visual response of the brain, but other aspects might also contribute," quoted by Shawn Green, one of the students and core contributors of the research.



Token Allocation



For more specific information about our tokenomics take a look at the allocation on the website: www.dogwars.io



Token Allocation



Crypto And Gaming Combined

Traditional games are centralized, meaning that all in-game data including items earned are practically non-transferable, as they can not be used for anything other than for the game itself. By introducing Blockchain technology, players are now able to transfer their earned assets (resources with economic value) in any way, form or shape that they wish for. The reason as to why the combination of crypto and gaming is so powerful is, because of the exchange that we like to call: Time in exchange for money (time for money). A lot of traditional virtual games have been criticized, because of the Pay To Play (P2P) environments that they encourage and earn from. Dogwars is a virtual Sci-fi Universe with a variety of planets to explore and play in. Our vision is to bring fun in the most efficient, educated and rewarding manner as possible. Not only by making the game accessible for everyone, but to reward users for their participation! Dogwars will combine crypto, gaming and NFT's (Non-Fungible Tokens) to turn the game into the most beneficial and entertaining game as possible, so that everyone can benefit from the technologies and innovation that these infrastructures have got to offer.

Dogwars represents our very unique core values, by combining each element into the project. Dogwars is a fun game to play with various difficulties in challenges and environments. Our PvE (Player Versus Environment) will be a unique one, as the maps will display different types of planets, with different types of environmental assets, which will make the game more detailed and entertaining. Skill is something that is required when playing Dogwars, but don't worry. You will get the hang of it eventually, as Dogwars will display a short introduction to learn new users how to control their Warrior in the most efficient way as possible. The levels will be divided into multiple difficulty groups, so that new players won't have to face the most advanced players before they've had the chance to learn more about the game. We believe that by implementing a revenue model for our users, which is designed to be innovative, fun, efficient and game changing, Dogwars will be the solution of today's and tomorrow's problems regarding the use of gaming and crypto combined. The game will include an earning system designed in a way to reward players for their commitment and progress made. Dogwars aspires to generate financial freedom for non-gamers and gamers all over the world, by making the game accessible for everyone with an internet connection. We will run stable servers in strategic locations all over the world to give everyone a fun and long lasting Dogwars experience!



Game Environments (Nephenus Map Explained)

Our maps have their very own unique environmental elements as every map represents and displays a different planet. This makes our game very unique in comparison to other games. The universe is endless to explore, and so is the Dogwars Sci-Fi shooting game.

Here's the planet Nephenus for example:



Nephenus, The Ice Planet

Nephenus, also known as the ice planet is known for its dangerously cold environment. Ice is regarded as one of the most unexplained climates of the universe. This mysterious planet will be your place to go to for wanting to explore the planet or just to enjoy some old fashioned ice cold combat action! Nephenus is a planet with a lot of unsolved mysteries.

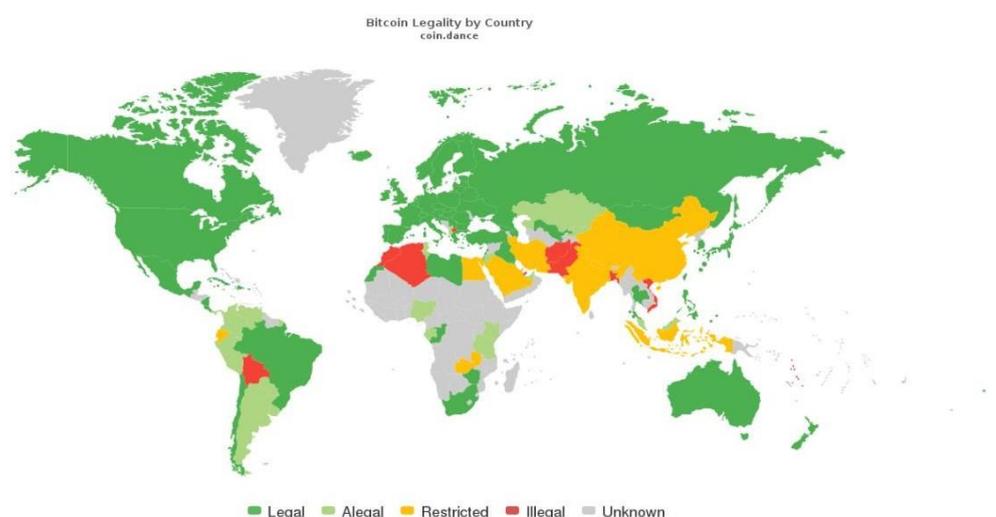
Do you have what it takes to solve them?



Dogwars Idealism

Although there's different opinions on crypto and it's fast growing technology, there's still a lot of ongoing debates on the usage and regulations of crypto assets. Every country has different rules and regulations regarding the use of Blockchain technology.

You can find a map with accurate data regarding Bitcoin regulations from June 2022 below this sentence:



Dogwars (DOWA) is empowered by blockchain technology and at the same time empowered by the People. We aspire to have all voices heard. Our community members have a vote in various plans that we will be releasing currently and in the near future on our social media channels. Our objective is to create and maintain a sustainable and healthy growing community for everyone to participate in and to benefit from. Blockchain technology plays a crucial part of implementing this form of innovation, as we intend to communicate and operate in the most innovative, transparent and secure manner as possible. Dogwars is planning on holding multiple marketing campaigns, with as primary goal, to bring the Dogwars community "one step closer at a time, to exposure and mass adoption." As we will strive to become a community that will be well known for its innovation, effort and transparency. We believe that this all comes from a long and sustainable position, in which we will have to keep revolutionizing the concept of our project. Our goal is to become mainstream and accepted by people of all ages, cultures and other forms of idealisms. As the main goal is to empower the People. Donations will be given to Community chosen organizations, with as goal to help and sustain a healthy, long lasting environment and climate for everyone to benefit from. This includes future generations as well.



Conclus

“Be the change or change with it”

People don't want to carry big devices or products, which is why technology has been gaining a lot of ground on a global scale. The market capitalization of technology has grown a lot over the years. Many early adopters believe that this has something to do with the automation and evolvement of the world. Many uncertain and other sorts of negative circumstances have proven how digital platforms can affect the accessibility of trading goods and services, as well as communication and entertainment in comparison with traditional businesses and other forms of traditional initiatives. The digital world can be an extremely complicated one for a traditional human being, as the world is rapidly changing around them, while they aren't able to adjust to those changes. Blockchain was developed to evolve and revolutionize the current financial systems that we make use of today. Dogwars (DOWA) intends to build an infrastructure in which users are given the opportunity to participate to the exiting world of blockchain, by simply offering NFT's (Non-Fungible Tokens) as a rewarding system for the exciting Sci-Fi shooting game Dogwars. Dogwars is dedicated to bring fun in the most innovative, safest, simplified and beneficial way as possible. Technology is the key to the future. “Be the change or change with it”. Our motto is as innovative as our idealism is of what the future has to offer to us, as inhabitants of the universe. Dogwars will offer NFT's, which from our perspective represents the most innovative structure to store online assets. Blockchain will not only take part in the future of finance. It will revolutionize the market that we know of and make use of today and in the future. We will strive to revolutionize the financial systems that have been implemented into our daily lives. Blockchain technology, from our perspective, should be supported by everyone, so that we can all work on maintaining and prospering on the positive impact and usage that this concept of technology has to offer to the world of finance, gaming and beyond.

We should all support Dogwars, because our main objective is to empower the People!

Why should I invest in Dogwars?

Dogwars is bringing multiple important factors together as a project. Some of those key factors being: knowledge, entertainment, innovation, finance and kindness. We believe that everyone should benefit from Dogwars, as our main objective is to empower the People! Dogwars will unite, educate and entertain generations, as our project will build a healthy and sustainable environment for everyone in the world to benefit from. Take part in the future of finance and gaming and become a Dogwarrior today!



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