PBC

Whitepaper

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Quasartech.org

CRYPTOCURRENCY

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1.1 What is cryptocurrency

Cryptocurrency is a digital payment system that doesn't rely on banks to verify transactions. It's a peer-to-peer system that can enable anyone anywhere to send and receive payments. Instead of being physical money carried around and exchanged in the real world, cryptocurrency payments exist purely as digital entries to an online database describing specific transactions. When you transfer cryptocurrency funds, the transactions are recorded in a public ledger. Cryptocurrency is stored in digital wallets.

Cryptocurrency received its name because it uses encryption to verify transactions. This means advanced coding is involved in storing and transmitting cryptocurrency data between wallets and to public ledgers. The aim of encryption is to provide security and safety.

The first cryptocurrency was Bitcoin, which was founded in 2009 and remains the best known today. Much of the interest in cryptocurrencies is to trade for profit, with speculators at times driving prices skyward.

1.2 How does cryptocurrency work?

Cryptocurrencies run on a distributed public ledger called blockchain, a record of all transactions updated and held by currency holders.

Units of cryptocurrency are created through a process called mining, which involves using computer power to solve complicated mathematical problems that generate coins. Users can also buy the currencies from brokers, then store and spend them using cryptographic wallets.

If you own cryptocurrency, you don't own anything tangible. What you own is a key that allows you to move a record or a unit of measure from one person to another without a trusted third party.

Although Bitcoin has been around since 2009, cryptocurrencies and applications of blockchain technology are still emerging in financial terms, and more uses are expected in the future. Transactions including bonds, stocks, and other financial assets could eventually be traded using the technology.

PBC

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2.1 PBC

PBC is a Utility cryptocurrency built on the principle of decentralized finance. Created on the Binance smart chain BEP20 which will be used as a platform token for freelancing site for buying and selling services on the marketplace.

2.2 SPECIFICATION

Name: PBC
Total supply: 100 Million
Blockchain network: BEP 20
Smart contract: 0xF72Fa02b709f3718ab1C72F368Da8683E621BF17
Decimal: 09

2.3 Who we are

WE ARE A TEAM OF EXPERTS WITH EXPERIENCE IN VARIOUS FIELDS INCLUDING TECHNOLOGY, BUSINESS AND FINANCE. The PBC cryptocurrency is owned by Quasartech.org. The creation of the cryptocurrency is to provide an option for our customers to carry out trades using the PBC cryptocurrency. We understand that cryptocurrency is an evolving currency which is being accepted by multiple companies for payment of their services and products. Hence, we decided to create our platform token which will be used to carry out trades by our users.

2.4 Our creation

To surpass the commission charged by the payment gateway companies.

2.5 Mission and vision

Removing third parties from financial transactions is one of the fundamental tenets behind cryptocurrency. While this sounds great to some that embrace change and understand it, others might not accept it. Cryptocurrency is a new concept, and it is hard to understand in a world where exchangeable value has always been placed on tangible assets.
There are several good reasons for allowing customers to pay with cryptocurrencies and there are a great number of advantages to be enjoyed by adding this mode of transaction to payment methods. Businesses have considered adding them to their payment method portfolio not only to offer their existing customers new ways of paying, but to gain access to new customers who choose to use cryptocurrencies to pay for goods and services. It goes without saying that they are also an ideal way to help boost your revenues and are thus a win-win situation that businesses cannot afford to ignore.

There are further benefits. Accepting crypto payments allows customers a discreet method of payment, payments that are secure and stored indefinitely on the blockchain ledger and a decrease in costs that are associated with other payment methods such as credit cards.

Crypto payments are not subject to strict regulation by central banks, governmental institutions and tax authorities, so they have no control over them. In addition, contrary to other payment methods, once a crypto payment has occurred, it is not possible for it to be reversed, and of course, there are no chargebacks.

Our mission is to make PBC a platform token for our freelancing website and other websites which we will be launching in the future where the crypto can be accepted for buying and selling on the marketplace thus giving potential buyers who can only make payment through cryptocurrency, a chance to buy and sell on the marketplace.

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THE BSC NETWORK

3.1 Why the BSC networks

BEP-20 is a token standard on Binance Smart Chain that extends ERC-20, the most common Ethereum token standard. You can think of it as a blueprint for tokens that defines how they can be spent, who can spend them, and other rules for their usage. Due to its similarity to Binance Chain's BEP-2 and Ethereum's ERC-20, it's compatible with both.
BEP-20 was conceived as a technical specification for Binance Smart Chain, with the goal of providing a flexible format for developers to launch a range of different tokens. These could represent anything from shares in a business to dollars stored in a bank vault (i.e., a stablecoin).
Binance Smart Chain (BSC) is a blockchain network that allows smart contract-based applications to be executed. BSC works in tandem with Binance's native Binance Chain (BC), giving customers the best of both worlds: BC's huge transaction volume and BSC's smart contract capability.

Furthermore, the Ethereum Virtual Machine (EVM) is implemented by Binance Smart Chain, allowing it to run Ethereum-based apps like MetaMask.

The platform aims to make it easier for developers to create decentralized apps (DApps) and for consumers to manage their digital assets across several blockchains with low latency and high capacity.

Because of Ethereum, facing congestion and gas tax difficulties, which have forced developers and stake investors to explore other choices, Binance Smart Chain has gained a lot of popularity in early 2021. By cutting the gas tax from 15 Gwei to 10 Gwei, the BSC community made the network even more enticing to new users as a cost-effective and dependable option.

3.2 What does the BEP-20 Token Standard Entail?

BEP-20 is a Binance Smart Chain token standard that extends ERC-20, the most widely used Ethereum token standard. It functions as a blueprint for tokens, defining how people can use them, who may spend them, and other use constraints. It is interoperable with both Binance Chain-powered BEP-2 and Ethereum-enabled ERC-20 due to its similarities.

BEP-20 came in to use as a technical standard for Binance Smart Chain to allow developers to launch various tokens flexibly. These might be anything from stock in a company to money kept in a bank vault (i.e., a stablecoin). In reality, developers can either develop a local asset like on a BEP-20 token standard, or they can peg tokens from other blockchain platforms to make them work on Binance Smart Chain. This is how "Peggy" coins, which are BEP-20 copies of other crypto assets, are used (such as LINK or XRP). BEP-20 token transfers, like BEP-2 token transfers on Binance Chain, are driven by BNB. This incentivizes validators to include transactions on the blockchain since they will be paid in BNB as a reward for their efforts.

BEP 20 is not just a new token protocol, it comes with a range of amazing features that makes defi a fundamental in every process. From profitable returns to smart contracts, everything on this framework works with an impeccable disposition.

The services based on BEP 20 allow you to achieve a large number of feats in terms of finance and other aspects. It makes the whole system more remunerative and gives you better results too. The decentralized exchange spectrum gets widened with this mechanism.

3.3 Understanding The Basics Of BEP-20 Smart Chain

When we say smart chain, there are plenty of solutions that get involved. No other contemporary tool is able to give such a powerful gamut of outcomes. The offering of upgrades helps in doing easy upgrades within the system while making the incentives better.

Along with a slew of benefits, the lucrative aspects of investment give a better track record too. Furthermore, the system is easy to understand for those who have mastered the basics of blockchain. It gives you a better launch and standardizes the processing of tokens.

The convergence of so many tools gives a more precise framework for lending and borrowing funds. The existence of smart contracts with additional solutions gives a subtle form of tokenization. It also makes the development industry inclusive and perfect.

With the inclusion of other solutions like defi yield farming and capital accumulation, it is possible to get more sources of funds. Even with so many choices, it makes the decision-making process easier for the investors as well as stakeholders of the business.

Getting Combined With Exchange & Other Crypto-Based Services
It does not only raise the trading volume but also brings more options for crypto investors. The great number of options widen the portfolio and helps you get so many discounts too. The offering gets diverse with trading, fundraising, and other activities.

From faster transactions to a host of convenient features, you get many crypto-based services. The network even allows you to have more trading volume and it gives leeway for a better issuance. The creation of tokens takes minimum time and gives you more capability of dealing with tokens.

Once you are able to secure the interests of tokens and develop tools with specific functions, the overall functionality gets better. The program can run multiple apps without posing any volatility to the validators. It gives you a higher level of utility and reduces the time of operations too.

Delivering A Consensus-Based Development Process
Be it proof of work (POW), proof of stake (POS), and proof of authority (POA), you get to make your system compatible with all the systems. Also, it allows you to have more participation in the network and you do it while spending a little amount on your own.

It also goes on to include advanced tools like Ethereum Virtual Machine (EVM) and Binance Smart Chain (BSC) to deliver more perfection. The participation in every activity gets boosted and as a result, you get to see more traction in the overall investment.

Even with a reduced capacity, the smart chain underpins your ventures and helps you get more tokens. It also comes with some notable features:-

The creation of smart contracts becomes easier than ever

BNB mechanism becomes robust and reliable for everyone

Enhances the utility of Binance and other collateral tools

Transaction fees is lowered for all types of transactions

Brings developers, token holders, and validators together

There’s enough room for upgrades and new tools

High acceptance of decentralized apps and protocols

As soon as this solution is integrated into your business mechanism, it starts to leave a lasting impact on the core architecture. While building the network, it is possible to facilitate interoperability and the swapping of different tokens gets easier.

With the facilitation of tokens, you also get a chance to bring more flexibility to the chain. Not only that, the whole system gets better and the identification of smart contracts gets regulated. The design as well as the development of the program bring more utility to the chain.

3.4 Dispersing The Advantages Of BEP 20 To Everyone

The business investment gets more systematic when you do it BEP20. The compatibility gets fueled up with the inclusion of so many programs. Through this program, it is possible to continue with transactions with blockchain through a large number of tokens.

Apart from giving so many merits, it makes trading more friendly with the BSC network. The attributes of this mechanism are not only far-reaching, but they are able to bring more synergy into the whole process. From development to distribution, everything gets streamlined and features get streamlined.

Design Principles

Standalone Blockchain: technically, BSC is a standalone blockchain, instead of a layer-2 solution. Most BSC fundamental technical and business functions should be self-contained so that it can run well even if the BC stopped for a short period.

Ethereum Compatibility: The first practical and widely-used Smart Contract platform is Ethereum. To take advantage of the relatively mature applications and community, BSC chooses to be compatible with the existing Ethereum mainnet.

This means most of the dApps, ecosystem components, and toolings will work with BSC and require zero or minimum changes; BSC node will require similar (or a bit higher) hardware specification and skills to run and operate. The implementation should leave room for BSC to catch up with further Ethereum upgrades.

Staking Involved Consensus and Governance: Staking-based consensus is more environmentally friendly and leaves more flexible option to the community governance. Expectedly, this consensus should enable better network performance over proof-of-work blockchain system, i.e., faster blocking time and higher transaction capacity.

Native Cross-Chain Communication: both BC and BSC will be implemented with native support for cross-chain communication among the two blockchains. The communication protocol should be bi-directional, decentralized, and trustless. It will concentrate on moving digital assets between BC and BSC, i.e., BEP2 tokens, and eventually, other BEP tokens introduced later. The protocol should care for the minimum of other items stored in the state of the blockchains, with only a few exceptions.

Consensus and Validator Quorum

Based on the above design principles, the consensus protocol of BSC is to fulfill the following goals:

Blocking time should be shorter than Ethereum network, e.g. 5 seconds or even shorter.
It requires limited time to confirm the finality of transactions, e.g. around 1-min level or shorter.
There is no inflation of native token: BNB, the block reward is collected from transaction fees, and it will be paid in BNB.
It is compatible with Ethereum system as much as possible.
It allows modern proof-of-stake blockchain network governance.

3.5 Proof of Staked Authority

Although Proof-of-Work (PoW) has been recognized as a practical mechanism to implement a decentralized network, it is not friendly to the environment and also requires a large size of participants to maintain the security.

Ethereum and some other blockchain networks, such as MATIC Bor, TOMOChain, GoChain, xDAI, do use Proof-of-Authority(PoA) or its variants in different scenarios, including both testnet and mainnet. PoA provides some defense to 51% attack, with improved efficiency and tolerance to certain levels of Byzantine players (malicious or hacked). It serves as an easy choice to pick as the fundamentals.

Meanwhile, the PoA protocol is most criticized for being not as decentralized as PoW, as the validators, i.e. the nodes that take turns to produce blocks, have all the authorities and are prone to corruption and security attacks. Other blockchains, such as EOS and Lisk both, introduce different types of Delegated Proof of Stake (DPoS) to allow the token holders to vote and elect the validator set. It increases the decentralization and favors community governance.

BSC here proposes to combine DPoS and PoA for consensus, so that:

Blocks are produced by a limited set of validators
Validators take turns to produce blocks in a PoA manner, similar to Ethereum's Clique consensus design
Validator set are elected in and out based on a staking based governance

3.6 Security and Finalitys

Given there are more than ½*N+1 validators are honest, PoA based networks usually work securely and properly. However, there are still cases where certain amount Byzantine validators may still manage to attack the network, e.g. through the "Clone Attack". To secure as much as BC, BSC users are encouraged to wait until receiving blocks sealed by more than ⅔*N+1 different validators. In that way, the BSC can be trusted at a similar security level to BC and can tolerate less than ⅓*N Byzantine validators.

With 21 validators, if the block time is 5 seconds, the ⅔*N+1 different validator seals will need a time period of (⅔*21+1)*5 = 75 seconds. Any critical applications for BSC may have to wait for ⅔*N+1 to ensure a relatively secure finality. However, besides such arrangement, BSC does introduce Slashing logic to penalize Byzantine validators for double signing or inavailability, which will be covered in the "Staking and Governance" section later. This Slashing logic will expose the malicious validators in a very short time and make the "Clone Attack" very hard or extremely non-beneficial to execute. With this enhancement, ½*N+1 or even fewer blocks are enough as confirmation for most transactions.

PBC Tokenomics

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4.1 Use cases

Platform token: The cryptocurrency will be used as a platform utility token for buying and selling services on the freelance marketplace and other marketplaces.

Trading: The cryptocurrency can be used for trading on exchanges to earn more profit which can be exchanged to real world asset by its holders or swapped to other fiats or cryptocurrency on exchanges.

4.2 Benefit to holders

Airdrops

We will be hosting an Airdrop program for our subscribers where free crypto will be dropped into their wallets for taking certain actions given by the airdrop bot.

Marketcap increasing

The Crypto marketcap will increase with time by creating more use cases and getting more businesses to use it. Investing in this cryptocurrency now will bring more profit because when the Marketcap increases, there is more profit to be earned.

Free & Secure

The PBC cryptocurrency does not have any taxes or fees included. Hence, it's free while trading. While trading this currency, only the exchanges can charge you a minimum fee. While creating this PBC cryptocurrency we made sure that it's completely free from our end so that our users who will be using this cryptocurrency for trading purposes don't have to pay any tax fees or any other fees.

Save commission

On most freelancing sites, people use a traditional escrow account where trade happen using fiat currencies and a commission Is been charged by the payment gateway companies like payoneer. But if you trade using the PBC cryptocurrency, you won't have to pay any payment gateway charges or any commission. PBC will surpass all the commission charged by the payment gateway companies.

4.3 Where to buy crypto

The crypto will be available for sale on the official exchanges we will be listing on. Get into the community, and get informed.

4.4 Marketing strategy

Partnerships:

We will partner with other freelancing sites and companies and hopes to build further relationships with other blockchain companies to help promote its coin continentally.

Social Media Marketing:

We have hired a marketing specialist with years of experience in social media marketing to help market our coin. Social media today is an efficient marketing strategy for every industry. We have also built partnerships with different telegram groups to help grow our community and promote the network.

Airdrop and Bounty Campaigns:

Airdrop and bounty campaigns are one of the best marketing strategy for of every crypto project. Free tokens will be given out all through.

4.5 R & D

Research & Development:

We are putting maximum funds in research and development so that we can build new technologies which will benefit our world.

Also will be investing in new projects like starting new websites on which PBC will be used as a utility token for trading purpose.

As we will be starting multiple new projects in the future hence we aim to grow big and strong in the market.

4.7 Team Info

Ankit P and Prashant R:

Ankit and Prashant are the senior developers who holds 8 plus years of experience in software development. They are smart and intelligent enough to solve the issues and handle the problems effectively.

Both are hard working and well capable to handle a team of smart software developers.

Apart from this we also have a tie up with the legal firms which can handle the legal matters of our company.

4.6 Founder Info

Founder: Nikhil Awate

Founder of PBC has a 15 plus years of corporate experience who started his business with a freelancing website.

He started this freelancing website to help the needy people who are in search of job and also wanted to spend some quality time with their family. Specifically for those moms who needs a job and also wants to take care of their babies.

His aim is to grow his business big and strong and bring new technologies in this world to benefit the humanity.

LinkedIn- https://www.linkedin.com/in/nikhil-awate-8b427189/

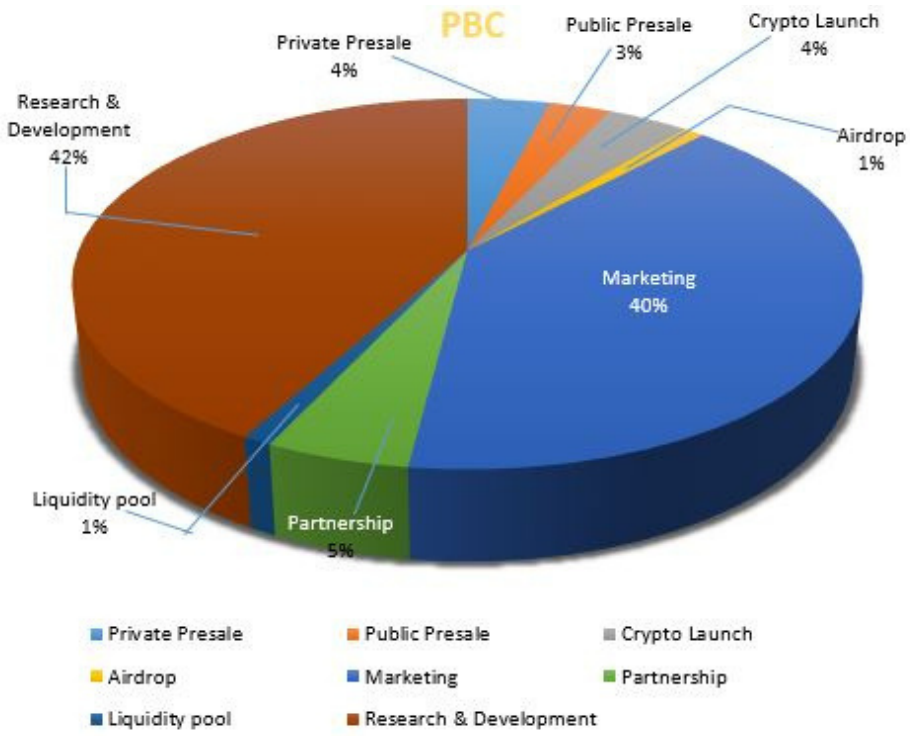
4.8 Social Links

Quasartech.org

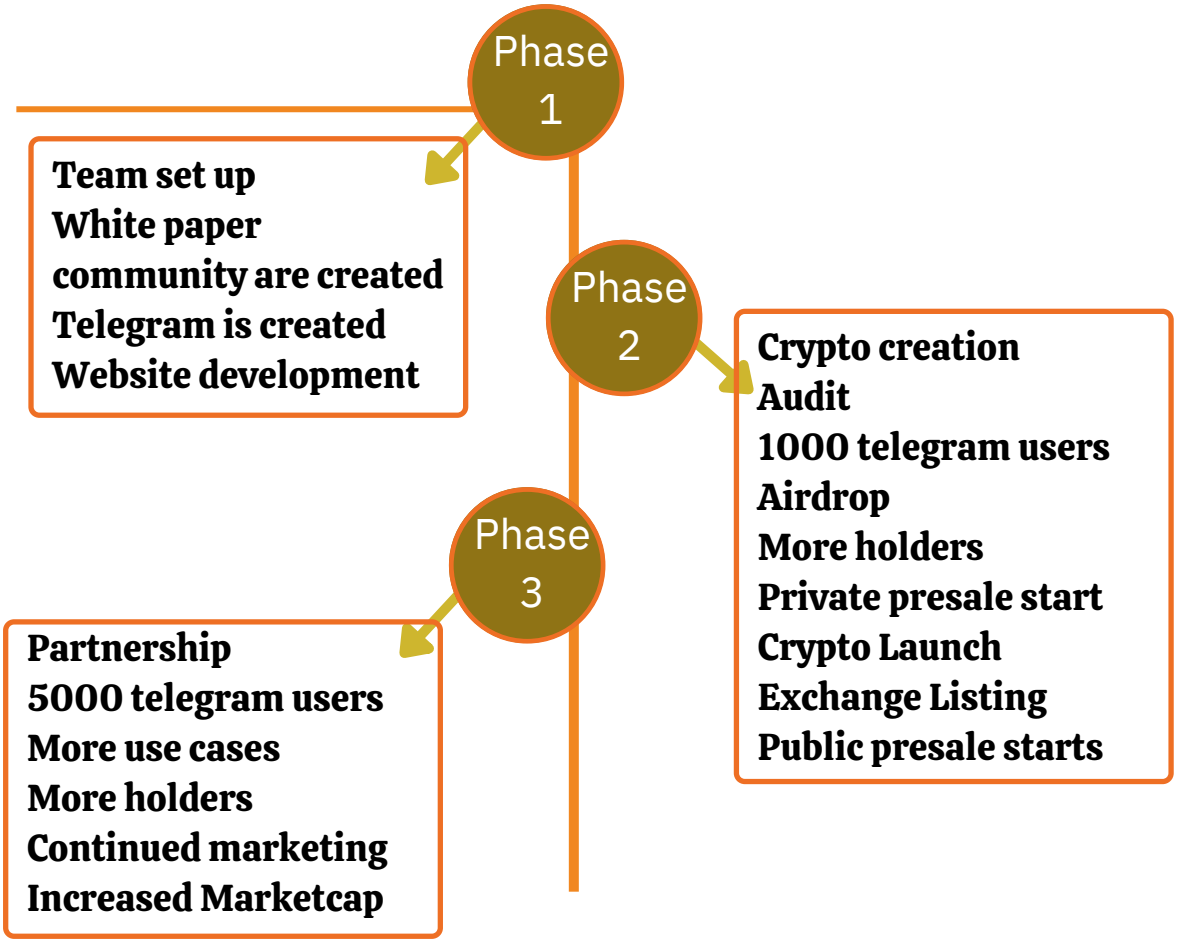
https://www.facebook.com/ProfessionalBidders Coin

https://twitter.com/PBC11637982

https://www.instagram.com/pbc009/


PBC
Private Presale 4%
Public Presale 3%
Crypto Launch 4%
Airdrop 1%
Marketing 40%
Partnership 5%
Liquidity pool 1%
Research & Development 42%
Private Presale
Public Presale
Crypto Launch
Airdrop
Marketing
Partnership
Liquidity pool
Research & Development

ROADMAP


Phase 1
Team set up
White paper
community are created
Telegram is created
Website development
Phase 2
Crypto creation
Audit
1000 telegram users
Airdrop
More holders
Private presale start
Crypto Launch
Exchange Listing
Public presale starts
Phase 3
Partnership
5000 telegram users
More use cases
More holders
Continued marketing
Increased Marketcap

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