



BINGO BSC

WHITEPAPER

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Introduction

The possibilities of blockchain technology transcend the financial sector and the activities therein. While the technology was initially developed to aid the usage of cryptocurrencies and solve the problems of the systems aiding traditional financial currencies, the technology is now used to solve the problems of other industries. Amongst others, the gaming industry has experienced an improved turnout due to the influence of blockchain technology in the nitty-gritty of the industry. Since the acceptance of the industry in the society, different sectors, including; video game, PC game, mobile game, video gaming monetisation, online gaming and Esport gaming, have been developed to not only function as a source of entertainment to the larger community but also a legitimate means of building wealth. Prior to the industry's acceptance of blockchain, gamers have had to stay within the limits of centralised service providers and limited gaming options. Players only get to interact with their characters and items inside the in-game environment with no connection to the real world. Much more, a lot of the gaming platforms have been susceptible to hacks, thus giving some gamers more unfair advantages over others. Blockchain has not only introduced decentralisation and security but also an increased fair share of wealth. As of 2020, the Video Gaming Industry was worth \$159.3 billion, a sizeable increase of 9.3% from 2019. New forecasts estimate the industry to be worth \$268 billion by 2025. In relation to the entertainment derived from the industry, reports reveal that the industry is 20times more enjoyable and convenient than traditional alternatives. Unarguably, the growth of the industry and the interest garnered can be seamlessly linked to blockchain technology. With the technology, gamers gain access to decentralised asset exchanges, verifiable scarcity of virtual objects and collectibles, fast and secure payment networks, and developers and creators' ability to monetise their creations.

With the influence of blockchain, the industry has grown into the incorporating of non-fungible tokens (NFTs). While the NFT sector transcends various forms of digital assets, much of the sector is being focused on the gaming industry. Besides from their value being centred on rarity, NFTs has proven to have immense potentials for providing gamers with unique opportunities for collecting in-game items. This potential of NFTs has been highlighted in the Esports market, which was valued at over \$495 million in 2020 and is expected to reach over \$646 million in 2021. While NFTs have birthed a number of decentralised gaming networks, these platforms are restrictive in providing added advantages to gamers and enthusiasts in the gaming industry. Much more, they are not built on platforms that could provide enhanced sustainability to users. Hence, Bingo BSC was developed as the next generation decentralised gaming platform built on the Binance Smart Chain to provide gamers with a more accessible and fair means of games monetisation. While the traditional gaming system could facilitate restriction, unfairness, centralisation, limited gaming options and restrictions to the wealth in the industry, Bingo BSC leverages blockchain technology to provide a play-to-earn platform to allow gamers to play games through various means. The technology enables players to build wealth through NFTs and high yielding features of the decentralised finance space.

The Existing Problem

Every game developed in the gaming industry requires players. The interaction of players on a gaming platform determines the wealth accrued by the developer and the players. However, the dynamics of the industry makes it unpredictable for creators and players. Over the years, gamers have had to play despite the restrictions, centralised activities and unfair share of wealth.

- **Restrictions:** Existing gaming platforms require players to pay to play popular games. While some platforms allow players to accumulate digital gold as earnings for their wins, the process is inconvenient and time-wasting for winners. Hence, these players spend their fiat currency to buy in-game assets. To promote longtime playtime, developers also implement rewards for players who put in hours to achieve a milestone. However, despite the time and money invested into the game, players do not own the digital assets they have acquired. Much more, these developers hold power to change or remove items as they deem fit since players are only licensees of products developed.
- **Security:** Developers and entrepreneurs require a safe environment to develop, launch, secure and monetise games. However, as the internet is easily susceptible to hacks, many developers tend to lose a grip on the network. Over time, online game spaces have also proven to be unsafe for players to buy and sell in-game assets

- **Gaming Interoperability:** Many active players play different games across different platforms. On each platform, they create a profile without being able to play across the platform at the same time. The network's ecosystem is individually closed, and the items earned in-game cannot be used on another platform.
- **Centralisation:** Blockchain was developed to override the inadequacies of the centralised system. Not only does centralisation restrict activities, but it is also easily susceptible to hacks seeing that the hackers only need to get through a single centralised network. When players are not playing an online game, they would need to store their virtual game assets securely. Since there is no other alternative, these assets are stored in the centralised server of the gaming company, thus causing the assets to be susceptible to fraud and hacks.
- **Control and Ownership:** in traditional gaming platforms, players have little to no control. After hours of time and resources, developers could shut down a game or suddenly change the rules guiding the administration of activities.
- **Slow Transaction Process:** When new in-game assets are developed, players are keen on purchasing them. However, these players are required to wait for third party payment providers to process their transactions. In most cases, these transactions take a while.
- **Fraudulent Transactions:** In the traditional gaming system, players often face fraudulent transactions. In most cases, they are usually unable to recover lost resources.

Market Statistics

According to a report released by Reportlinker.com, The global gaming market was valued at \$162.32 billion in 2020 and is expected to reach a value of \$295.63 billion by 2026, registering a CAGR of 10.5% over the forecast period of 2021 – 2026. The pandemic has had its impact on the gaming market as well, as millions of people experiencing lockdowns around the world started playing more games. In a report by Reuters, the industry's biggest growth is in mobile gaming since many internet cafes had to close due to the influence of the pandemic. As a result, many gamers had to rely on their mobile devices to play games. The reports revealed that mobile gaming accounted for \$77.2 billion revenue increase. A survey from March 2020 also revealed that video gamers in the United States spent 45% more time playing video games during the quarantine. Amongst the 2.7 billion total global gamers projected in 2020, about 2.6 billion played games on their mobile devices. According to Newxoo, the console gaming market experienced its slowest growth rate since 2015. With the increased provision of entertainment in the gaming industry, there has been an increase in the number of players willing to subscribe to access more personalized services that would cause them to earn in the network. While the PC and console markets have been lagging behind, mobile games have dominated over 50% of all internet traffic globally for the first time in the first quarter of 2021. In all of these market trends, a new type of gaming has been creeping onto the market with staggering success. As the industry expands, there will be more competition for market share. Developers are likely to provide more added services that have the best value proposition for players in the network.

Market Statistics

Blockchain Technology

Blockchain technology is a distributed and unalterable ledger used to record the origin of a digital asset. Through the use of cryptographic hashing and decentralisation, blockchain technology makes the history of a digital asset immutable and transparent. Blockchain technology allows peers who do not trust themselves to engage in transactions in a tamperproof and secured way. In blockchain technology, each block in the chain contains several transactions, and each time a new transaction occurs on the blockchain, a record of it is added to the ledger. As every new transaction is added to existing records, the ledger becomes difficult to access. Any hacker who decides to corrupt the system would have to tamper with every block across the networks of computers. As this is impossible, blockchain technology is considered unalterable and immutable.

Although blockchain technology was built to function without a central operator, it is still required to authenticate transactions. Hence, transactions are authenticated through cryptographic keys that identify a user and give the user access to their wallet or account on the system. When two users initiate and execute a transaction on the blockchain, the nodes are required to validate and approve the transaction before it is added to a block in the chain. On the Bitcoin blockchain technology, most nodes must agree that a transaction is valid before it is validated.

Asides from functioning as the enigma of the finance sector, the possibilities of blockchain technology transcends myriad sectors. As a new innovation, the technology is now utilised

to foster growth, an additional engine to a wide range of industries as well as the gaming industry. Among others, the blockchain revolutionary utility can disassemble data into pieces and distribute them across servers. By so doing, the technology makes it impossible for data to be manipulated. Card games are one of the first sets to implement blockchain technology in gameplay. The growth has expanded into cryptocurrency games and now NFTs. As people keep consuming games, there is an increased need for blockchain facilities. Much more, the increased instances of hackers finding loopholes to hack accounts, data theft, hacking of gaming accounts, hacking of data like in-game assets, identity details, and banking accounts linked to the gaming platforms for in-game transactions have required the urgent implementation of blockchain technology to provide safe user-base for players.

Video gaming is a locked-up industry in which gamers are isolated to their dorm rooms, couches, consoles, mobile devices, and primarily to the in-game environment with limited options. This makes the interaction process limited to the game itself and the instruments it provides – collectible in-game items that can affect the abilities or visuals of an in-game character. In a true sense, Modern gaming is very isolated as the players can only interact with their characters and items inside the in-game environment, with no connection to the real world. Much more, most games online and offline can be modified or hacked, giving some gamers an unfair advantage over others.

Decentralised gaming offers gamers what they need – an economy based on principles of transparency, immutability and fairness, eliminating the possibility of fraud and allowing the gamers to start earning in-game rather than spending. Apart from the boons of principles, blockchain allows developers to explore entirely new horizons in a virtually unlimited and expansive infrastructure that gives untapped possibilities for integrating an endless variety of modules and technologies ranging from VR, AR, uncontestable pseudorandom number generators, etc.

Why Blockchain Technology in the Gaming industry?

- **Transparency and Verifiability:** One major development in modern games is the use of digital assets to complete rewarding missions. As these assets are scarce, players need to either purchase them with their fiat currencies as an in-game

purchase or earn them as they progress. While many players sought to buy these assets, the platform has no means to reflect accountability. Developers could just produce an unlimited amount of the supposed 'scarce asset' or rig the market by providing the asset to certain players. Blockchain technology solves this by enabling the tokenisation of these assets and the development of a decentralised asset market where players in the network can verify the number of the 'scarce' assets and monitor their distribution, thus enabling accountability and transparency

- **Scarcity Verification:** One of the valuable properties of in-game assets is scarcity. However, the traditional gaming network system makes it impossible for players to know how scarce an asset is. To validate scarcity, assets issued on the blockchain can be easily verified with players identifying the total quantity on the block ledger.
- **Secured Platforms:** Traditional gaming platforms are hosted on centralised servers. Transactions initiated to access gaming services are executed on phones or desktops without adequate security measures in place. Much more, assets held in gaming accounts can easily be stolen. Blockchain technology eases the affairs of players by aiding in a secure store of value. Since it is difficult to hack blockchain, players who have worked hard to collect assets can securely store them.
- **Storage of Collectibles:** NFTs can easily be stored on the blockchain. Since games have assets that are unique and collectible, the assets are highly valuable. Hence, Non-fungible tokens could be used to represent these assets and make them easily storable in a wallet and tradeable in an open market.
- **Speed of Transaction:** Since gaming platforms operate globally, players from different countries play their games virtually. During their playtime, the transfer of currencies to make purchases could take time to process. Blockchain technology enables instant transfer of funds without exorbitant costs and restrictions. Besides from payment, the technology also removes the delay in receiving winnings.
- **Interoperable Gaming Network:** Blockchain platforms require users to own public addresses for transactions across blockchain networks. By having a gaming platform on the blockchain, developers can create games securely on the network, and players can take their public addresses from one game to another

- **Complete Ownership of In-Game Assets:** Players do not really own in-game purchases in the current gaming system. However, blockchain makes players take complete ownership over their in-game assets through the use of smart contracts. Anytime players purchase in-game assets through a smart contract enabled gateway, all purchased assets are transferred to their public addresses.
- **Increased Governance:** Blockchain technology enables open communication between players and developers through its community consensus feature. Hence, when players or developers come up with new gaming ideas, the community can either agree or disagree. If the community agrees, the enhancements will be implemented, but the suggestion will be discarded if the community disagrees.



Blockchain Gaming

Blockchain games introduce a new section of the industry to players. It introduces a system that promotes decentralised gaming activities. Instead of a centrally controlled server, blockchain digital game assets are distributed among players and tokens are distributed in the network to facilitate interactions. By implementing blockchain, players in the industry gain access to true ownership, decentralised games, fair gameplay, and cryptocurrency acquisition through gameplay, global leaderboards, and censorship resistance. Much more, blockchains built games and decentralised applications effectively capture the utility and value of in-game purchases and asset acquisition.

As the influence of blockchain in the gaming industry grows, non-fungible tokens have further driven the growth of the industry. These non-fungible tokens are digital assets that represent in-game content. The dynamism of non-fungible tokens introduces a shift that makes players capture the utility and value of assets acquired through in-game purchases, promotional events and regular gameplay. Assets can be tokenised, thus transforming in-game purchases to transferable assets that can be exchanged for currencies or interoperable with other games. As NFTs can retain value beyond the game in which they are developed, these blockchain built games tend to establish new gaming categories, establish economies,

One of the earliest adoptions of blockchain in the gaming industry is cryptokitties. CryptoKitties game dropped on the Ethereum network in 2017 and literally clogged the network to a standstill. As gamers rushed to have a taste of the new type of blockchain gaming, the money flowed in their wake. The most expensive collectible cat ever sold in the game was valued at \$117,000. And that confirmed prospects of decentralised gaming.

Ever since then, blockchain-based games have been coming off the production line with varying degrees of complexity and success. The first quarter of 2021 saw the advent of an upgrade in crypto gaming in the form of NFT games, which have made the shift from Play to Earn games to collectible games based on the Pay to Earn principle, as rare NFTs often fetch astronomical prices on the market.

Recent statistics from statista.com reveal that the game market value worldwide has increased significantly over the past decade and is forecast to grow over the \$200 billion mark in 2023. The overall capitalisation of the NFT market reached over \$22 billion in 2021, up from \$338 million in late 2020. Much of the given sector is being focused on the gaming industry, which has immense potential for providing gamers with unique opportunities for collecting in-game items. Such possibilities are best highlighted in the Esports market, which was valued at over \$495 million in 2020 and is expected to reach over \$646 million in 2021 due to the injection of new technologies that make the engagement process more exciting for gamers and fans.

As of the first quarter of 2021, 80% of all traffic on the Ethereum network is attributed to decentralised betting and gaming transactions over the last two years running. Such figures are a clear indication of the interest that both players and developers are dedicating to decentralised infrastructures for a great number of reasons. But while Ethereum is making headway, the Binance Smart Chain is also catching up by offering many exciting crypto game projects, like Battle Pets.

Cryptocurrency Gaming & NFT Gaming

Cryptocurrency gaming platforms are different from NFTs gaming platforms. While both platforms utilise blockchain technology to provide traders with more rewarding and accessible gaming features, they both offer different gaming features for players. The cryptocurrency gaming network is focused on spending cryptocurrencies to earn and transact with other players, while the NFT gaming network is focused on using native currencies for generating and collecting unique NFTs that can be used for special activities held on for increased value. Amongst both, there has been an increased implementation of NFT gaming services. Currently, NFT games are in the lead with platforms like Axie Infinity - a decentralised strategy game where users collect, breed, and trade fantasy creatures called Axies in Pokemon-style. The game sold nine plots of land for \$1.5 million in its virtual space and is attracting up to 5,000 new users weekly, with weekly volumes nearing \$1.8 million in turnover.

Sorare has proven to be just as popular, as it allows players to play fantasy football using digital cards of five-player teams and earn rewards based on their performances in real life. Other highly popular titles include F1 Delta Time – a Formula One game where users get to participate in racing tournaments using digital collectibles like cars, trinkets, race tracks, drivers, and tires. Or Evolution Land, where players interact using avatars called Apostles that can be purchased at NFT auctions.

Although highly promising, blockchain games have their limitations. Blockchains on which new gaming trends are built require transfer fees which can often bite large chunks out of

gamer earnings. Much more, some of the platforms with bugs experience data loss and are faced with the need to reward those who maintain game universe networks. In addition, the user interface and experience is also a major hurdle for blockchain-based game adoption. Lastly, blockchains are still scaling poorly, and money laundering using NFTs is being eyed by authorities as a new form of crime.

While the problems are surely immeasurable with the problems of centralised gaming platforms, the market keeps latching on to the opportunities that promise better rewards and profits. With gamers looking towards new diversity, new experiences and opportunities to make more money in their favourite games, there would be the need to develop platforms built on scalable blockchain networks and ones better suited for better mobile graphics.



Non-Fungible Tokens And Creator Economy

In every creation process, human expression and imagination are essential to produce works of art that inspire and grant civilisation a precious gift. This process makes humanity richer in advancement and intangible value. For centuries, rampant piracy has plagued the art market, with people replicating items without the permission of the creator. However, the creator economy has changed the norm by leveraging people in the digital space. Blockchain technology also provides an alternative solution that allows creators, get the platform and instrument required to protect their income and content rights.

The creator economy received a significant boost in 2020 from the pandemic. Statistics show that millions of people under lockdown opted for spontaneously created digital content. Also, mainstream television, film, and other industries faced a massive backlog due to disrupted communications worldwide, affecting their supply. The popularity of online artists on TikTok and other platforms surged, with over 50 million people worldwide considering themselves to be creators in 2021. This number also includes 2 million professionals. YouTube has allowed 25% of professionals to rake in revenues, followed by around 30% on Twitch. The remainder is distributed across numerous other platforms catering to acting, writing, music, illustration, podcasts, and other media types.

“Creator Earnings, Benchmark Report 2021”, published by influencermarketing.com, found around 43% of all creators earn approximately \$50,000 annually. These figures are backed by the \$800 million yearly growth of the creator economy in 2020.

The entire creator economy is estimated to be \$104 billion, with 77% of all creator revenues coming from brand sponsorship sources. However, creator income levels correlate highly with the size of their audiences. A creator can spend up to four years building an audience that will generate an income of \$20,000 a year.



The Non Fungible Tokens (NFTs) Sector

Non-fungible tokens are tokenised digital assets that represent real-world objects. Like cryptocurrencies, they are bought and sold on a marketplace and generally encoded with the underlying blockchain technology. The blockchain technology on which these NFTs are built is used to prove the authenticity and ownership of the digital asset. NFTs function as a unique type of token generated through hash methods. Unlike other forms of tokens, they cannot be replicated. While intermediaries are the main problems of digital asset ownership, NFTs solve the problem by embedding metadata into a token representing the asset. Hence, when the non-fungible token is minted, its metadata is registered on the blockchain and becomes the key to enabling individuals to see and verify its history/ownership without the need for a third-party intermediary. While it is also easy to forge pieces of digital assets, NFTs change the narrative by encrypting the digital source of the asset with the blockchain, thus ensuring that the only thing remaining is the definitive version of the piece. The idea of Non-fungible tokens was established as a solution towards the sustenance of the features (proof of ownership, uniqueness, and scarcity) of assets.

Unlike other cryptocurrency tokens, NFTs store extra information, which elevates it above pure cryptocurrency. The extra information store in NFTs makes them take the form of any asset. In essence, Non-fungible tokens could be anything from a piece of digital art to a music file to games; they could be anything that can hold value. While cryptocurrencies like Bitcoin represent mutually interchangeable commodities, non-fungible tokens do not.

Hence, holders cannot sell an NFT and replace it with an item of equal value. Amongst all features, what makes NFTs unique is the digital asset tied to the token. The famous digital artist Beeple crafted a composite of 5000 daily drawings and sold it for \$69.3million.

Since January 2021, the NFT market has experienced an unprecedented surge. In March 2021, the trading volume of the industry rose to over \$400 million from its 2018 trading volume of \$41 on the Etheruem network. The rise in popularity is partly due to recent NFT popularity in the press, considering that trading volumes have decreased lately. However, that did not diminish the value NFTs offer creators globally and the lucky holders of the unique assets tethered to the tokens.

With Beeple selling "Everyday: The First 5,000 Days" for over \$69 million and Twitter's founder receiving over \$3 million for an NFT tweet, the possibilities for artists with NFTs are broad. As a money-making opportunity, it seems the sky is the limit.

Major auction houses like Christie's are launching their own NFT marketplaces, while luxury brands like Gucci are eyeing the possibility of releasing unique branded items with NFTs. Creators are also taking the same opportunities with the multitude of NFT platforms emerging on the market.

The significant advantages NFTs offer are embedded right in their code. These ensure the immutability of ownership rights and their complete transparency. As such, creators can be confident that their content's ownership and authenticity rights are secure. The owners will also have peace of mind, knowing that they possess a truly unique work of art.

Since the establishment of their utility value, NFTs are proving to be an instrumental choice for creative artists. From arts to social video platforms, NFTs have proven to maintain an ever-evolving creative landscape. NFT could secure the ownership rights of memes, artworks, cars, real estate and even music albums, thus erasing cases of forgery. The blockchain acts as the guarantor, allowing creators to focus on what they do best – creativity, expression of identity, emotions, and producing works for audiences to admire. The technology also combats the loss of income siphoned by piracy that demoralises creators and robs them of their rightfully earned revenues.



NFTs Mainstreaming

Though NFTs have only entered the mainstream since 2021, it is unlikely that they will be a fad. According to [statista.com](https://www.statista.com), the creator economy is rapidly catching up with traditional entertainment media, as mobile viewership surpassed 50% of all global traffic in Q3 of 2020, reaching 54% by Q1 of 2021. NFTs play a role in the growth of mobile audiences, as next-gen mobile systems implement NFT mechanics. We now live in a world of collectible card games, gachas, and other applications that attract younger audiences that value the status that comes with possessing a unique item. Creators and the collectors are in a win-win situation that market dynamics clearly illustrate.

Bingo BSC In The Growing Gaming Industry

Bingo BSC was developed as the first decentralised gaming platform on the Binance Smart Chain to provide players with a safe gaming network that aids in a fair share of the perks of the platform. While traditional gaming networks restrict the benefits of players through centralised control and lack of transparency, Bingo BSC makes provision for decentralised and accountability of in-game asset ownership while still making players earn through various reward generating mechanisms. Being built on the Binance Smart Chain, Bingo BSC provides gaming interoperability that is not provided by the existing centralised network and existing blockchain gaming platforms.

With gaming interoperability, players can play games across networks and use their in-game purchases across provided platforms. The platform incorporates the best AAA mobile blockchain RPG that allows players to convert their gaming passion into valuable digital assets. Players participate in challenges, collect items and resources, and craft items to get digital assets with uprising value. As players complete certain actions, rewards will be distributed among them. These rewards can also be used to purchase other in-game assets or NFTs with real value.

On the platform, players who play games and complete certain actions can earn rewards in the form of resources, digital assets, equipment or the platform's currency. Any reward earned can be used to recruit and upgrade heroes or create equipment to complete progressively harder tasks. As players complete tasks in the platform, they move up to the next task level.

Amongst the features implemented by the network, Bingo BSC incorporates the use of NFTs. These NFTs will be in the form of pets. The pets can initially be purchased during the presale offering. However, when the game launches, it will only be sold by players. The NFTs will be used to increase the chances of players success on the gaming platform. As the platform is built on the Binance smart chain, players will be able to play their games seamlessly while paying low fees for assets trading. The Bingo BSC gaming platform develops an underlying coin for players to use in the network. The coin will serve as an in-game currency for players to spend when they need to mint an asset on the blockchain to make a primary sale purchase or vote on important game decisions. The coins are used to mint NFTs, which are in turn used to participate in serval games on the network. By providing different opportunities for players to earn and build their wealth, Bingo BSC creates a massive real world economy for players and creators.



Binance Smart Chain

Binance Smart Chain functions as a blockchain network that leverages the high functionality of the Binance Chain while incorporating smart contracts in its ecosystem. Being compatible with the Ethereum Virtual Machine, it easily launches DApps and Ethereum tools, making it possible for developers to port their projects with Ethereum to the Binance Smart Chain without any difficulty. The cross-compatibility feature between the Binance Smart Chain and the Binance Chain provides a means through which users can transfer assets from one blockchain to another, thus enabling speedy trading capabilities with the smart contract functionality. In essence, users can trade on Binance Chain while still building decentralised apps on the blockchain. Amongst others, the Binance Smart Chain is particularly known for its cross-chain asset transfers and EVM compatibility, five-second block time, and Proof of Stake Authority consensus protocol to ensure scalability. It uses a mixture of Proof of Stake and Proof of Authority Models - the Proof of Staked Authority Consensus Algorithm, thus providing more inclusive chain management.

Bingo BSC leverages the minimal transactions fees and speed of the Binance Smart chain to provide players with a safe, secure, and interoperable gaming process for gamers. As the Binance Smart Chain is also scalable, creators can mint more NFTs, and players can seamlessly move up to the ladder to earn seamlessly.

Why Binance Smart Chain?

- **Low Transaction Fees:** Binance Smart Chain was developed to be the most inclusive blockchain for traders. By project low transaction and trading speed of up to 3 seconds, the network proves to be the best for NFTs functionalities. Its features will enable Bingo players to seamlessly conduct countless transactions without one affecting the other
- **Multi-wallet Support:** Being compatible with the Ethereum Network, platforms built on the network can be used with other wallets like Trust Wallet, MetaMask or the Binance extension wallet
- **Incorporation of Bridges and APIs:** the Binance Smart Chain ecosystem consists of tooling projects, infrastructure and bridges that aid cross-chain interoperability. Much more, it includes APIs for quick data sharing and processing as well as security projects analysing and providing risk assessment. The utilisation of these features will solidify the gaming platform and keep the network seamless.

Features Of The Bingo BSC

Bingo BSC is a decentralised play to earn gaming network that rewards players for completing certain tasks. The network places priority on players hardwork by providing them with valuable assets that can be converted to build their financial holdings. The network includes servers that make it stand above every existing centralised and blockchain-based gaming platform. These features are utilised by players to gain the best of the network.

Bingo Plan

The Bingo Plan is the first feature to launch on the BSC enabled gaming platform. The feature includes an ABCD plan to help players make huge wealth and gain access to more financial opportunities in the gaming space.

BINGO - ABCD	ROI	DAILY	TOTAL RETURN
A	10%	11	110%
B	8%	15	120%
C	7%	20	140%
D	6%	30	180%

The Bingo plan has (4) four categories of investment. The ROI accrued by each player will be dependent on the category in which they invested. On every amount invested, 0.1% profit will be automatically added to the existing amount invested every day. Hence if a player participates in plan A on the first day of launch and gets 10%, the interest would become

10.1% the next day for new member join . The Bingo Plan also gives a marketing bonus to every participating member. Hence, if the value of the cryptocurrency is invested in \$100 (USD), the member gets 2lv, if it is \$500, the member gets 8lv. And if it is \$1000, the member gets 15lv. All marketing bonuses will be automatically added to every participating members' wallet.

1 Lv	8%
2 Lv	4%
3 Lv	3%
4 Lv	2%
5 Lv	1%
6 Lv	1%
7 Lv	1%
8 Lv	1%
9 Lv	1%
10 Lv	1%
11 Lv	0.5%
12 Lv	0.5%
13 Lv	0.5%
14 Lv	0.5%
15 Lv	0.5%

At the end of the cycle, every participating member will get the BingoCoin during the airdrop.

Airdrop Distribution

Bingo A	1,000,000 x 11	11,000,000
Bingo B	2,000,000 x 15	30,000,000
Bingo C	3,000,000 x 20	60,000,000
Bingo D	4,000,000 x 30	120,000,000

Bingo DeFi Gaming Feature

The Gaming feature of the decentralised network is the core of the Bingo BSC. In this section of the decentralised network, players play to earn rewards. Rewards earned are redeemable for currencies or in-game assets.

Overview of the Gaming Network

Players will be required to bring a team of heroes into the dungeons to fight. A team of these heroes is required to participate in the game, and the team strategy is as important as the skill, composition, dodging ability and synergies needed to ace each level. As the team is being prepared, players would have to take cognisance of the factional, class and elemental synergies required in the combat. Each team would have abilities pegged to them. Hence, a team of all (heroes) Hored element could have their raw attack boost buffed, and a team of Fire elements could have their strength in being able to inflict long term damage. The gameplay could also provide a combo system that allows skilled players who dodge and time attacks correctly to rack up mammoth damage numbers. As players move up the ladder of the gameplay, the platform could also incorporate a feature that test players' skill in agro-management, healing output and damage output during the most challenging content. By so doing, the network improves its value.

Bingo Gaming Core Loop

At the initiation of the game, players create a team of heroes and venture into dungeons to complete tasks. At the completion of each task, Players earn rewards such as resources, currency, and equipment. These players spend their rewards on recruiting heroes, upgrading heroes, and creating equipment. Then, they use their newly-acquired heroes and equipment to complete progressively harder dungeons. Importantly, dungeons in Bingo Gaming are level-based and not open world. Hence, each dungeon is unique and filled with monsters, bosses, and traps that players must overcome to complete and move to the next stage.

Heroes

In the Bingo BSC gaming space, heroes are unique characters that players take into dungeons to defeat monsters and collect rewards.

These heroes are defined by several characteristics

Factions:

- Horde
- Empire
- Glade

Classes

- Warrior
- Ranger
- Mage

Rarities

- Common (not on blockchain, neither is it tradable)
- Rare
- Epic
- Legendary

Elements

- Water
- Earth
- Fire
- Dark
- Light

Abilities: Every hero mobilised has two abilities;

- Active: Active abilities are ultimate actions that can be used to clear a room, heal an entire team, taunt a boss, or deal massive single target damage.
- Passive: Passive abilities are actions that can be activated based on immediate need



Bingo NFT Space

Bingo BSC incorporates NFTs into the network to equip players and enhance better gaming rewards. The NFTs can be in the form of;

- Pets
- Energy Boosters

Pets

Pet NFTs can be purchased during the presale offering. However, immediately after the game space launches, network members can purchase it from other players. Upon purchase, the players are rewarded with an equipped pet. Each pet gotten on every purchased token is randomised, with the most powerful pets considered as rare.

Pet Characteristics

Every pet has its own characteristics, and each characteristic is utilised by players when battling in the dungeons

Type:

Workers:

- Passive generation of crafting resources
- Increase dungeon item drop
- Increase dungeon completion rewards

Rarity:

- Common (tradable)
- Rare
- Epic
- Legendary

Energy Boosters

This type of NFTs are utilised to boost the energy of heroes in the dungeons

- They remove any rate of increased fatigue a hero would suffer from when they go into a dungeon
- They allow players to use their favourite heroes for longer without incurring penalties.

Gaming Equipment

Equipment is not sold on the Bingo Gaming network. Instead, these weapons and pieces of armour are available for players to find, create and trade. Equipment trading in the platform will be player-driven rather than platform-driven. Hence, players can determine what to do

with the equipment found or created. Every equipment on the network has unique buffs that provide stat bonuses to the pegged heroes. Much more, every equipment will retain its features for as long as held by players.

Equipment characteristics

Types

- Weapon
- Helmet
- Jewelry
- Boots

Rarities

- Common
- Rare
- Epic
- Legendary

Earning NFT Asset in the Decentralised Gaming Network

The Bingo Gaming platform provides several ways for gamers to earn. While the availability of various earning measures could birth the influence of bad actors, the platform incorporates measures to prevent these actors from influencing the market and facilitate the ability of legitimate players and their assets to maintain value over time.

How to Earn

- Summoning and Merging

Players can play for free to earn common heroes (which are not tradeable). After earning multiple common heroes, they can move on to merge the heroes into ones of a higher (tradeable) rarity. In essence, players can play for free to earn common heroes and eventually work their way up to owning legendary heroes.

- Ascension

Players can utilise their hero till it reaches a certain level. Once the hero is at this maximum level, they can 'ascend' it to increase its level cap. This process unlocks the heroes potential power and utility value.

- Crafting

Crafting materials will be a drop from dungeons. Players can contribute crafting materials to their guild to craft blockchain items, which will automatically be sent to the market to be sold and the profits split based on each player's contribution.

- Addition

Other ways to earn in the network will be developed as the platform expands.

Bingocoin Network

The BingoCoin functions as the underlying coin of the Bingo BSC gaming platform. It functions as an in-game currency for players to use whenever they need to mint a new asset on the blockchain, make a primary sale purchase or vote on important game decisions.

Usage of the BingoCoin

1. To mint Gaming NFTs

To create a blockchain asset in the Bingo Gaming platform, creators would need the BingoCoin. However, the coin's cost of minting a particular NFT will increase with each NFT minted. As such, the platform facilitates early use of the coin while still retaining the coin's ability to serve as a mechanism to regulate the supply of assets and avoid a scenario of the market being flooded with items. Some in-game activities which involve minting new blockchain assets include;

- Merging: This involves combining several heroes of one rarity tier to create one hero in a higher rarity tier
- Crafting: This involves the player working together with the guilds to collect resources to craft tradable items

- Ascension: This involves upgrading a hero to 'add a star', thus increasing its level cap

Whenever BingoCoin is spent to create a new asset, all BingoCoin spent are moved into a Reward Pool to be distributed back to BingoCoin holders.

2. To buy Assets during a Primary Sale

Whenever a player purchases an asset in a primary sale, 10% of the sale value must be paid for in BingoCoin and sent to a "reward pool". To simplify the user experience, the purchase will occur in a single transaction. In essence, during the asset purchase, the platform automatically purchases BingoCoin from a DEX and transfer those BingoCoin to the rewards pool on behalf of the player.

3. To participate in the Active Staking Reward Pool

BingoCoin spent to mint new assets or buy new assets will be sent to the "Rewards Pool". In the rewards pool, the coins will be actively staked to make players earn rewards. As tokens are staked, players must also actively participate in the games. This combined effort will enable the player to earn good rewards.

There will be two stages of "active staking" based on implementation timelines and development;

- *Active Staking Stage 1: Vote + Stake*

BingoCoin in the reward pool is distributed to everyone who votes on meaningful game decisions. The developer will decide what decisions get put to a vote. Proposed topics could include awarding development grants or changing the reward weighting for player rewards. Any vote will be considered binding if it passes the prescribed minimum requirements, for example, 80% acceptance. Votes below this quota will not be considered. BingoCoin holders must both stake and vote in order to earn rewards, with rewards being proportional to the amount they have staked. BingoCoin may be subject to transfer restrictions.

- *Active Staking Stage 2: Play + Stake*

In the long-term, the platform plans to distribute BingoCoin in the reward pool to everyone who “plays the game” instead of everyone who votes. This structure will be designed to grow and enhance the overall game and economy for all participants.

BingoCoin holders must also stake to receive rewards, with total rewards proportional to the amount of BingoCoin they stake. BingoCoin rewards may be subject to transfer restrictions.

The “plays the game” feature in this stage requires active participation and may include in-game achievements that require 30 minutes of playtime per week. To build a more cooperative community, BingoCoin holders will be able to delegate their “plays the game” work to other players in exchange for sharing a percentage of their BingoCoin rewards. However, implementing this feature may require passing a community vote.

4. To Vote and participate in Governance

In the Bingo BSC platform, the BingoCoin will be used to facilitate an increased decentralisation of governance decisions. Hence, as the game matures, the platform may assign more decision rights to BingoCoin holders. These rights include but are not limited to: setting liquidity mining incentives and distribution rates per pool, adjusting marketplace fees for trading, adjusting the BingoCoin cost of purchasing assets, adjusting the player reward rates for different in-game actions, etc

Utility Goal of the Bingo Coin

- **Player Reward:**

BingoCoin is a tradable in-game currency given as gameplay rewards to improve player retention and provide an avenue for play-to-earn. It also allows players to access premium content and leverage in-game purchases.

- **Align Incentives:**

BingoCoin can be given to other community members (developers, content creators, etc.) as an incentive to grow the game and community, which ultimately results in a better Bingo Gaming experience for all players.

- **Regulating Economy:**

Bingo Coin forms a critical part of helping build a sustainable play-to-earn economy and protect against bots. A fixed distribution of Bingo Coin aids in its increased value.

BingoSwap

DeFi innovation has brought many practical applications to the industry and has promoted the development of open finance. The decentralised exchange (DEX) is a notable space that has gradually been recognised by the market following a surge of growth and consumer participation. According to DeBank data, the total value of locked assets of Ethereum DeFi projects is over \$60 billion. However, network congestion and poor scalability have caused unprecedentedly high network transaction fees. This problem is urgent and caused significant financial detriment for users of the blockchain space. The problem lacks a proven solution with community consensus. With the emergence of various Layer2 solutions and the efforts of some sidechains such as BSC and HECO, there are now choices for retail investors. However, transaction barriers between blockchains will continue to limit the usage of assets.

Bingo-Swap helps counter these limitations by leveraging cross-chain protocol to connect different blockchain networks, thus allowing users to freely exchange

Tokenomics

BingoCoin is a premium in-game currency freely given to players for engaging in certain gameplay actions in the Bingo mobile game network. The coin can be utilised to access various services on the network and can also be traded between players on a marketplace. The coin may also be distributed to community members for certain actions deemed appropriate by Bingo Gaming. It could be distributed as a reward program for community events and competitions or distributed as grants, bonus tokens, etc. BingoCoin can be used in the Bingo Gaming platform when players want to perform “premium” actions that involve creating new blockchain assets. For instance, It could be a part of the cost of crafting and merging in-game items. Bingo BSC partners with Bingo.Gaming to issue and distribute the in-game currency that will be used in the mobile game platform. This in-game currency (BingoCoin) is a BEP-20 token. By being built on the Binance Smart Chain, the coin is notably interoperable with other coins. Much more, coin ownership aids in the seamless facilitation of transactions in the network. The coin will also function as a liquidity token in decentralised exchanges in order to facilitate quick transfer of the tokens among traders. Liquidity providers can earn from their investment while still earning on the mobile platform.

Token Distribution

- Total Supply – 100 trillion
- Token Price – \$0.0000000001/BingoCoin
- Burn – 50%
- Airdrop – 20%
- Liquidity Pool – 30%

On every transaction executed with the BingoCoin, trading fees will be deducted. For usability;

- 3% of the trading fee will be returned to the liquidity pool
- 3% will be redistributed to holders
- 2% will be sent to a burn address

Bingo BSC changes the gaming industry by providing an all-inclusive play-to-earn gaming ecosystem to improve the financial worth of gamers and aid in a fair share of the industry's wealth.



RoadMap

- Website launch
- 6000 telegram members
- Marketing push to spread awareness
- Influencer marketing push
- Third party audit
- Listing Of Bingo ABCD Plan

- Listing Of BingoCoin
- Listing on Pancake Swap
- Start Liquidity Mining
- Large influencer marketing push
- 10,000 Holder
- 20000 Telegram members





Conclusion

Existing gaming networks do not provide value for gamers despite the efforts and resources put into completing tasks and beating records. While blockchain technology has influenced certain aspects of the industry, the technology has not been utilised to hold certain aspects of the industry. Hence, Bingo BSC was developed as the first decentralised gaming network on the Binance smart chain to provide solutions to the reduced value of centralised gaming networks while still providing valuable returns on investment for every gamer. While existing platforms barely consider players' interest, Bingo BSC implements a fair share that keeps every player involved in the network. Gamers can earn rewards for completing a task and can also use their rewards to make purchases that will strengthen their ability to complete new tasks. Players also get valuable non-fungible tokens that identify as rewards for completing harder tasks. By providing a platform that implements blockchain technology and the value of NFTs, Bingo solves the legacy problems of the gaming industry while still allowing users to own their in-game assets. Bingo introduces decentralisation and keeps everyone in check