

WHITEPAPER
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NUVATOKEN

YOUR TOKEN OF THE FUTURE



THIS WHITEPAPER IS A WORKING DOCUMENT
THAT IS SUBJECT TO REVIEW AND CHANGES

DISCLAIMER

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FOREWORD

The process of human evolution from a single world to a multiverse is an irreversible process that has started already. Just like humans needed torches to cook food, humans now need computers, the Internet of Things (IoT) and Artificial Intelligence (AI) to enter the Metaverse and the 'torch' for this fire is distributed ledger technology commonly known as the 'Blockchain'. The Blockchain is the key linking these new virtual worlds to the physical world and can help open the new worlds in the Metaverse.

How Meta Nuva can help us all to participate in this new era of freedom from the physical world is explained in this White Paper.



1. INTRODUCTION OF META NUVA

1.1 NUVA – GIFT OF GOD



Nuva means the gift of God. In the Meta Nuva project, Nuva, just like its original intention, represents a key to unlock the Metaverse.



In the Metaverse, users no longer deliberately distinguish between physical real existence and digital virtual existence. More importantly, the Metaverse creates a brand-new virtual connection between users and their family, friends, pets, favourite places and experiences.



As Shaan Puri said on Twitter, the Metaverse is not some virtual space, but the 'singularity' where our digital life is worth more to us in monetary terms than our physical life. This concurs with the digital world that Meta Nuva wants to build, and the key to measuring this value is to build its own ecosystem around Nuva Token.

1.2 META NUVA'S VISION AND MISSION



At present, there are many projects in the market around the concept of the Metaverse. However, most of these projects rely on games, such as the Sandbox and Decentraland. The problem they solve is how to enter the virtual world from the physical world, but they do not connect these virtual worlds to the physical world.



Meta Nuva not only has the applications such as NuvaGame that enter you into the virtual world, but also provides the bridge from the virtual world to the real world through applications in the fields of education, gaming, and e-commerce.

This is what the Metaverse should be, not just a virtual world, but a world in which the virtual and the physical are perfectly integrated.



To enable this Meta Nuva is building a huge ecosystem containing various applications, to break through the barriers between virtual and physical. People can seamlessly switch between the two worlds and all of us can easily enter a new era, Nuva Matrix, constructed by Meta Nuva.



Our mission is simple, to revolutionise the payment solution systems that the world is using today. We will do this through a future facing portfolio, core products and adjacent innovations that create new products and through transformational innovations. Adhering to our core values, morals and ethics are our ultimate priority.

2. METAVERSE AND DECENTRALISATION

2.1 PROBLEMS OF DECENTRALISATION



Decentralised system consciousness is 'bottom-up' control, which determines that most nodes in a decentralised system are very satisfied with the system whereas in centralised systems consciousness is top-down, and the underlying nodes have to face a lot of injustice. A decentralised system eliminates negative factors which are fostered and enabled in the central node, which can cause serious damage to the entire system. there are no concerns about one central node going wrong, which could lead to a situation where all data is corrupted or lost. A decentralised system is therefore free from manipulation by specific evils and decentralised system rules tend to be simple. To build a decentralised system, each node needs to be autonomous and allow the monomer to have its own ideas and rules. This ensures that the overall enforcement rules are simple and straightforward.



Decentralised systems tend to become bloated organisations.



This is because of the possibility to accommodate all nodes to each other (Bloat means wasting resources, for example, we humans need to complicate genes billions of times, and every cell stores a complete gene) Decentralised systems are certainly not optimal structures.



Decentralised systems mean inefficient evolution and optimisation.



This is because each node is autonomous and can have its own ideas and rules. If a certain rule is to be unified into an overall rule, all nodes need to agree, otherwise the entire system will be split. This can be very slow.



Decentralised systems are uncontrollable and unpredictable.



Decentralisation means that all nodes appear to be a mess of things. And there is no specific external force to interfere with the development of the system, even if it interferes, it is impossible for you to accurately obtain the direction of future development.

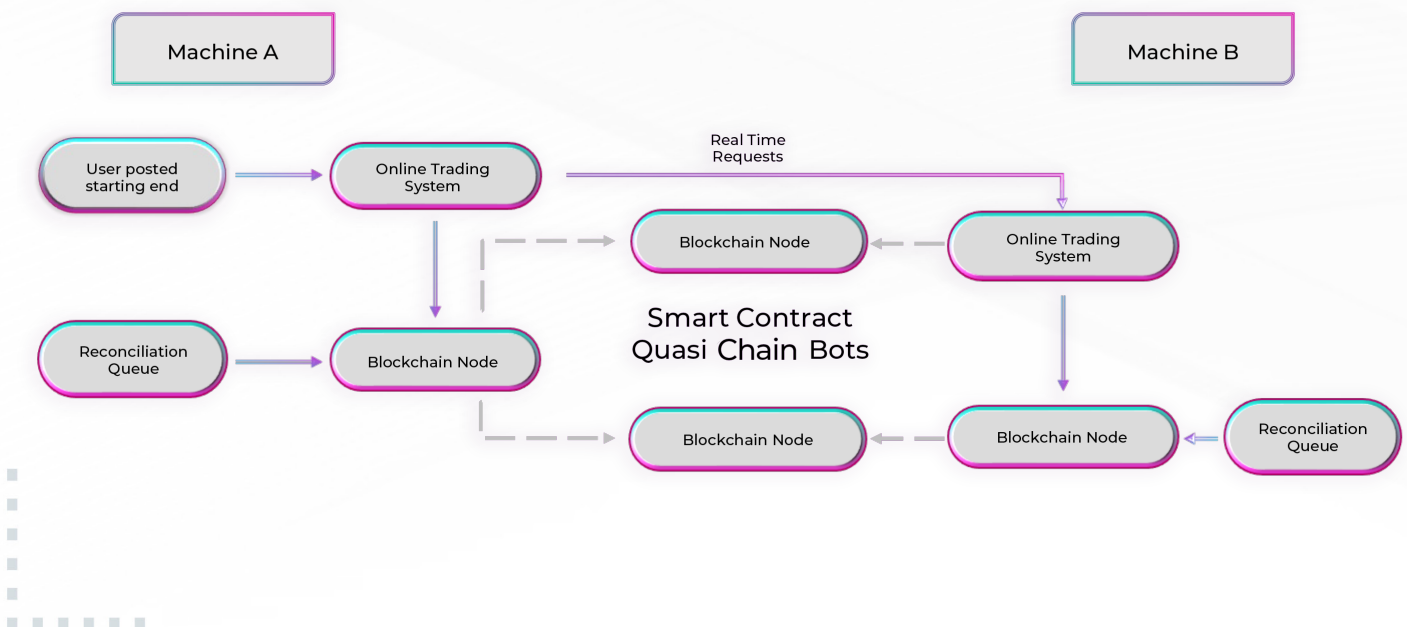
2.2 DIFFERENCE BETWEEN METAVERSE AND GAMES



Virtual Reality (VR) games are just the beginning of Metaverse content. Autonomy is one of the six characteristics of the Metaverse and one of the essential differences between the Metaverse and game content hosted online. At present, the plots of most games on the market are set and produced in advance by game developers, the Metaverse transforms users from content users to content producers, giving users greater power and autonomy. The Metaverse unites the virtual world and the player community into a society, such that the behaviour of users will have an impact on the development of the community. In addition, the Metaverse gives users 'seigniorage', which is the right to mint their own 'currency' called a 'token'.



In traditional games the game identity and the existence of game assets are not determined by the user, but by the centralised operation platform. However, because the metaverse is 'decentralised', the assets are created and owned by users in the Metaverse and hence truly belong to the users themselves.



2.3 SOLUTIONS FROM Meta Nuva – NUVA MATRIX



Meta Nuva is committed to building a crypto-asset-based ecosystem in the Metaverse. In this ecosystem, users will also be creators of the entire ecosystem, and this will enable the ecosystem to achieve the above-mentioned decentralised autonomy. However, the issue is that the current bloated decentralised world does not have a unified entrance. Community members need to go to different ecosystems, different chains for transactions, digital asset creation, and games. In Meta Nuva ecosystem, the system provides community members with a unified entrance, and we call this ecosystem Nuva Matrix.



It is for this reason that you will see that our logo has two tones, one represents Meta and the other is Matrix.

In this Matrix, community members can find reliable projects for trading through exchanges, learn about fintech, Blockchain and AI through education, and sell their idle digital assets through e commerce. Overall, the Meta Nuva ecosystem is a whole new universe with a real part and a virtual part. In this Matrix users can exchange crypto assets, especially Nuva Tokens, for services and goods. Community members can, not only meet their own needs in this ecosystem, but also empower and create value for the ecosystem. This value will reflect in the price of Nuva Token itself, allowing users to benefit from its changes in value.



In this way, you can break through the barriers between the real world and the virtual world and Meta Nuva lets your digital assets communicate with each other in both worlds. This will be the singularity of entering the Nuva Matrix.

3 Meta Nuva ECOSYSTEM - NUVA MATRIX

3.1 NUVA TOKEN

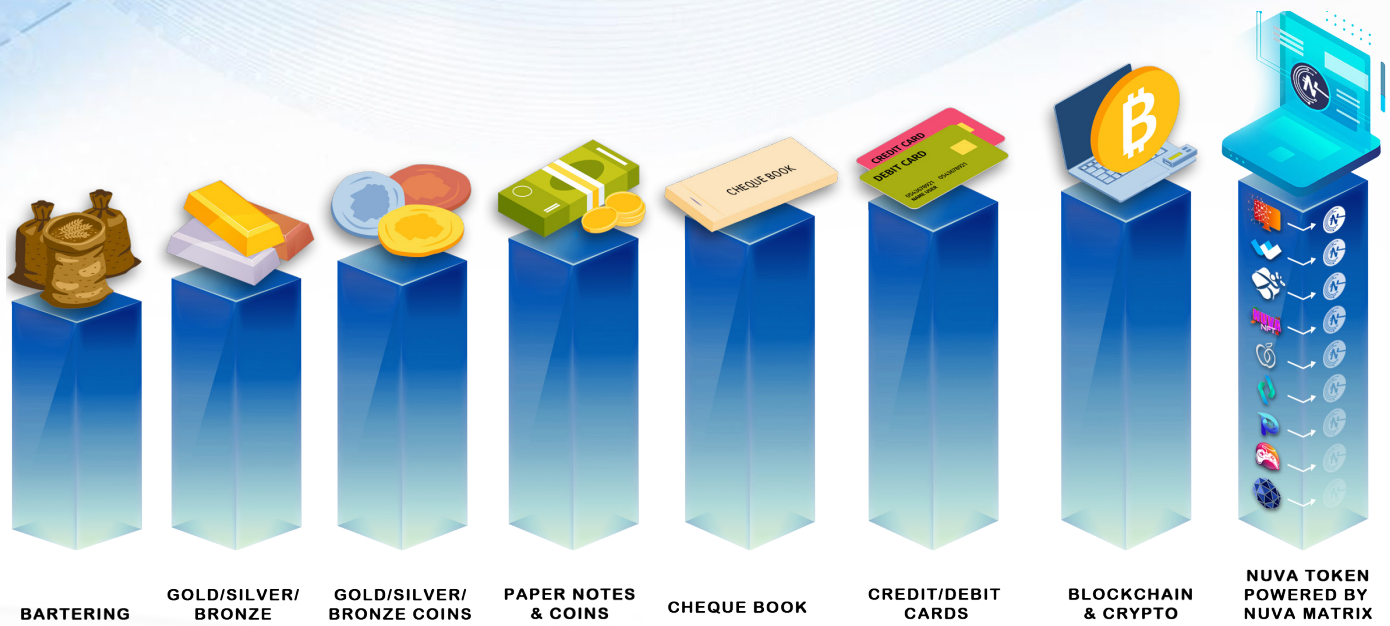


Nuva Token is the lifeblood of the entire ecosystem and the medium of value transmission. It is not only an incentive to maintain the operation of the community, but also used to exchange various goods and services provided in Nuva Matrix.



After the emergence of the blockchain, fintech seems to have reached a new level. All kinds of new banking applications and payment company applications have emerged in an endless stream. However, they have not solved a fundamental problem, that is, users funds must be accumulated/transacted via authorised and regulated third parties. If there is any risk to this third party, it will cause users funds to be at risk. Thanks to the decentralisation of the blockchain, users can store their own digital assets on their own smart devices. These digital assets do not need to rely on any third party, and the operating cost is greatly reduced through the decentralised operation method.

EVOLUTION OF MONEY



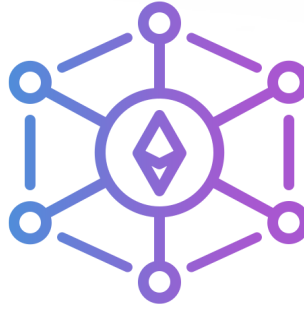
Nuva Token is one of this type of digital assets however, unlike most blockchain projects, Nuva Token is not only used in one application, but circulated in the Nuva Matrix ecosystem and the entire metaverse. Unique conditions have been created for Meta Nuva to become the 'general equivalent' of the new generation. At the same time, based on the advantages of Meta Nuva's community, most Nuva Tokens will be used as community incentives for users to obtain which is more in line with the requirements of Green Finance than the high-energy cost of mining Bitcoin and Ethereum.



Nuva Token is a cross-chain, smart token with a total supply of 210 million. It will be issued on the ETH main network and its hard fork chain BSC, which will be distributed by 50% each of ERC20 and BEP20. The remaining 50% is locked with 2% released per calendar month. The liquidity is locked until 100% of Nuva Tokens are fully circulated.

Nuva Token consists of two phases:

THE FIRST STAGE:



We will use the community to vote on whether another network (or networks) is needed and if so, burn some tokens on the existing networks and then mint the same amount in another network such as Solana. This is consistent with Meta Nuva's desire to be a bridge to the Metaverse, because we are committed to breaking down the barriers of each multiverse.

THE SECOND STAGE:



Meta Nuva will develop its own public chain and map some of the tokens (determined by community through user bidding) to its public chain.



3.2 NUVA SWAP



NuvaSwap also has its own unique characteristics and will link UniSwap and PancakeSwap to share the depth of both.

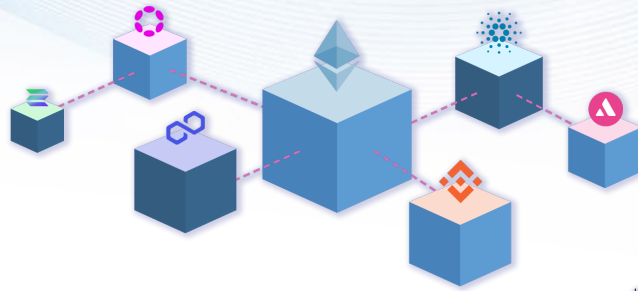
	UNISWAP (UNI)	PANCAKESWAP (CAKE)	NUVASWAP
BLOCKCHAIN PROTOCOL	ETHEREUM	BINANCE SMART CHAIN	ETHEREUM & BINANCE SMART CHAIN BRIDGE
TOKEN TYPE	GOVERNANCE	NATIVE	GOVERNANCE + INITIAL DEX OFFERING (IDO) LAUNCH PAD
CONSENSUS METHOD	PROOF-OF-WORK (POW)	DELEGATED PROOF-OF-STAKE (POS) AND PROOF-OF-AUTHORITY (POA)	POW, DPOS AND POA
LIQUIDITY MINING/ YIELD FARMING	N/A	YES	DECENTRALISED LIGHT POOL



There are three key features of NuvaSwap



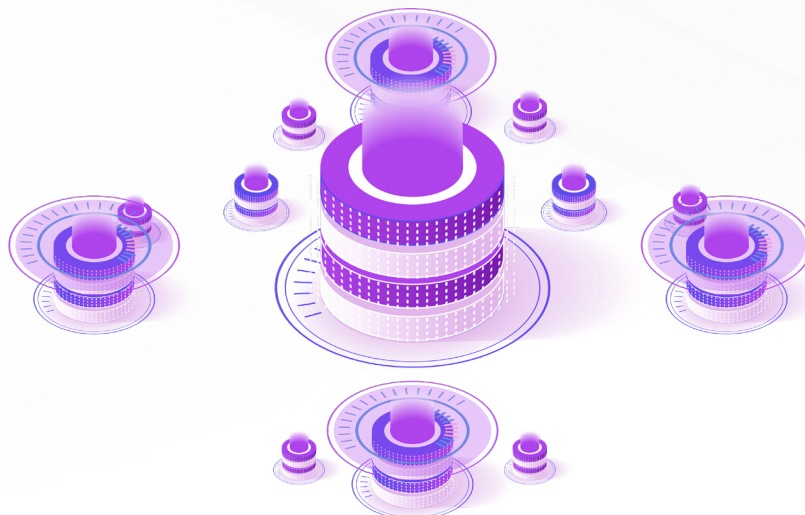
I. BRIDGE



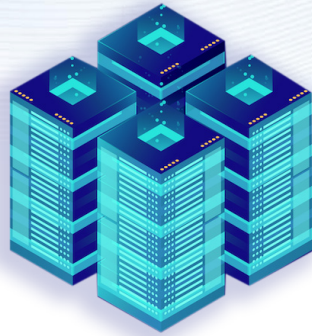
Bridge is a popular cross-chain technology at present because Bridge provides the possibility of transactions between different chains whereas historically different chains could not communicate with each other. For example, where the original token is based on ETH and users want to conduct transactions on BSC then we need a system that allows users to transfer data (e.g. digital asset ownership information) between two chains in the Ethereum ecosystem.



The Meta Nuva bridge provides fast and secure connections between blockchains, creating scalability and connection - interoperability - between Ethereum networks. This is also consistent with Meta Nuva's vision, which is to break into the multiverse to achieve interoperability.



II. IDO LAUNCH PAD



Initial Dex Offerings, or IDOs, are tokens that represent any type of asset hosted on a Decentralised Exchange (DEX) — an IDO is when a project launches a token through a decentralised liquidity exchange. Unlike other Swap platforms, if you want to list your token on the NuvaSwap platform, in addition to providing the necessary liquidity, it also needs to comply with our IDO Launch Pad, that is, users who have Meta Nuva vote decide whether it can be listed on the NuvaSwap platform.



III. DECENTRALISED LIGHT POOL



Light Pool is Over-The-Counter (OTC) but the price of pending orders is transparent, which is also in line with the logic of DEX. However, the problem with many Swaps is the lack of liquidity, even on a major token. To solve this problem, some platforms such as PancakeSwap and SushiSwap have launched a series of measures such as Liquidity Mining and Yield Farming.



However, these measures also lead to some problems, when the number of participants increases, the marginal effect is diminishing, so the benefit that each person can derive decreases as the number of participants increases.

Meta Nuva will directly improve the OTC mechanism of Dark Pool in the traditional financial system. Due to the transparency of the transaction, we will provide an automatic lock-up option for every transaction over \$1,000, so we call it 'Light Pool'.



3.3 NUVA NON-FUNGIBLE TOKENS (NFTS)



Unlike many NFT trading platforms, Nuva NFT will collaborate with professional artists. Since most of the users on Opensea are creating NFTs themselves, this leaves some works with only operational value, ignoring their use value and collection value. In the metaverse, NFTs are likely to be used by users as their digital identity in the metaverse.



Therefore, we need not only User Generated Content (UGC), but also Professionally Generated Content (PGC), which some traditional users will collect. This will invisibly improve the quality of the works on our platform. In the next 5 years, we will also launch Artificial Intelligence Generated Content (AIGC) services. This will attract many users who have ideas but suffer from a lack of technical ability.



USER GENERATED CONTENT (UGC)



The main body of UGC is the content created by general users, that is, general users of a certain platform. The concept originated from the social media platforms and reflects a relationship between the users and the platform.

PROFESSIONALLY GENERATED CONTENT (PGC)

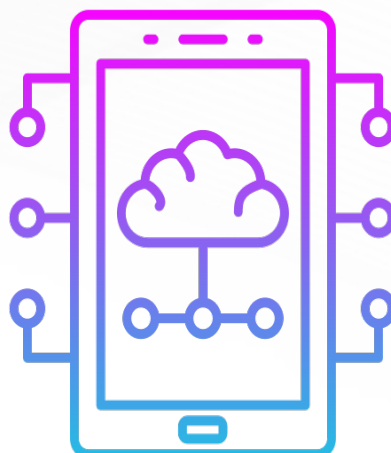


The creators of PGC are public opinion leaders with professional knowledge, qualifications in content-related fields, and authority. If the UGC is seen to be a general user, then the PGC is a professional user. This is the difference between PGC & UGC.

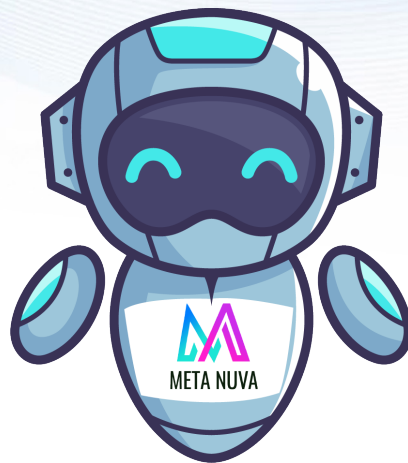
ARTIFICIAL INTELLIGENCE GENERATED CONTENT (AIGC)



With the development and improvement of AI technology, its rich knowledge graph, self-generation, and emergent features will bring unprecedented help to users. This will improve the self-creation of content, which is embodied in helping users improve the efficiency of content production and enrich content



3.4 NUVA TRADINGBOTS



The essence of TradingBots is to have an intelligent trading programme. The software automatically reads historical data such as time, price, trading volume, and open interest according to present trading rules and trading judgment algorithms, and judges whether to trade. If the market data meets the trading judgment algorithm, it will place an order to open a position. When it detects that the market data meets the closing conditions, it will automatically close the position.



TradingBots will also automatically count the transaction time, transaction amount, final profit level, number of times of profit, number of losses, transaction success rate and more. Based on this data, Machine Learning (ML) capabilities further improve the model parameters through supervised learning and reinforcement learning.



Supervised Learning (SL) is a method in machine learning that learns or establishes a pattern (function/learning model) from training data, and infers new instances based on this pattern. Training data consists of input objects (usually vectors) and expected outputs. Reinforcement Learning (RL) is one of the paradigms and methodologies of machine learning, which is used to describe and solve problems in which agents learn strategies to maximise rewards or achieve specific goals in the process of interacting with the environment.

3.5 NUVA LEARN



NUVA LEARN
KNOWLEDGE IS POWER

In today's society educational provision in various colleges and universities is lagging behind the current and future requirements of technological advancements. Today, when concepts such as blockchain, metaverse, and VR/AI are prevalent, schools still only teach traditional courses, and there are no courses about these new trends. Meta Nuva aims to provide educational links to fill this gap. In Nuva Education's system, not only are traditional courses such as Finance, Economic & Trading taught but also fintech and blockchain-related courses too. The course fees provided by Nuva Education are relatively low and if you recommend friends to join Nuva Education courses, you will receive percentage rebates according to the number of people who are referred. Online learning is a smart choice and on successful completion of their studies, community members receive a certificate.



Each course is also divided into beginner, advanced and professional levels, suitable for people of all levels to learn.

3.6 NUVA PAY



Whilst there is continued diversification of payment methods in many developed countries across the globe, payment in developing nations is still via very traditional methods such as cash and card payments. The payment system launched by Meta Nuva can make scanning QR code payments a reality by implanting the scanning code system on the standard in-shop consumer facing point of sale ('POS') machine.



Therefore, the payment and reception of standard fiat currencies together with digital currencies can be realised. This will greatly improve the convenience and flexibility of payments. The POS machines can generate their own QR codes to support digital currency payments, and consumers can scan them with their smartphones to make payments.



In the context of the rapid development of blockchain technology, the influence of digital currency is constantly increasing. Many large companies such as Starbucks have participated in the testing of digital currency payment applications. In the future, payment with digital currency will become a standard form of payment.



According to recent news, Apple is also working on an update that will transform its iPhone into a payment terminal, enabling users to accept payments with the tap of a card.



Meta Nuva is offering a transparent, native token that is unique to Meta Nuva and its users will be able to create value by using the ecosystem. Buyers, sellers and holders of the token can participate in the Nuva Token incentive which will reward and incentivise them.



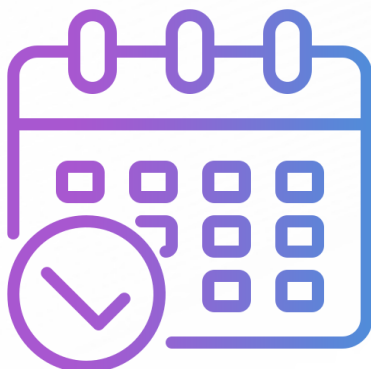
Merchants using Point of Sale (POS) machines can earn Nuva Token rewards based on sales volumes. In addition, Nuva's POS machine can enable the owner to receive Nuva Tokens based on the number of transactions per day on the POS machine.



3.7 NUVA FOUNDATION



In Nuva Foundation, we believe that children are the future and have a mission to help orphans by finding them loving homes as well as giving families a reason to smile. Our charity's mission is "all children deserve to live in safe, nurturing homes where they can feel valued and loved".



3.8 NUVA WALLET (DECENTRALISED/NON-CUSTODIAL WALLET)



Nuva Wallet is a multi-chain decentralised wallet and an important part of the Nuva Matrix. Centralised wallets have private keys which are in the hands of third-party service providers, Nuva Wallet is a decentralised wallet with private keys which are kept by users themselves, assets are stored on the blockchain, and users are the real holders of their digital currency.



It supports ETH, BTC and many other currencies and it can also achieve secure transactions with the help of blockchain smart contracts, 24 hours a day 7 days a week. The Swap function is not generally available in other decentralised wallets.



The private key is securely stored locally, the assets are clear and information is easy to find and access. Other features include assets being easy to import and export and multi-signature anti-theft. Nuva Wallet will become your trusted wallet which allows you to safely secure your assets in the Nuva Matrix.

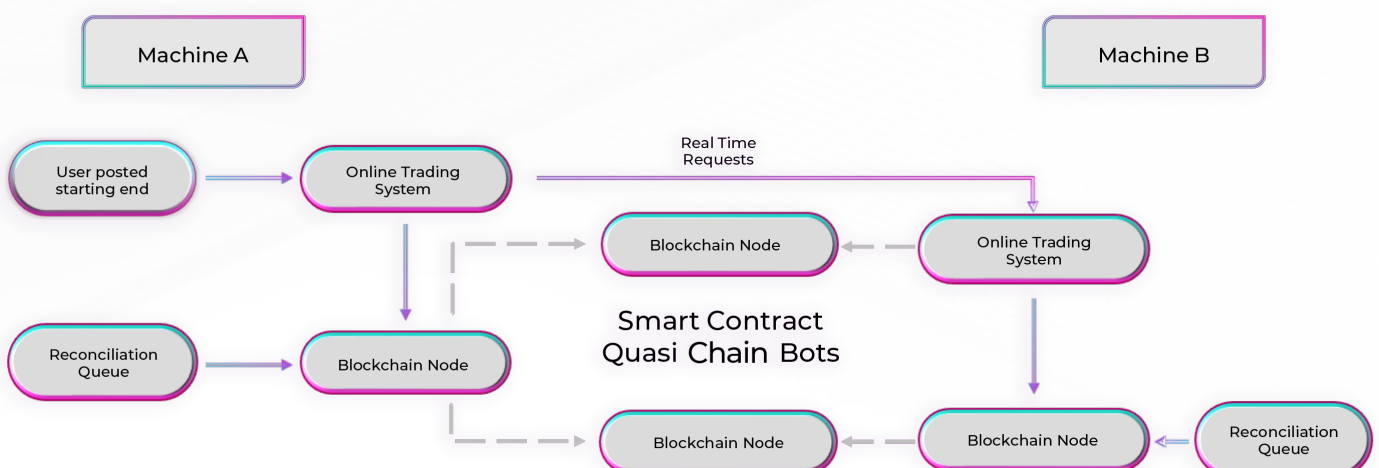


3.9 NUVA EXCHANGE



The mission of Nuva Exchange is to create the best platform for investors to invest, trade and integrate traditional financial products, such as stocks and commodities, forex and a wide variety of Contract for Differences (CFDs), into a unified platform. Nuva Exchange will meet regulatory compliance needs for security, auditing, reporting, analytics and more in a safe and efficient way.

To be able to meet this demand, Nuva Exchange provides a set of Nuva Matrix-specific blockchain based clearing and settlement system. Meta Nuva has achieved a huge breakthrough in technology in the development of this while integrating the liquidity of multi platform and multi-category.



3.10 NUVA GAMES



Nuva Games aims to create a virtual world that is very similar to the real world. NuvaGame has sponsored the nuva e-sport team of PlayerUnknown's Battleground (PUBG) – an online multi-player game scenario). NuvaGame wants to get rid of the constraints of the App Store and create a new Nuva Matrix ecosystem based on a large number of traditional game players.



For example, Nuva Games will launch a skin design competition for PUBG characters and firearms in the later stage and turn them into NFTs for auction in Nuva NFT. Such a multi-ecological linkage is the metaverse that Meta Nuva intends to build and will also launch platform-level applications like Decentraland and The Sandbox.






Meanwhile, the virtual world created by Nuva Games will place great emphasis on the application of digital assets including NFTs, and the application of Nuva Token will be integrated into all game scenarios.

3.11 NUVA MARKET – ECOMMERCE






Nuva Market combines blockchain, digital currency, payment solutions, health and wellness and merchandise. If users log in with their Meta Nuva account, they can achieve many functions including uploading items and online transactions without going through complicated store opening procedures. Using the new concept of Nuva Market, individual sellers can gain three major advantages:

-  **MORE EXPOSURE**
-  **MORE EFFICIENT DISTRIBUTION PATHS**
-  **MORE ADVANTAGEOUS LOGISTICS PRICES**



The most important thing is that Nuva Market's model is social e-commerce, you can invite friends to join orders to get more discounts, etc. This is completely different from Amazon and eBay, which have a cumbersome review mechanism and high commissions are charged. The essential value of social networking for e-commerce for merchants and platforms is to:



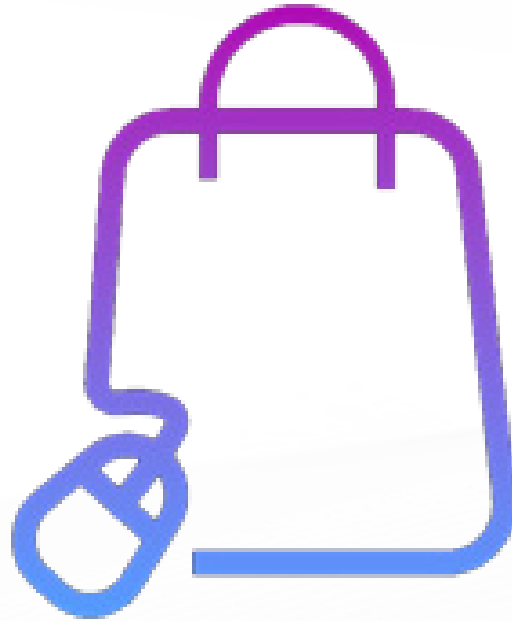
-  **OBTAIN TRAFFIC AND REDUCE COSTS**
-  **REDUCE THE PROMOTION COST OF BRANDS OR STORES TO CONSUMERS**
-  **OBTAIN LOW-COST COMMUNICATION AND LOW-COST CHANNELS**



In a Metaverse era, new technologies such as Augmented Reality (AR)/Virtual Reality (VR)/ Mixed Reality (MR) can help merchants realise multi-sensory interaction such as audio-visual and even touch, and immerse them into the traditional online shopping experience. Nuva Market's VR shopping feature utilises a computer graphics system and auxiliary sensors to generate an interactive 3D shopping environment.



3.12 NUVA MERCHANDISE



The establishment of Nuva Merchandise aims at advocating a refined and elegant life concept, championing stylishness and an enviable life attitude, and is committed to improving the 'chicness' of global consumers. Therefore, in addition to its diverse portfolio of companies, Meta Nuva has also developed its own branded merchandise.



Meta Nuva's own brand will launch several genuine brand specials from time to time and create the greatest value for users through deep discounts. The deep discounts paid by Nuva Token and the fun-filled limited-time snap-up model provide consumers with a one-stop high-quality shopping experience.





At the same time, Meta Nuva will establish a platform with consumers' quality needs at its core and launch a series of measures such as "Meta Nuva Authenticity Guarantee", and build a complete set of blockchain-based products including "global direct procurement + commodity inspection + logistics". Meta Nuva provides a closed-loop and traceable genuine product guarantee system of traceability + online and offline linkage + genuine product insurance + after-sales".



Meta Nuva strictly examines the qualifications of suppliers and five certificates such as business licenses, product inspection reports and brand authorisation documents are critical. Meta Nuva breaks away from the norm by making the products sold from the brand side, agents, brand branches, formal channel purchase agreements and strategic genuine product purchase agreements into NFT records on the blockchain for users to query



3.13 NUVA COMPARRASSANT



The original idea of comparison shopping was to provide consumers with comparisons in terms of commodity prices, website reputation, and shopping convenience from various online retail websites. Comparison-shopping websites have many functions and not just to provide convenience for online consumers, they were also developed to provide opportunities for promoting products and online sales. Nuva Comparrassant is nouvelle in itself and is a comprehensive price comparison platform for the Crypto Market.



Whilst sites like coinmarketcap ('CMC') already offer this kind of service Nuva Comparrassant has two key differentiators:



- Convenient purchase portal: Unlike CMC, which has been acquired by Binance, and now has its purchase entrance diverted to Binance to purchase the currency, the business logic of Nuva Comparrassant is exchange agnostic, because Meta Nuva has opened institutional accounts in major exchanges. The user does not need to register with multiple different APP applications, all you need to do is to register as a Meta Nuva user and use this account to enable trading on major exchanges.



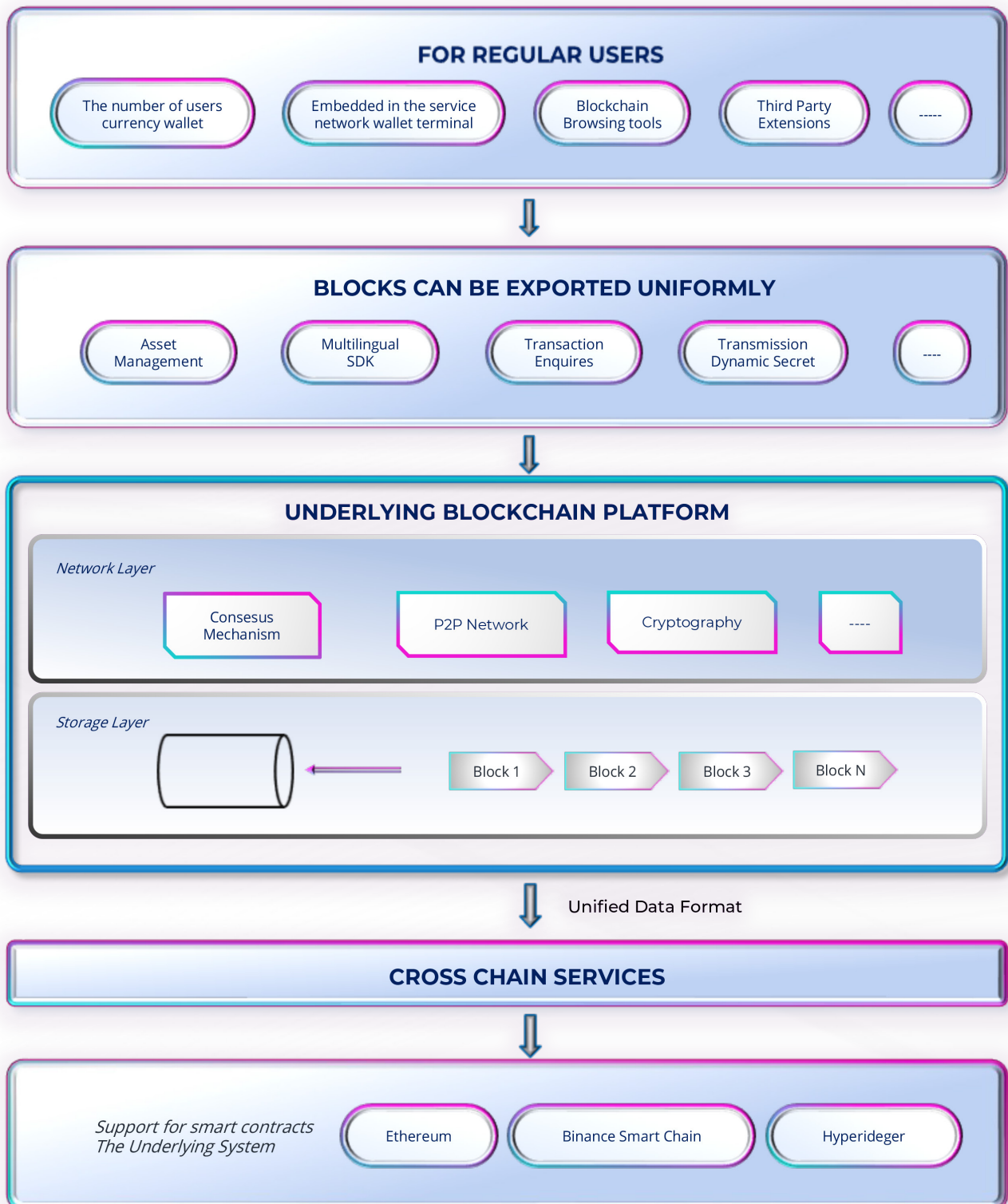
- Rich products combination: Nuva Comparrassant will not only provide a comparison of Crypto prices, but also a comparison of yields for staking, yielding and mining. The purpose of this is to make Nuva Comparrassant a true diverse platform.

4. TECHNOLOGY ARCHITECTURE

In order to realise the Nuva Matrix ecosystem, we need to develop brand new blockchain architecture to support our ecosystem operation.

4.1 OVERALL ARCHITECTURE DESIGN

SYSTEM ARCHITECTURE





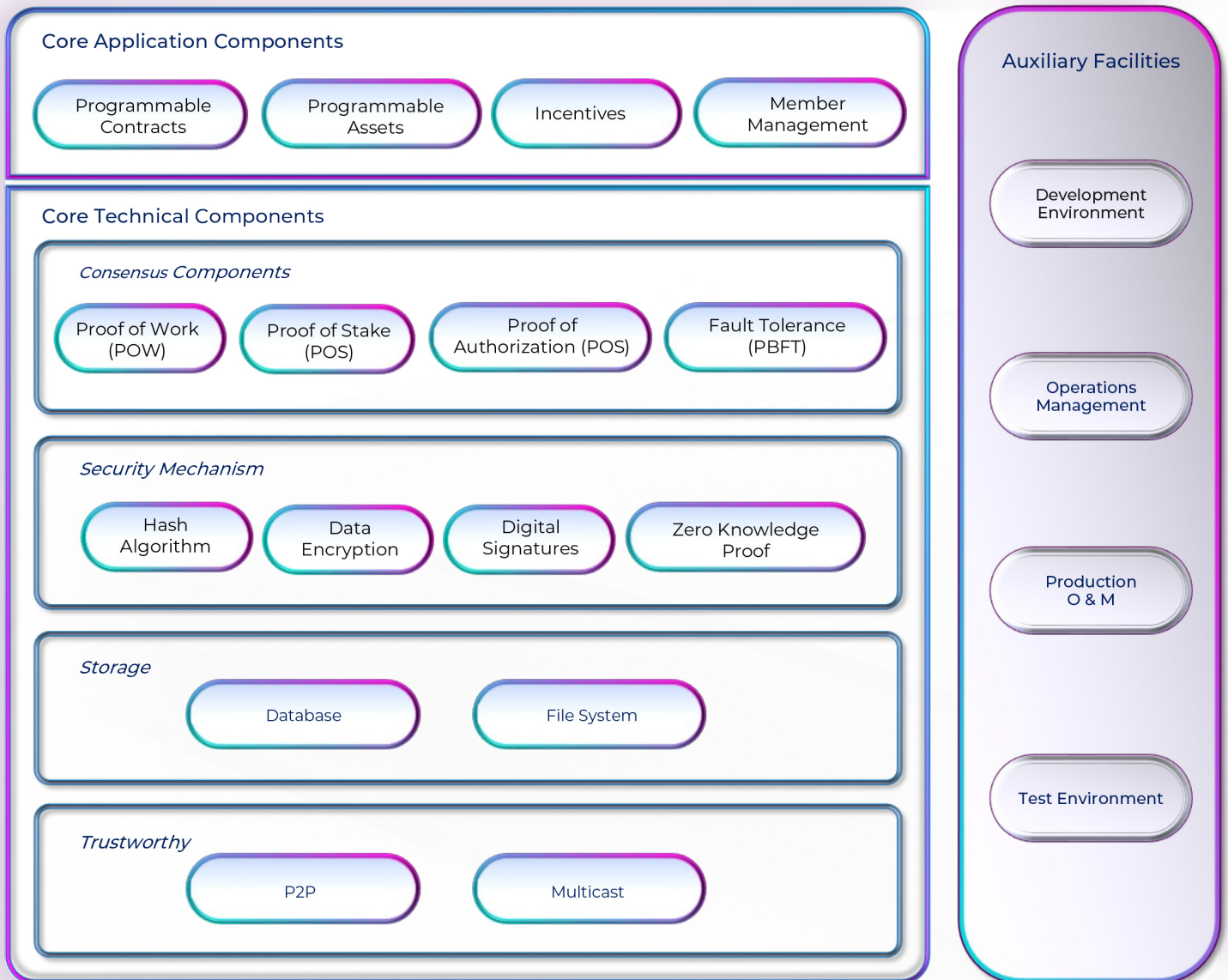
For normal users, the system provides Software Development Kits (SDKs) in multiple languages. Through the encryption processing and request settings of the interface in the SDK, users can directly connect to the block nodes by accessing the SDK. In addition, we also provide a variety of terminal devices, including digital wallets, third-party extensions, etc., embedded with support for our SDK, which directly connects to our cloud block nodes.



As the unified synchronisation exit of our system, the block node not only saves asset data, transfer records. but will also encrypt the data during transmission to ensure the security of the data. In the underlying platform of the system blockchain, we use the consensus mechanism of Proof of Work and Proof of Stake (POW and POS) to ensure a response speed and the security of the system. All asset data, address data and transaction data is encrypted for further security. For different chains, we provide a cross-chain transmission mechanism for mainstream public chains to ensure the liquidity and universal value of the Nuva Token.



4.2 THE UNDERLYING TECHNICAL ARCHITECTURE



INSIGHT INTO HOW THE DIFFERENT CONSENSUS MODELS WORK



The so-called consensus refers to the process in which nodes participating in multiple parties reach an agreement on certain data, behaviours or processes through the interaction of multiple nodes under pre-set rules. Consensus mechanism refers to the algorithms, protocols and rules that define the consensus process. The consensus mechanism of the blockchain has the characteristics of “minority obeys the majority” and “everyone is equal”. However, “minority obeys the majority” does not only refer to the number of nodes, but also the computing power i.e. the number of shares or other computers that can be compared. The term “everyone is equal” means that when a node meets the conditions, all nodes have the right to give priority to the consensus result, which may become the final consensus result after being directly recognised by other nodes. The blockchain system needs to support a pluggable consensus mechanism, allowing users to select suitable consensus algorithms in different application scenarios. Currently, the consensus algorithms commonly used in the industry include POW, POS, DPOS and Practical Byzantine Fault Tolerance (PBFT). The workload proof mechanism guesses a random value by calculating to solve the specified hash calculation problem to obtain the accounting right.

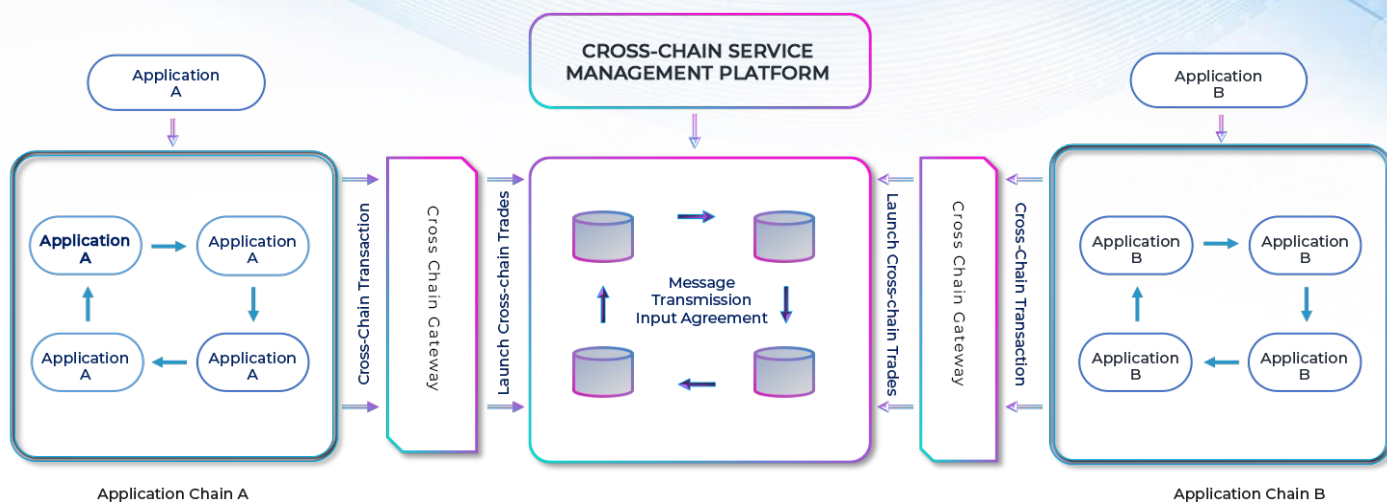


The POS mechanism was proposed in 2011 by a digital currency enthusiast named Quantum Mechanic in the Bitcoin Talk forum. Unlike POW, the acquisition of accounting rights is mainly through computing power competition, that is, the greater the computing power provided by the node, the greater the probability of successfully mining blocks to obtain income, and the acquisition of POS accounting rights depends on the node’s assets. In addition, POS also draws on the Byzantine fault-tolerant algorithm.



The DPOS mechanism is based on the POS algorithm, which enables everyone to choose someone who can represent their own interests to participate in the battle for the right to bookkeeping, so that multiple minority shareholders can vote to elect their own proxies to protect their own interests.

4.3 CROSS-CHAIN TRANSMISSION



APPLICATION CHAIN:



This is a block network responsible for specific business logic. There are two main types, isomorphic application chain and heterogeneous application chain.

Isomorphic application chain refers to having similar block and transaction storage data formats and having the same security algorithm and consensus logic. Heterogeneous application chain refers to the blockchain with different block storage structure, security algorithm and consensus logic.

TRANSACTION TRANSMISSION MODULE:



This is the central part of the system, the main functions include: message verification; persistence and routing. Using plug-in consensus, Hyperchain's RBFT, POS, Polkadot's GHOST-based Recursive Ancestor Deriving Prefix Agreement (GRANDPA), AVA (the native token of Travalac.com), Algorand, Cosmos' Tendermint and other consensus algorithms are connected as plug-ins, and dynamically switched according to application chain requirements.

CROSS-CHAIN GATEWAY:



This is an independent system located in the application chain and message transmission module, mainly responsible for the collection of cross-chain transactions and the forwarding of face-to-face transactions. The cross-chain gateway can not only be applied between the application chain and the transaction transmission module, but also can realise cross-chain transactions through the P2P ad hoc network.

CROSS-CHAIN SERVICE MANAGEMENT PLATFORM:

It mainly provides the following functions:



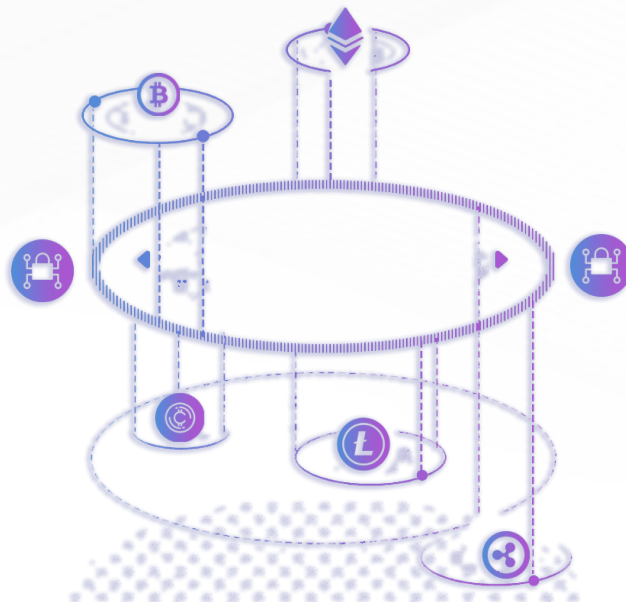
Cross-chain member management (approval of application chains);



Cross-chain interface management (enquiring transaction status, enquiring whether the target blockchain is online, providing access to cross-chain contracts related to access) Template interface); and



Cross-chain system operation and maintenance (use monitoring tools to monitor system conditions in real time, and display cross-chain transaction graphs in real time).

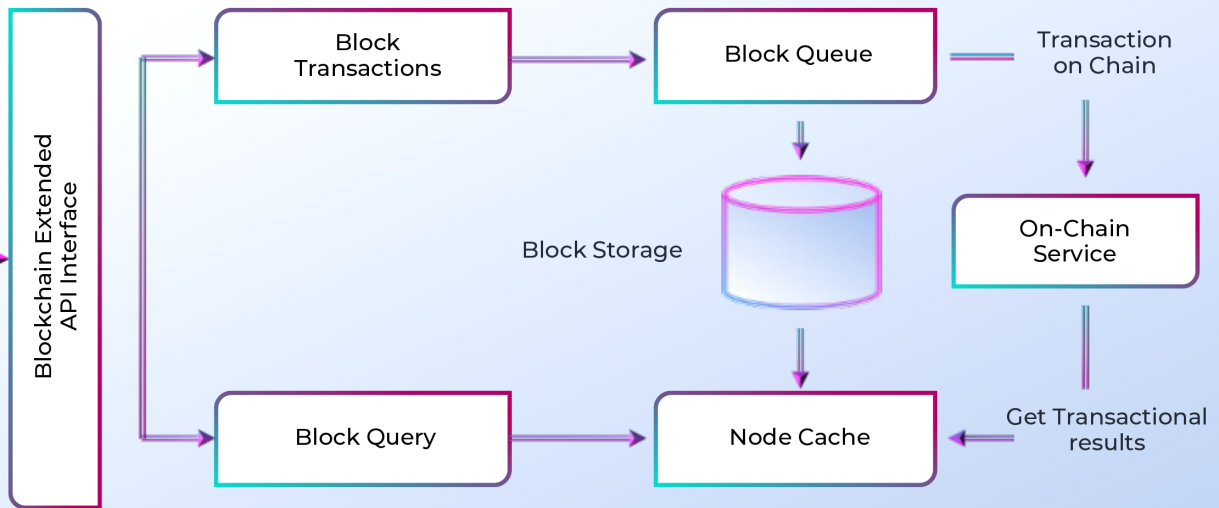


4.4 ACCESS FOR TRADITIONAL INDUSTRIES

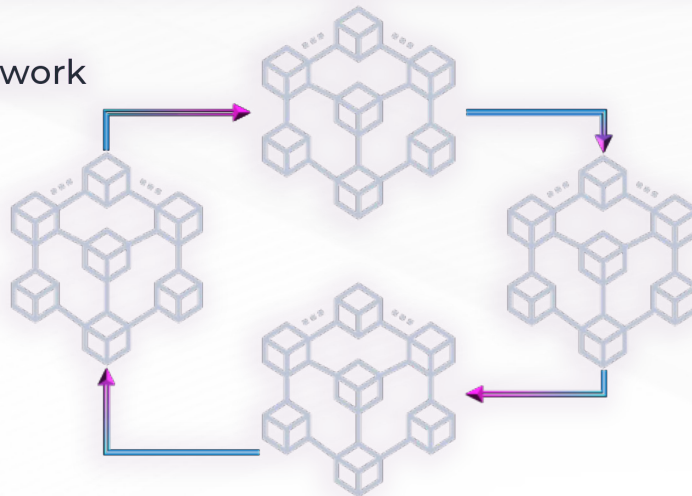
For fast access to industries such as games and e-commerce, we provide a relatively complete set of solutions, that is, to ensure fast access to services, decentralised data security, and block response speed.

USER BUSINESS SIDE

A Single Block Code



Blockchain Network



In addition to the traditional blockchain technology, the system also adds new requirements for the business organisation. These are to facilitate the traditional business organisation connect with the blockchain technology and include the following:



FOR THE IMPROVEMENT OF TRANSACTION SPEED:

In the case that the blockchain network transaction is relatively slow, we adopt the mechanism of asynchronous confirmation and asynchronous return. That is to add some message queue mechanisms. When a user initiates a blockchain transaction, we first lock the current asset data, then send the transaction information to the transaction queue, and then return the message that the transaction was successfully queued, and then return it to the user. In the chain service, the content in the message queue is gradually consumed.



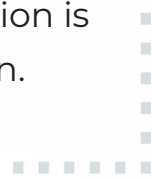
FOR THE IMPROVEMENT OF QUERY SPEED:

For the current block node transaction, a cache mechanism is added in the system to facilitate users to query the user's transaction information. For the address blocks with frequent user transactions, the transaction information will be cached in advance to improve the user's transaction information query speed.



TO MANAGE THE OCCURRENCE OF POWER FAILURE, NETWORK DISCONNECTION ETC.:

The system also provides a storage persistence mechanism under the condition of ensuring data consistency. When the abnormal situation is eliminated, the original block information will be restored again.



5. NUVA TOKEN



A utility token where users will create value through the usability of the token within the Nuva ecosystem. Buyers, sellers and hodlers can participate in the Nuva Token incentives for which they are rewarded and incentivised.



We are a globally diverse team of visionaries with vast experience in the marketing, education, blockchain, fintech and financial industries. With collective experience of 200+ years, we excel in innovation and disruption in our respective industries and are committed to promoting equality in all we do.



To revolutionise the payment solution systems that the world is using today, whilst providing longevity, transparency and delivering results that are sustainable. Adhering to our values, morals and ethics are our ultimate priority.



In short, if you engage with any part of our ecosystem we are committed providing a safer, more stable and brighter tomorrow.





JOIN NUVA TOKEN AIRDROP

Requirements to join Meta Nuva's 1 Million, Nuva Token Airdrop



Follow us on Twitter – @NuvaCommunity



Tweet and Retweet – #NuvaCommunity



Join our Telegram Group – Meta Nuva Community



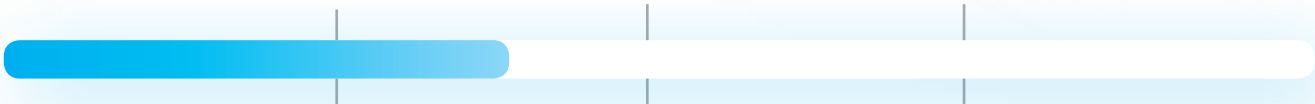
NUVA TOKEN LAUNCH JOURNEY

PRE-SALE

ICO

AIRDROP

LAUNCH



5.1 TOKEN SALE

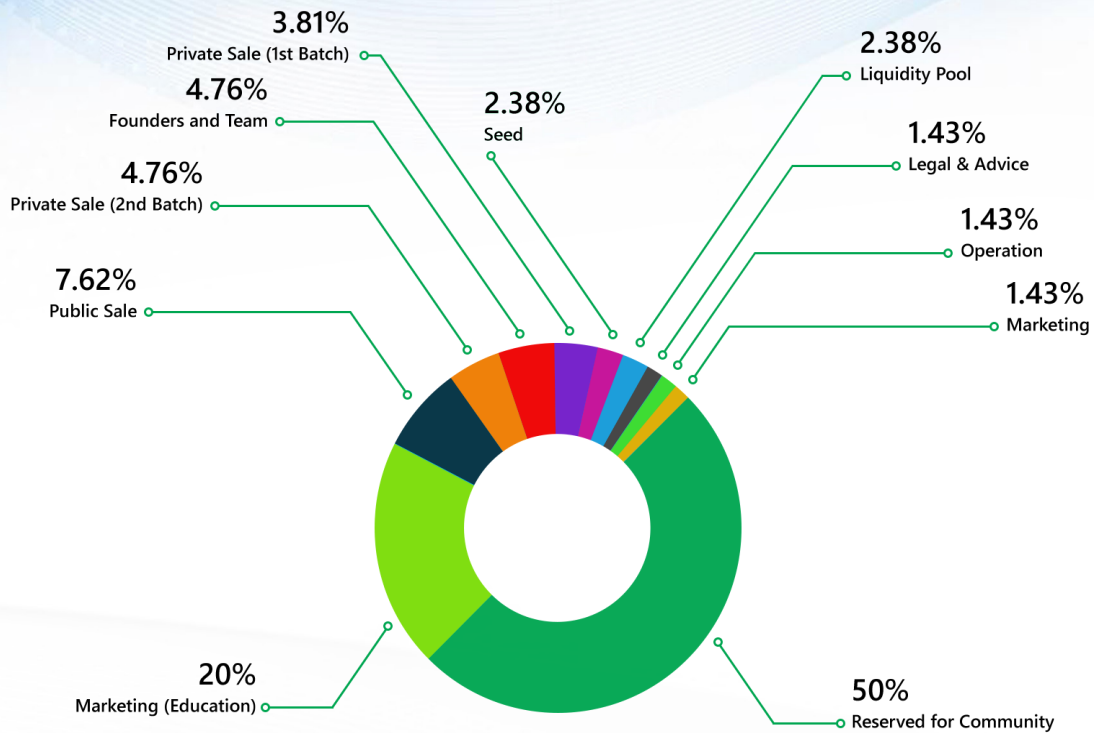
Nuva Token is split equally with 50% on Ethereum (ERC-20) and 50% on Binance Smart Chain (BEP-20) and fully complies with (ERC-20) standards.

Total Supply of Nuva Token is 210 million and Circulation Supply is 105 million (50% Total Supply). The other 50% Total Supply of Nuva Token (105 million) are locked with 2% released per calendar month, starting 4 months after the launch.



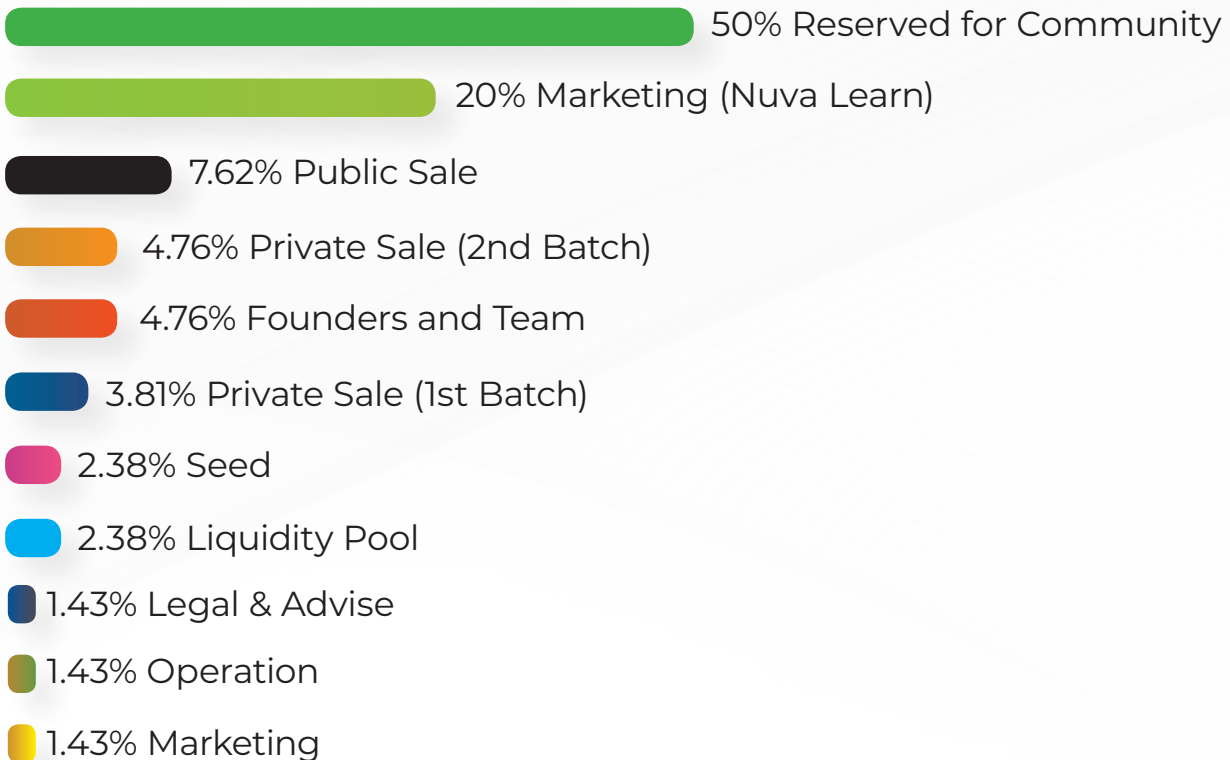
Token name:	Nuva
Ticker Symbol:	NUVA
Starting Price Pre-ICO:	\$0.30
ICO Soft Cap:	\$0.40
ICO Hard Cap:	\$0.60
Pre-ICO Goal - 1st batch:	5 million NUVA Tokens (Ongoing)
Pre-ICO Goal - 2nd batch:	8 million NUVA Tokens (Soon)
Pre-ICO Goal - 3rd batch:	10 million NUVA Tokens
Total Supply:	210 million 105 million (Circulated) 105 million (Locked)
Liquidity:	Locked until all tokens are released

5.2 TOKEN DISTRIBUTION



ALLOCATION OF FUNDS

TOTAL TOKEN SUPPLY - 210 MILLION



6. ROAD MAP

Q3 2021

Jul 2021	Aug 2021	Sep 2021	Sep 2021
Onboarding of IT Teams	Planning of Software for Onboarding	Planning of e-commerce	Planning of Education Platform
Have in-house team	Completed: March 2022	Completed: February 2022	Expected Completion: October 2022

Q4 2021

Oct 2021	Oct 2021	Nov 2021	Oct 2021	Dec 2021	Dec 2021
Planning of Nuva Token	Planning of Centralised Wallet	Planning of DeFi Crypto Wallet	Seeking Partners and Assembling Teams	Planning of DeFi Multichain Swap	Planning of Exchange
Completed: February 2022	Completed: November 2021	Completed: March 2022	Ongoing	Expected Completion: December 2022	Ongoing

Q1 2022

Jan 2022	Jan 2022	Jan 2022	Feb 2022	Mar 2022	Mar 2022
Company Registration and Licensing	Acquiring Workspace	Planning of Merchandise	Planning of Acquisition of Trading Bots	Planning of Play to Earn Games	Planning of NFT Marketplace
Ongoing	Completed: January 2022	Completed: January 2022	Expected Completion: November 2022	Expected Completion: November 2022	Expected Completion: December 2022

Q2 2022

Apr 2022	May 2022	Jun 2022
Planning of Invoicing PDQ	Collaboration with Marketing Partners for the Launch of Nuva Token	Sourcing Products and Suppliers
Completed: April 2022	Ongoing	Ongoing

Q3 2022

July 2022	Aug 2022	Sep 2022	Sep 2022
Private Token Placement	Token Presale and ICO	Acquiring Data for Community Airdrop	Social Media Community Launch
Completed: July 2022	Expected Completion: September 2022	Expected Completion: October 2022	Completed: September 2022

Q1 2023

Jan 2023	Feb 2023	Mar 2023
Launching Nuva NFT	... Launching Nuva Compare	... Launching Nuva Market

Q2 2023

Apr 2023	Feb 2023	Mar 2023
Launching Nuva Education & Token	... Launching Nuva Swap	... Launching Nuva Game

Q3 2023

Jul 2023	Aug 2023	Sep 2023
Phase -2 Nuva Learn	... Launching Nuva Pay	... Grand Launch of Nuva University

Q4 2023

Oct 2023	Nov 2023	Dec 2023
Phase -2 Nuva Game	... Nuva Swap pro update	... Launching Nuva Crypto Exchange

Q1 2024

Jan 2024	Feb 2024	Mar 2024
Launching Nuva Launch Pad	... Phase -3 Nuva Game	... Launching Nuva Forex & Commodity Exchange

Q2 2024

Apr 2024	May 2024	Jun 2024
Multiple integration of Nuva Exchange	... Nuva Swap Pro	... Introducing Nuva Trading Bots

WHITEPAPER
VERSION 1.0.1 | NOVEMBER 2022



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