



# Web2ToWeb3 Plugin

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# Empower Users to Trust in Web3 with Web2ToWeb3

The mission of the Web2ToWeb3 project is to empower users to trust in the transition from Web 2.0 to Web 3.0. By harnessing innovative technologies and methodologies, we aim to elevate the standards of security and trustworthiness in the decentralized ecosystem. Founded by visionary technologists, the Web2ToWeb3 project leverages cutting-edge research to develop a platform that instills confidence and reliability in the emerging Web 3.0 landscape.

At the heart of the Web2ToWeb3 project is the W2W token, our native utility token that underpins the entire ecosystem. The W2W token serves as the digital backbone of our platform, facilitating secure transactions and incentivizing participation in the ecosystem. With robust security measures and a focus on user trust, the Web2ToWeb3 project is committed to building a decentralized infrastructure that prioritizes the security and integrity of user interactions.

The Web2ToWeb3 ecosystem is designed to provide comprehensive security solutions for transitioning from centralized Web 2.0 applications to decentralized Web 3.0 platforms. Our suite of technologies and tools ensures that security and correctness are maintained at every stage of the transition process, from initial development to live deployment. We believe in fostering collaboration with other blockchain projects, as security is not a choice but a fundamental necessity in the evolving digital landscape.

Through breakthrough technologies and methodologies, the Web2ToWeb3 project aims to establish itself as the go-to platform for provable trust in Web 3.0. By bridging the gap between Web 2.0 and Web 3.0 with enhanced security and transparency, we empower users to embrace the decentralized future with confidence and peace of mind.

# 1. Introduction

In today's digital landscape, where the exchange and storage of data form the cornerstone of modern business operations, the security and integrity of information are paramount. However, the proliferation of cyberattacks and data breaches has cast a shadow over the reliability of traditional web development practices. From multinational corporations to small businesses and individuals, no entity is immune to the looming threat of malicious actors seeking to exploit vulnerabilities in centralized systems.

## What is Web2?

Web2 represents the current phase of the internet, characterized by centralized data storage, user-generated content, and interactive web applications. In this model, data is typically hosted on centralized servers controlled by corporations or service providers, allowing for convenient access and collaboration among users. However, this centralized architecture exposes data to vulnerabilities such as breaches, manipulation, and unauthorized access.

## Web2 to Web3



### Strengths

**Decentralization:** Distributes data across nodes, reducing single points of failure.

**Immutable Data:** Blockchain ensures tamper-proof and transparent data storage.

**Cryptographic Security:** Employs algorithms to protect data integrity and user privacy.

**Smart Contracts:** Automates transactions, reducing intermediaries and increasing efficiency.



### Weaknesses

**Complexity:** Developing and implementing Web3 applications can be complex and requires specialized knowledge.

**Scalability Issues:** Some blockchain networks face scalability challenges, limiting their ability to handle large volumes of transactions.

**Adoption Barriers:** Resistance to change and lack of understanding may hinder the widespread adoption of Web3 technology.



### Opportunities

**Innovation:** Web3 opens up new possibilities for decentralized applications, including DeFi, NFTs, and DAOs.

**Interoperability:** Web3 promotes interoperability between different applications and platforms, fostering collaboration and innovation.

**Economic Empowerment:** Decentralized finance (DeFi) platforms offer opportunities for financial inclusion and empowerment, particularly in underserved communities.



### Threats

**Regulatory Uncertainty:** Evolving regulations may hinder Web3 adoption worldwide.

**Security Risks:** Despite enhanced security, vulnerabilities like smart contract bugs persist.

**Technological Hurdles:** Scalability and interoperability challenges may impede widespread Web3 adoption.

## What is Web3?

Web3 represents the next evolutionary step in internet technology, built upon decentralized principles and blockchain technology. Unlike Web2, where data is stored in centralized servers, Web3 leverages distributed ledger technology to create immutable and transparent systems where information is cryptographically secured and tamper-proof. This decentralized architecture empowers users with greater control over their data and transactions, fostering trust and transparency in digital interactions.

## Advantages of Web3 over Web2

Web3 offers several distinct advantages over its predecessor, Web2. Firstly, the decentralized nature of Web3 eliminates single points of failure, reducing the risk of data breaches and unauthorized access. By distributing data across a network of nodes, Web3 enhances security and resilience, ensuring that information remains accessible and tamper-proof. Moreover, the use of blockchain technology in Web3 introduces cryptographic security measures that safeguard data integrity, privacy, and authenticity.



### Web 1.0

read-only  
static



### Web 2.0

read-write  
interactive



### Web 3.0

read-write-trust  
verifiable

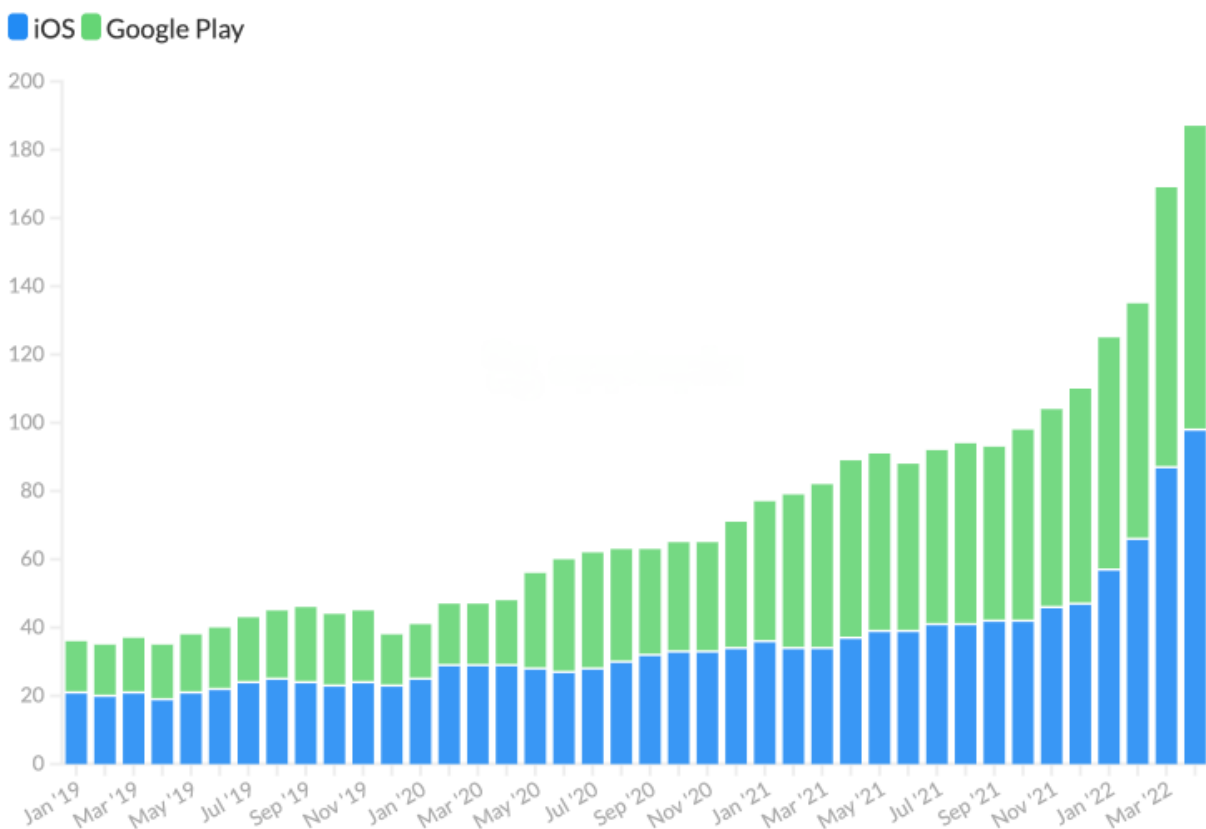
Web1 vs Web2 vs Web3

Furthermore, Web3 fosters innovation and interoperability by providing an open and permissionless platform for developers and entrepreneurs. With standardized protocols and interoperable networks, Web3 enables seamless integration and collaboration across various applications and ecosystems. This interoperability not only spurs creativity and experimentation but also fosters a vibrant ecosystem of decentralized finance (DeFi), non-fungible tokens (NFTs), and decentralized autonomous organizations (DAOs).

Moreover, Web3 prioritizes privacy and data sovereignty by offering users greater control over their personal information and digital assets. Through decentralized identity solutions and self-sovereign identity (SSI) frameworks, individuals can securely manage and authenticate their identities without relying on centralized authorities or exposing sensitive information to third parties. This emphasis on privacy and data sovereignty aligns with evolving regulatory requirements and user expectations in an increasingly digitized world.

### Web3 apps are increasing every month

Number of store ranked apps describing themselves with "web3" in title, subtitle or app description



Furthermore, Web3 instills trust through its immutable nature, leveraging blockchain technology to ensure the permanence and integrity of data. By recording transactions and interactions on a decentralized ledger that cannot be altered or manipulated, Web3 establishes a foundation of



trust among participants. This immutability not only enhances the security and authenticity of information but also fosters confidence in the reliability of decentralized systems. As a result, users can engage in peer-to-peer interactions and transactions with the assurance that their data is secure and tamper-proof, further reinforcing the inclusive and empowering nature of Web3.

In summary, Web3 represents a paradigm shift towards a more secure, inclusive, and decentralized internet ecosystem. By leveraging blockchain technology and decentralized principles, Web3 offers unparalleled security, autonomy, and innovation, paving the way for a future where individuals have greater control over their digital lives and interactions.

Consider the recent spate of data breaches that have dominated headlines, displaying the pervasive nature of cyber threats. From the healthcare sector to the realm of e-commerce and beyond, organizations of all sizes and industries have fallen victim to the nefarious intentions of cybercriminals.

Furthermore, as the world transitions towards Web3 applications powered by blockchain technology, new challenges emerge on the horizon. The complexities inherent in developing decentralized applications, coupled with the prohibitive costs associated with hiring specialized developers, present formidable obstacles for businesses seeking to embrace the benefits of blockchain. The case of Vans, a renowned footwear and apparel brand, serves as a poignant example of the hurdles faced by companies navigating the transition to Web3. In the aftermath of unauthorized activities detected on its IT systems, Vans customers were alerted to potential risks of fraud and identity theft, casting a shadow of uncertainty over the security of centralized databases.

Amidst these challenges, a beacon of innovation emerges in the form of Web2ToWeb3. This groundbreaking solution promises to revolutionize the landscape of web development by offering a seamless transition from Web2 to Web3 applications. By harnessing the power of simple API calls and blockchain technology, Web2ToWeb3 empowers organizations to fortify their digital infrastructure, enhance security, and unlock new avenues of growth in the decentralized web ecosystem.

In the pages that follow, we delve into the intricacies of the modern web development landscape, explore the pitfalls of traditional approaches, and unveil the transformative potential of Web2ToWeb3. Join us on a journey towards a more secure, decentralized future, where innovation knows no bounds and the possibilities are limitless.

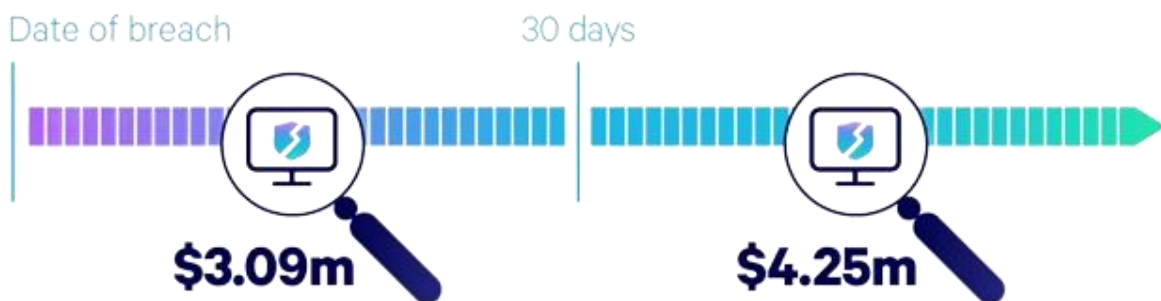
## 2. Problem Statement

The transition from Web1 to Web2 marked a significant leap in the evolution of the internet, ushering in an era of unprecedented connectivity, interactivity, and accessibility. However, beneath the surface of this digital revolution lies a fundamental flaw that has plagued the security landscape of Web2: its reliance on centralized data storage mechanisms.

Central to the inherent security risks of Web2 is the mutable and fragile nature of data stored within these centralized repositories. In traditional Web2 infrastructure, data is often stored in databases controlled by a single entity or organization. While this centralized approach facilitates convenient access and management of information, it also introduces a single point of failure that can be exploited by malicious actors seeking to compromise sensitive data.

This fragility of Web2 data storage mechanisms extends beyond the realm of unauthorized access to encompass the risk of manipulation and theft. Cybercriminals, equipped with increasingly sophisticated techniques and tools, target centralized databases to exfiltrate valuable information for illicit purposes. From personal identifiable information (PII) to financial records and intellectual property, the breadth of data stored within Web2 infrastructure presents a lucrative target for malicious exploitation. Moreover, the interconnected nature of the digital ecosystem amplifies the impact of data breaches, as compromised credentials or sensitive information can cascade across multiple platforms, exacerbating the scope of security incidents.

### Breach Discovery Takes an Average 197 Days



Data Breach Discovery Time <sup>[1]</sup>



In essence, the foundation of Web2, characterized by its centralized data storage mechanisms, poses significant security risks that undermine the trust and reliability of digital ecosystems. The vulnerabilities inherent in Web2 infrastructure highlight the urgent need for a change in thinking towards Web3, where decentralization, immutability, and cryptographic security form the pillars of a more resilient and secure internet.

The current landscape of e-commerce within Web 2.0 is riddled with trust-related challenges, particularly concerning ownership, security, and data protection. Users face significant hurdles when navigating online shopping platforms, often grappling with concerns about the ownership of their personal data, the security of their information, and the risk of data theft and misuse. Centralized control exerted by e-commerce platforms undermines user confidence and raises questions about the safety and integrity of their online transactions.

### **Ownership Concerns:**

In the realm of Web 2.0 e-commerce, users often find themselves at the mercy of centralized platforms that exercise unilateral control over their personal data and digital interactions. Users lack ownership and control over their data, raising doubts about who ultimately owns and governs their information. This lack of ownership not only undermines user autonomy but also fosters a sense of vulnerability and dependency on e-commerce platforms.

### **Security Vulnerabilities:**

The centralized nature of Web 2.0 e-commerce platforms exposes users to significant security vulnerabilities, leaving their personal data susceptible to breaches and unauthorized access. High-profile security incidents, such as data breaches and hacking attacks, have underscored the inherent risks associated with centralized data storage and management. Users remain apprehensive about the security of their information, fearing that it may fall into the wrong hands and be exploited for malicious purposes.

### **Data Theft and Misuse:**

The prevalence of data theft and misuse poses a grave threat to user trust in Web 2.0 e-commerce. Users' personal information is increasingly targeted by cybercriminals seeking to exploit vulnerabilities in centralized systems for financial gain. Instances of data theft, identity fraud, and unauthorized access to sensitive information erode user confidence and raise concerns about the privacy and security of online transactions. Users are wary of sharing their data, fearing that it may be stolen or misused without their consent.

In light of these trust-related challenges, there is an urgent need for innovative solutions that prioritize user ownership, security, and data protection in Web 2.0 e-commerce. By addressing these fundamental issues, e-commerce platforms can rebuild trust with users and create a safer and more secure online shopping environment that fosters confidence and loyalty.

### Case Studies and Examples:

Recent data breaches in major e-commerce platforms, such as the theft of customer data from a leading online retailer, underscore the vulnerability of centralized systems to cyberattacks.

Instances of identity theft and financial fraud resulting from data breaches highlight the real-world consequences of inadequate security measures in Web 2.0 e-commerce.

Users' growing concerns about data privacy and security are reflected in surveys and studies, with a significant percentage expressing reluctance to share personal information online due to fears of data theft and misuse.

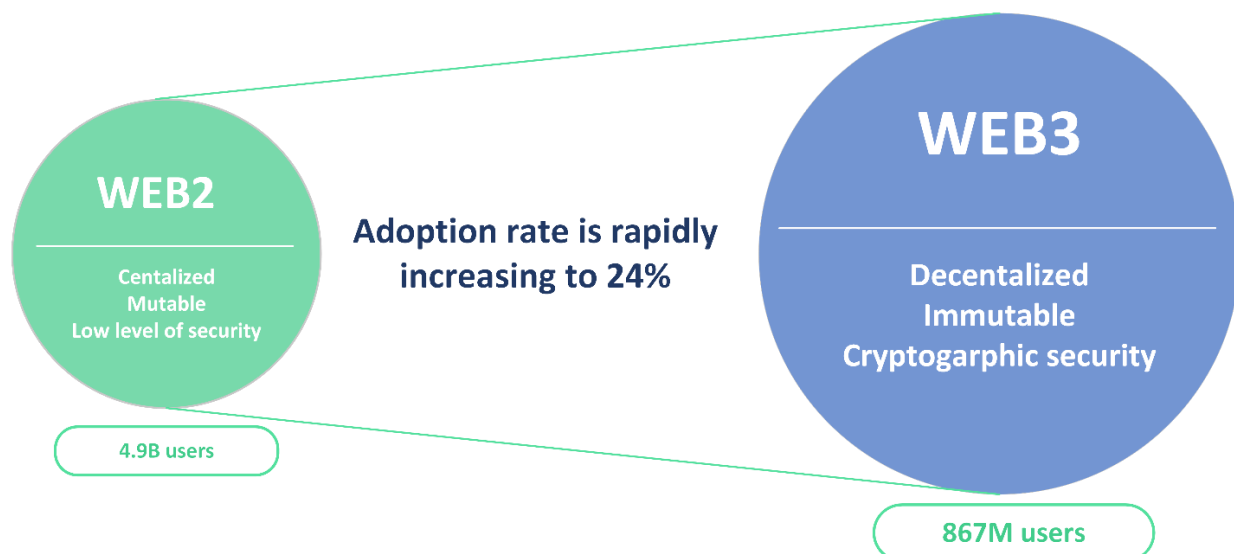
### Implications for Users and Businesses:

Trust-related challenges in Web 2.0 e-commerce have profound implications for both users and businesses. Users may hesitate to engage in online transactions or share personal information due to concerns about data security and privacy.

Businesses face reputational damage and loss of customer trust in the event of a data breach or security incident. Failure to address trust issues can result in diminished customer loyalty and negative brand perception.

## 3. Solution

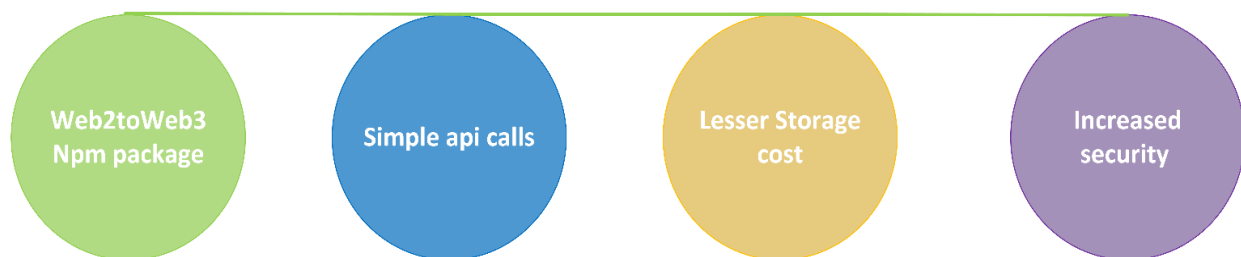
Web2ToWeb3 represents a pioneering initiative aimed at addressing the limitations of Web2 infrastructure and facilitating the transition to Web3, marking a significant paradigm shift in the evolution of the internet. By leveraging blockchain technology, Web2ToWeb3 offers a comprehensive solution to fortify digital ecosystems and empower businesses with enhanced security, reduced costs, and unparalleled accessibility.



Amidst the challenges posed by the inherent flaws of Web2 infrastructure, the transition to Web3 represents a paradigm shift in the evolution of the internet, offering a comprehensive solution to address the pressing security concerns and inefficiencies of centralized data storage mechanisms. At the forefront of this transformative journey lies Web2ToWeb3, a pioneering initiative that leverages blockchain technology to fortify the foundations of digital ecosystems and empower businesses with enhanced security, reduced costs, and unparalleled accessibility.

The paramount concern of businesses and individuals alike in today's digital landscape is the safeguarding of sensitive data against the relentless onslaught of cyber threats. From ransomware attacks to data breaches, the financial and reputational ramifications of compromised security are profound and far-reaching. Take, for instance, the case of Norton Healthcare, where millions of patients' personal information fell prey to unauthorized access, leading to widespread concerns regarding privacy and trust. By providing a seamless transition to Web3 applications fortified by blockchain technology, Web2ToWeb3 offers a robust defence mechanism against such nefarious intrusions. Through its innovative gasless transaction mechanism and integration with the Polygon chain, Web2ToWeb3 ensures that data transactions are executed securely and efficiently, mitigating the risks associated with centralized databases.

Moreover, the prohibitive costs and complexities associated with developing Web3 applications have long deterred businesses from embracing the transformative potential of blockchain technology. The example of Vans, grappling with unauthorized activities on its IT systems and the subsequent risks posed to its customers, underscores the urgent need for accessible and cost-effective solutions. Herein lies the promise of Web2ToWeb3, democratizing access to Web3 technology and eliminating the barriers to entry for organizations seeking to harness the benefits of decentralization. By streamlining the development process and offering simple API calls for blockchain integration, Web2ToWeb3 empowers businesses to innovate and adapt to the evolving digital landscape without breaking the bank.



The primary aim of this initiative is to facilitate consumers across diverse industries in embracing the advantages of the Web 3.0 era without disrupting their existing operational frameworks. Web 3.0 is revolutionizing data storage and management, empowering users with greater control over their data and offering enhanced security, privacy, and user experience.

In addition to offering our Web2ToWeb3 plugin for converting any Web2 application to a Web3 application, our platform also features an innovative e-commerce model. This model enhances the user experience by providing a curated marketplace where users can access and purchase customizable templates tailored for e-commerce applications. By leveraging our native Web2ToWeb3 token, users can seamlessly deploy their own Web3 e-commerce platforms with just a few clicks. This approach not only simplifies the transition to Web3 for existing Web2 users but also empowers entrepreneurs and businesses to establish their presence in the decentralized digital economy.

Furthermore, our platform recognizes the importance of ensuring the authenticity and integrity of data stored on the blockchain. While W2ToW3 provides storage and blockchain security, the verification of product authenticity is entrusted to independent third-party validators. These validators play a crucial role in verifying the accuracy and reliability of the data before it is stored on the immutable blockchain ledger. Our platform utilizes a unique approach where users can attach a simple QR code to their existing web applications. When scanned, this QR code facilitates access to the blockchain's decentralized ledger through our plugin's decentralized Oracle network. This pioneering concept enables users to retrieve critical product information, including proof of authenticity, directly from the immutable blockchain network.

### 3.1 Web2ToWeb3 Plugin

W2ToW3 stands out as the first application to introduce the integration of QR codes with existing Web 2.0 applications, offering users unprecedented access to verified data stored on the blockchain.

Illustratively, in the e-commerce sector, numerous online platforms cater to a wide array of products, from fashion accessories to household appliances. Consider, for instance, the sale of organic honey, where sellers often tout the purity and natural origins of their products. However, in traditional Web 2.0 e-commerce setups, consumers lack visibility into the authenticity of such claims.

To address this, the W2ToW3 initiative presents an innovative solution. By leveraging blockchain technology, the complete lifecycle of a product like coffee beans can be securely stored, ensuring its integrity. A QR code is then affixed to the existing Web 2.0 e-commerce platform. Upon scanning this code, users can access immutable data from the blockchain, providing indisputable proof of the product's origin and supply chain journey. This instills confidence in consumers and fosters trust between buyers and sellers.

Furthermore, the W2ToW3 project offers various avenues for entrepreneurs to engage with the platform:

- Seamlessly integrating existing Web 2.0 applications with Web 3.0 functionalities.

- Leveraging a curated marketplace to develop new applications tailored to specific requirements.
- Participating in the project's governance structure, thereby contributing to its growth, and earning rewards.

Decentralization lies at the heart of Web 3.0, facilitated by cryptocurrencies that operate independently of central authorities. While consumers may continue using fiat currencies in Web 2.0 applications, transactions between application owners and platform operators in the Web 3.0 ecosystem are conducted using crypto tokens. Additionally, the introduction of governance tokens ensures shared ownership of the platform, preventing monopolistic control and fostering a distributed marketplace.

The W2ToW3 platform's initial phase involves establishing an exclusive marketplace to onboard existing Web 2.0 applications. These applications will benefit from secure data storage and metadata immutability provided by W2ToW3's blockchain-backed infrastructure. The marketplace caters to a diverse range of industries, including e-commerce, fashion, livestock trading, electronics, groceries, healthcare, and automotive, among others. This inclusive platform empowers application owners to enhance their offerings and provides consumers with greater transparency and assurance.

In the implementation phase of our solution, we will prioritize seamless integration with existing Web2 applications such as ERP systems, e-commerce platforms, and supply chain management systems. Achieve this, we will provide a secure API that enables authorized users to write product or other relevant information directly onto the blockchain. This API will uphold a prominent level of trust and integrity, crucial for applications requiring stringent data verification.

Moreover, our solution will empower Web2 applications to display blockchain transaction proofs alongside other pertinent information, enhancing transparency and accountability for end-users. This will be facilitated through the inclusion of transaction proof links or QR codes within the respective applications, enabling users to easily query and verify blockchain transactions.

### Benefits of Web2 to Web3 Plugin for Web3 Developers

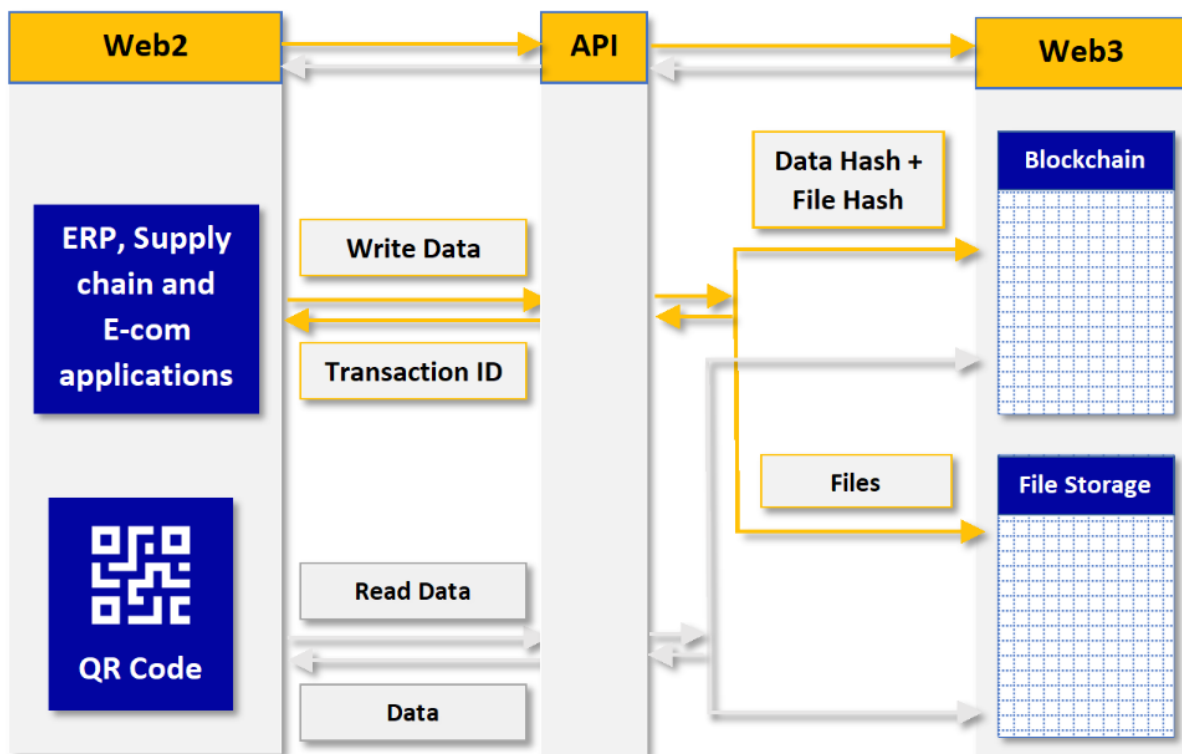


Ensure flexibility and control, Web2 system developers and owners will have the autonomy to define access permissions for tracing and verifying blockchain transactions. This feature may be offered exclusively to premium users or monetized through a pay-per-query model, aligning with diverse business models and revenue strategies.

Furthermore, our authentication mechanism will enforce strict access control, allowing only authenticated API calls with appropriate credentials to view blockchain transactions. This will safeguard sensitive data and maintain the integrity of the blockchain ecosystem.

In terms of data management, JSON data will be hashed and securely stored on a private blockchain, while certificates and files will be stored in a Neutral-Zone storage solution. File hashes will also be stored on the blockchain, ensuring data immutability and integrity across the entire ecosystem.

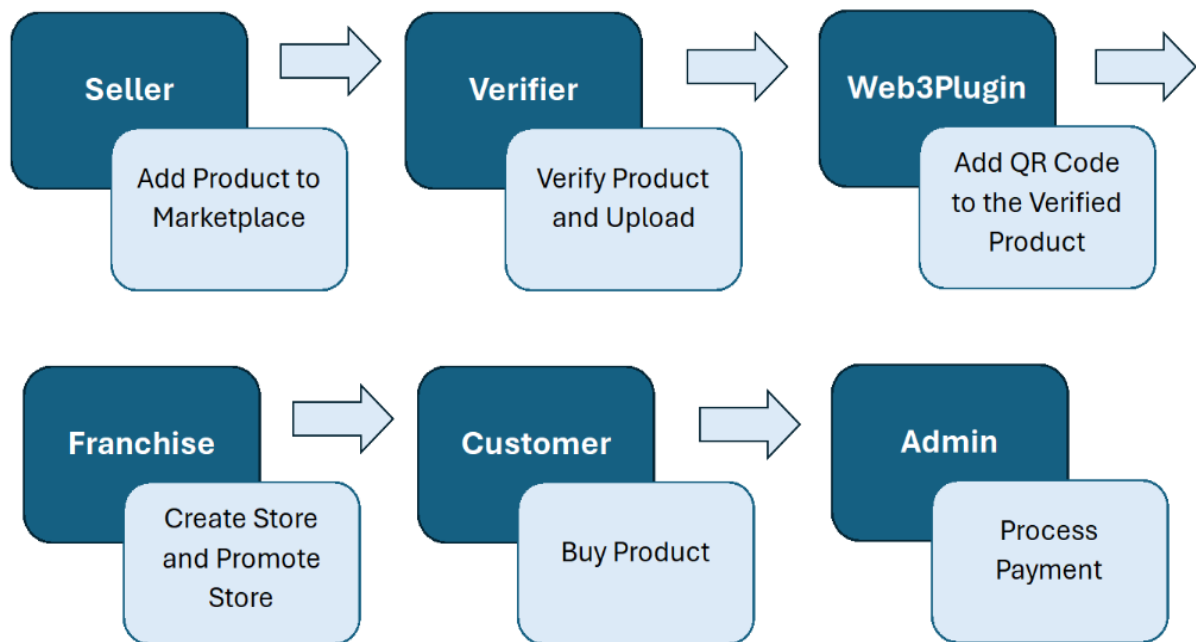
Lastly, our pricing model will be transparent and scalable, with costs for data write APIs calculated based on the volume of data being written to the blockchain and file storage space utilized. Similarly, costs for data read APIs will be determined by the amount of data retrieved from the blockchain and the file sizes accessed. This granular pricing approach ensures fair and equitable usage of our platform while accommodating varying user needs and usage patterns.





In our implementation of the W2ToW3 project, we have developed a user-friendly solution that empowers existing Web 2.0 users to seamlessly transition to Web 3.0 applications. Here's a detailed explanation of our approach:

- 1. Plugin Integration for Web2 to Web3 Conversion:** We have created a versatile plugin that enables users of existing Web 2.0 applications to effortlessly convert their platforms into Web 3.0 counterparts. By simply installing our plugin, users can unlock the transformative features of Web 3.0, including decentralized data storage, enhanced security, and user control over their data.
- 2. Template Marketplace for E-commerce Applications:** Additionally, we have curated a collection of customizable templates specifically designed for e-commerce applications. Users can browse through these templates and purchase them using our native Web2ToWeb3 token. With just a few clicks, users can deploy their own Web 3.0 e-commerce platforms, complete with advanced features and functionalities.
- 3. Onboarding Verifiers for Data Validation:** To ensure the integrity and authenticity of data stored on the blockchain, we have implemented a rigorous verification process. We onboard verifiers who are responsible for validating the accuracy and reliability of the information before it is written into the blockchain. Only verified data is permitted to be stored on the immutable blockchain ledger, thereby maintaining data integrity and trustworthiness.
- 4. QR Code Integration for Data Access:** Once the verified data is securely written into the blockchain, a unique QR code is generated and displayed on the website. Users can easily scan this QR code using their mobile devices, allowing them to access the information stored on the blockchain. This information includes details about product origin, manufacturing processes, and supply chain journey, providing users with transparency and assurance regarding the authenticity of the data.



Our implementation prioritizes user convenience, data integrity, and trustworthiness. By seamlessly integrating Web 3.0 features, offering customizable templates, implementing data verification processes, and enabling easy access to blockchain-stored information via QR codes, we aim to empower users to embrace the benefits of decentralized technologies while enhancing their overall user experience.

### **Step 1: Plugin Installation and Integration**

Users begin by installing the Web2ToWeb3 plugin onto their existing Web 2.0 applications. The installation process is intuitive and user-friendly, requiring minimal technical expertise. Once installed, the plugin seamlessly integrates with the application's backend, enabling the transition to Web3 functionalities without disrupting the existing user experience.

### **Step 2: Configuration and Customization**

After installation, users have the option to configure and customize their Web3 applications according to their specific requirements. They can choose from a range of predefined settings and user interface themes tailored to their chosen application domain.

### **Step 3: Template Selection and Deployment**

For users opting to deploy new Web3 applications, the platform offers a diverse marketplace of customizable templates specific to each application domain. Users can browse

through the template collection, previewing various designs and functionalities before making their selection. Once chosen, the selected template can be easily deployed with a few clicks, streamlining the process of launching a fully functional Web3 application.

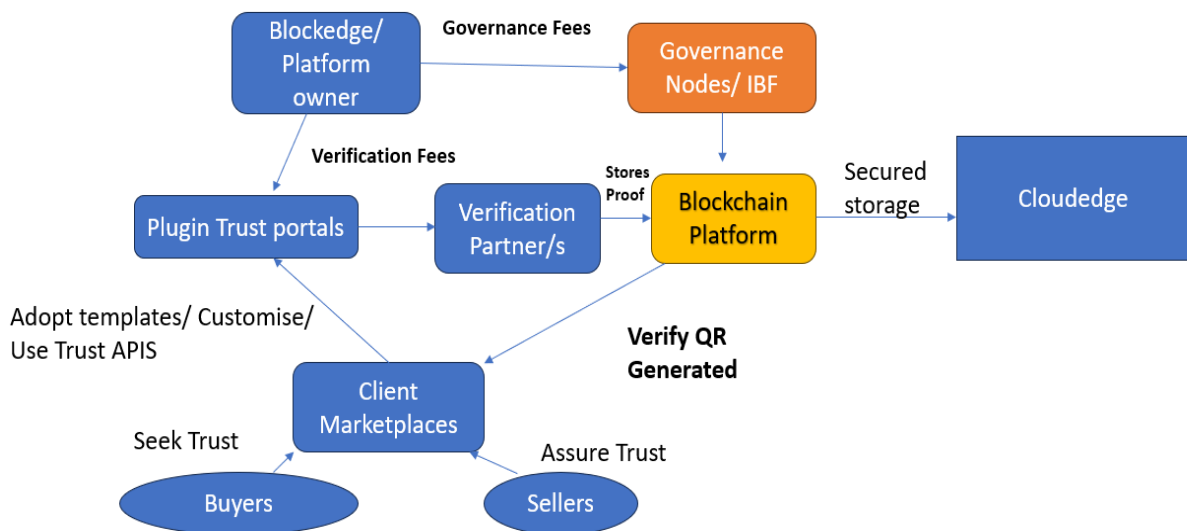
#### Step 4: Data Verification and Validation

As users interact with the Web3 application, data generated and submitted undergoes a rigorous verification process. This verification is facilitated by onboarded verifiers who validate the accuracy and authenticity of the information before it is written onto the blockchain. Verified data is then securely stored on the immutable blockchain ledger, ensuring integrity and trustworthiness.

#### Step 5: QR Code Integration and Accessibility

Upon successful verification and storage of data, a unique QR code is generated and displayed within the Web3 application. Users can easily access this information by scanning the QR code using their mobile devices. This seamless integration of QR codes provides users with instant access to blockchain-stored data, enhancing transparency and facilitating informed decision-making.

### SecureCloud Web3Plugin Platform for Ecommerce portals



## 3.2 W2W3 Verifiers

Businesses can access a validation and verification service designed to onboard trusted verifiers responsible for authenticating products and assets on the blockchain. This service is pivotal in enhancing trust and transparency by offering stakeholders reliable and auditable verification processes. Through this service, businesses collaborate with verifiers selected for their expertise and credibility in specific industries. Verifiers follow predefined protocols tailored to each industry and asset type to ensure consistent and rigorous verification standards. Businesses submit relevant evidence and documentation, such as certificates of authenticity or manufacturing records, for verification.

Verifiers meticulously examine the submitted evidence through thorough inspections, document reviews, and data analysis to verify the authenticity and legitimacy of products or assets. Upon successful verification, verified information is securely recorded on the blockchain, establishing an immutable record of the verified status of the items. This blockchain authentication process guarantees transparency and integrity, enabling stakeholders to easily access and verify the authenticity of verified products or assets.

By leveraging this validation and verification service, businesses bolster trust and transparency in their operations, instilling confidence among buyers, investors, and partners. Furthermore, it reinforces the integrity of the blockchain ecosystem as a reliable platform for transparent and auditable verification processes.

## 3.3 W2W3 Token Utilization

When transitioning from Web 2.0 to Web3, the process involves several steps, each of which incurs a specific utility fee in W2W3 tokens:

### 1. Initial Setup, QR Code Placement, and Integration:

Web2 application owners seeking to upgrade to Web3 must acquire 100,000 W2W3 tokens. This initial utility fee covers the setup, placement of QR codes, and integration of Web3 functionalities into the existing application.

### 2. Transaction Fees for Data Read and Write Operations:

- After successful integration, clients are required to maintain a minimum balance of 100,000 W2W3 tokens in their wallets to perform data read and write operations on the blockchain.
- For each operation, W2W3 tokens are deducted based on the number of data bytes involved:
- Writing data incurs a fee of 100 Wei per byte.

- Reading data requires a fee of 10 Wei per byte.
- These transaction fees are regularly monitored by the W2W3 governance committee and may be adjusted as needed.

### 3. File Storage:

- Clients opting to store files alongside their data can utilize Web2ToWeb3 Project's file storage system.
- A fee of USD 10 per GB per month is charged for file storage.
- Invoices are generated on the 1st of every month, with an equivalent amount of W2W3 tokens deducted from the client's wallet.

### 4. Verification of Product Authenticity:

- The W2W3 Project engages verifiers to certify the authenticity and quality of products sold in the W2W3 e-commerce marketplace.
- Verifiers are compensated in W2W3 tokens, with each verification costing USD 20 worth of tokens transferred to the verifier's account.



## 3.4 W2W3 Templates

The W2W3 Project offers a diverse range of application templates across various domains, providing clients with a streamlined development process. For E-Commerce Applications, our templates cover a wide spectrum, including marketplaces tailored for electronics, premium clothing, real estate, food delivery, healthcare products, automobiles, business listings, jobs, paintings, pet animals, and more. These templates serve as foundational frameworks, accelerating the development of robust and feature-rich online platforms.

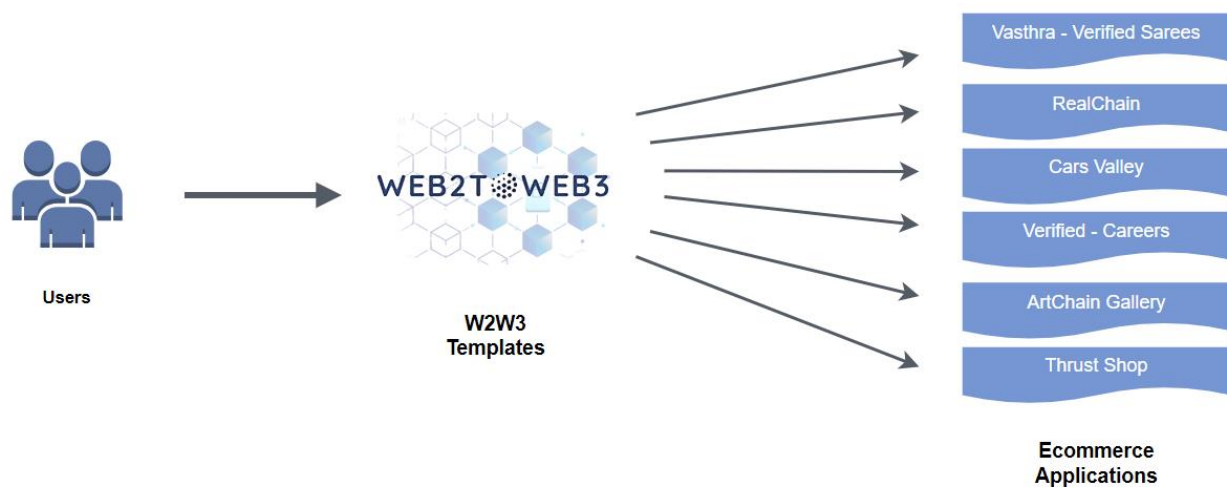
In addition to pre-designed templates, clients also have the flexibility to opt for Custom Development, allowing for the creation of bespoke applications tailored to specific business

requirements. Our team conducts a comprehensive analysis of the client's needs and preferences, ensuring that the final solution aligns perfectly with their objectives.

Throughout the development process, we provide detailed estimations to give clients a clear understanding of project timelines and resource requirements. Invoices are raised transparently, and payments are seamlessly facilitated using W2W3 tokens. This innovative approach ensures the integration of Web3 features into the new application, providing clients with access to the benefits of decentralized finance and blockchain technology. Through this technical infrastructure, we enable secure and efficient transactions while fostering a decentralized ecosystem for digital commerce.

**The W2W3 Project offers application templates across various domains to expedite the development process:**

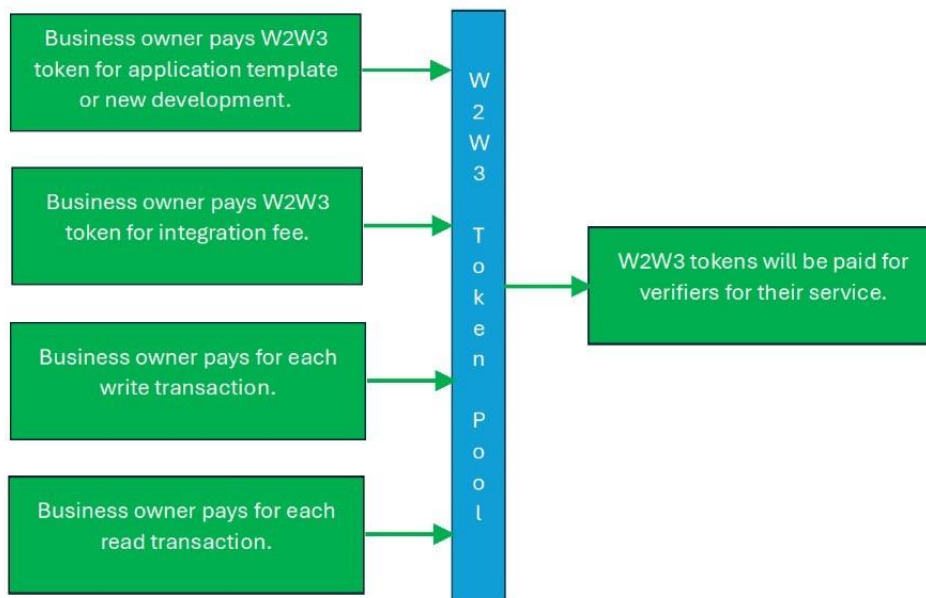
- **E-Commerce Applications:** Templates include marketplaces for electronics, premium clothing, real estate, food delivery, healthcare products, automobiles, business listings, jobs, paintings, pet animals, and more.
- **Custom Development:** Clients have the option to develop applications from scratch to meet specific business requirements.
- **Analysis, Estimation, and Payment:**
  - Regardless of the chosen approach, the client's requirements are thoroughly analyzed, and an estimation is provided.
  - Invoices are raised, and payments are accepted in W2W3 tokens, ensuring seamless integration of Web3 features into the new application.





## 4. Token Utility

The W2W3 tokens play a pivotal role within the Web2ToWeb3 ecosystem, serving as a medium of exchange for services, transaction fees, and governance functions. As the primary currency of the platform, W2W3 tokens incentivize user engagement, facilitate seamless transactions, and empower stakeholders to shape the project's future through democratic decision-making. Additionally, the governance tokens (W2W3G) offer investors the opportunity to participate in voting, proposal discussions, and strategic direction-setting, ensuring a decentralized and community-driven approach to project governance.



## 5. Use Cases

The Web2ToWeb3 solution represents a significant advancement in addressing the challenges faced by businesses in the digital realm. By harnessing the power of blockchain technology, the platform offers enhanced security measures, mitigating risks associated with unauthorized access and data breaches. This heightened security not only fosters trust among users but also reduces the financial and reputational implications of cyber threats. Moreover, the transition to Web3 through Web2ToWeb3 results in substantial cost savings by eliminating the need for expensive centralized infrastructure and simplifying development processes. Entrepreneurs benefit from access to a curated marketplace and pre-designed templates tailored for the decentralized digital economy, fostering innovation and competition.

In addition to security and cost-efficiency, Web2ToWeb3 promotes transparency and trust through blockchain-based verification mechanisms and seamless QR code integration. Consumers gain access to immutable product information, enhancing confidence in the authenticity of goods and services. Furthermore, the platform empowers users with greater control over their data and incentivizes participation through governance tokens, fostering a collaborative ecosystem for sustainable growth. Overall, the Web2ToWeb3 solution offers a comprehensive suite of benefits, positioning it as a compelling option for businesses seeking to embrace the transformative potential of Web3 technologies while enhancing user trust and operational efficiency.

### **Scenario 1: Upgrading Web 2.0 Application with Web 3.0 Feature**

In this scenario, a Web 2.0 application owner expresses interest in integrating Web3.0 features into their existing platform. The process begins with the owner purchasing 100,000 platform tokens from a listed exchange and staking them in a wallet, serving as a security deposit for accessing Web3.0 services through the Web2ToWeb3 platform. Development activities commence, including the storage of data in the blockchain and the integration of a unique QR code feature into the existing Web2.0 application. This QR code allows users to access product details stored on the blockchain, with each scan incurring a transaction fee payable in platform tokens. These transaction fees cover various services, including metadata storage, blockchain data access, third-party validation fees, and platform maintenance. The application owner is responsible for managing transaction charges, ensuring they are paid either directly or automatically deducted from the security deposit to maintain a minimum balance. Over time, governance tokens are distributed to validators and investors, decentralizing platform ownership and maintenance.

### **Scenario 2: Developing a Web 2.0 Application with Web 3.0 Feature**

This scenario follows a similar process to Scenario 1, but with the additional step of building a Web 2.0 application from scratch before integrating Web3.0 features. Here, the application owner commissions the Web2ToWeb3 project team to develop the new application and incorporate Web3.0 functionality. In addition to the transaction charges outlined in Scenario 1, there are development fees incurred by the owner for building the application, payable to the Web2ToWeb3 project team.

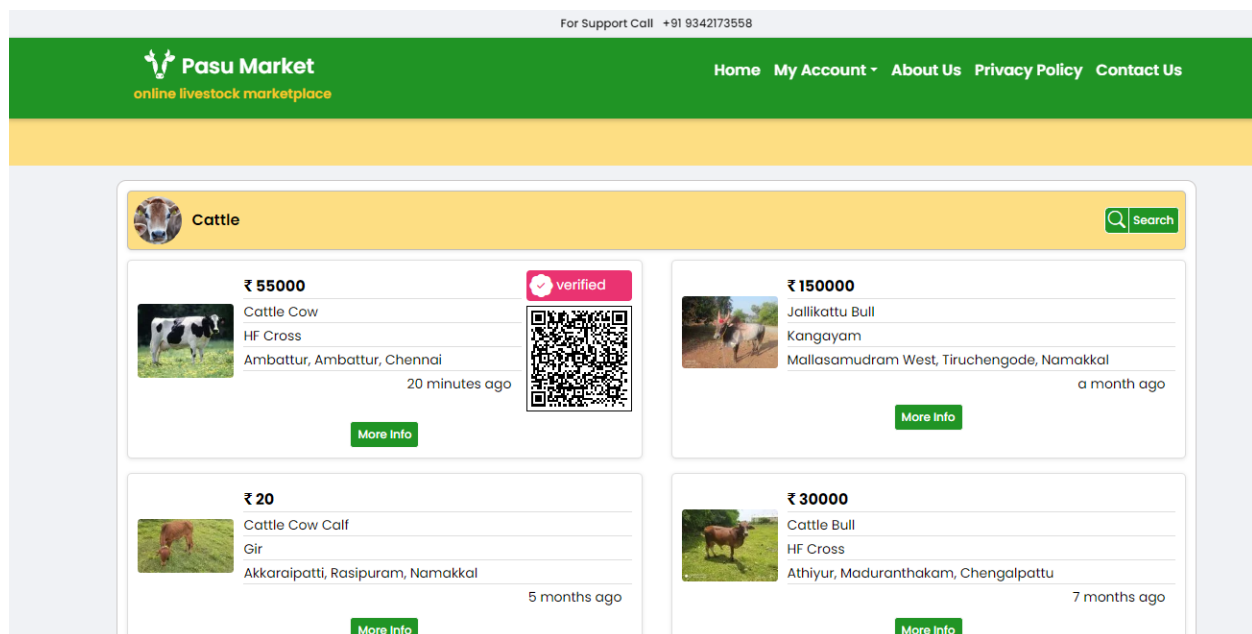
### **Scenario 3: Investing in Governance Tokens**

For investors seeking to participate in the growth of the Web2ToWeb3 platform, this scenario involves purchasing platform governance tokens to become stakeholders. These tokens grant investors voting rights and a stake in platform decision-making. The number of governance tokens held determines the weightage of the investor's vote, allowing them to contribute to the platform's governance and direction.

## Exploring the Practical Applications: Use Cases of Web2ToWeb3 Module Integration:

### 1) Pasu Market - Web3 Verified cattle platform:

Pasu Market introduces a groundbreaking Web3 Verified cattle platform, integrating the Web2ToWeb3 module to uphold the integrity and transparency of verified cattle information. Utilizing blockchain technology, all verified data regarding cattle is securely stored, with each animal assigned a unique QR code. Through a simple QR code scan, customers gain access to comprehensive verified information about the cattle, directly fetched from the blockchain via the Web2ToWeb3 module. This seamless integration empowers customers to make well-informed purchasing decisions based on trustworthy data, thereby enhancing trust and efficiency within the cattle market.

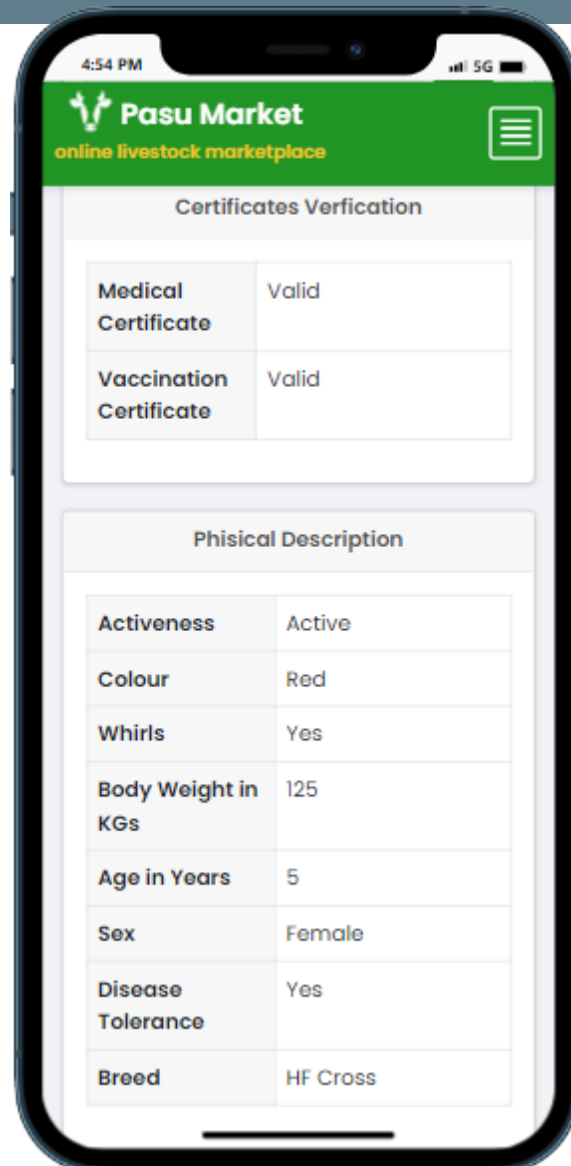


The Web2ToWeb3 module serves as the backbone of this platform, enabling the writing of verified data into the blockchain and facilitating retrieval via QR code scanning. This ensures a seamless and secure experience for all stakeholders involved, reinforcing the credibility of the Pasu Market platform. Through its innovative approach, Pasu Market revolutionizes the cattle market, offering a reliable solution that leverages cutting-edge technology to meet the needs of both buyers and sellers in the industry.

Verification information successfully written into Blockchain.

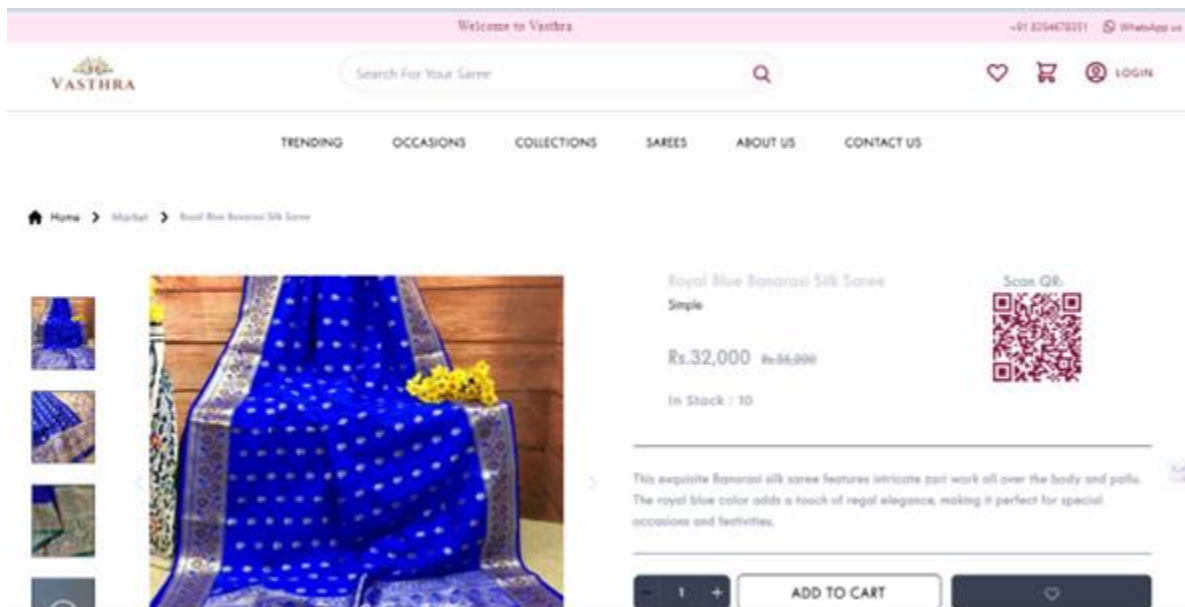
Find below the Blockchain transaction hash. You can click on the transaction hash to verify transaction in blockchain explorer.

[0x30ca457d6110d76f08fcb001a1dffa3b49ea5f2a3f884399c142a67d4aa1f5466](#)



## 2) Vasthra: Redefining E-commerce with Web3 Verified Sarees:

Vasthra revolutionizes saree shopping through its innovative Web3 Verified E-commerce platform, setting a new standard in authenticity and transparency. By harnessing the power of the Web2ToWeb3 module, Vasthra ensures the origin and authenticity of every saree by securely storing verified information in a blockchain. Each saree is equipped with a unique QR code, granting customers instant access to comprehensive verification data directly from the blockchain via the Vasthra Marketplace. This seamless integration empowers customers to make informed purchasing decisions, instilling confidence, and trust in the saree industry.



At the heart of this platform lies the Web2ToWeb3 module, facilitating the smooth writing and retrieval of verified data, thereby offering customers a seamless and secure shopping experience. By seamlessly blending cutting-edge technology with the timeless tradition of saree shopping, Vasthra redefines the shopping experience, enhancing transparency and trust while ensuring the authenticity of each saree. With Vasthra, customers can indulge in the rich heritage of sarees with confidence, knowing that every purchase is backed by verified information stored securely on the blockchain.



### Blockchain Data

**Transaction Hash:** 0xbfb695bd29304179808d355e4bab59860c89c2dc71834d8a556a70e300423959

[Block Explorer](#)

### Verified Saree

**Saree Name**

Crimson Red Kantha Silk

**Seller Name**

Saurav

**Saree Colour**

Red

**Border Colour**

Red

**Fabric Type**

Sample Fabric

**Zari Type**

Gold

**Weight (Grams)**

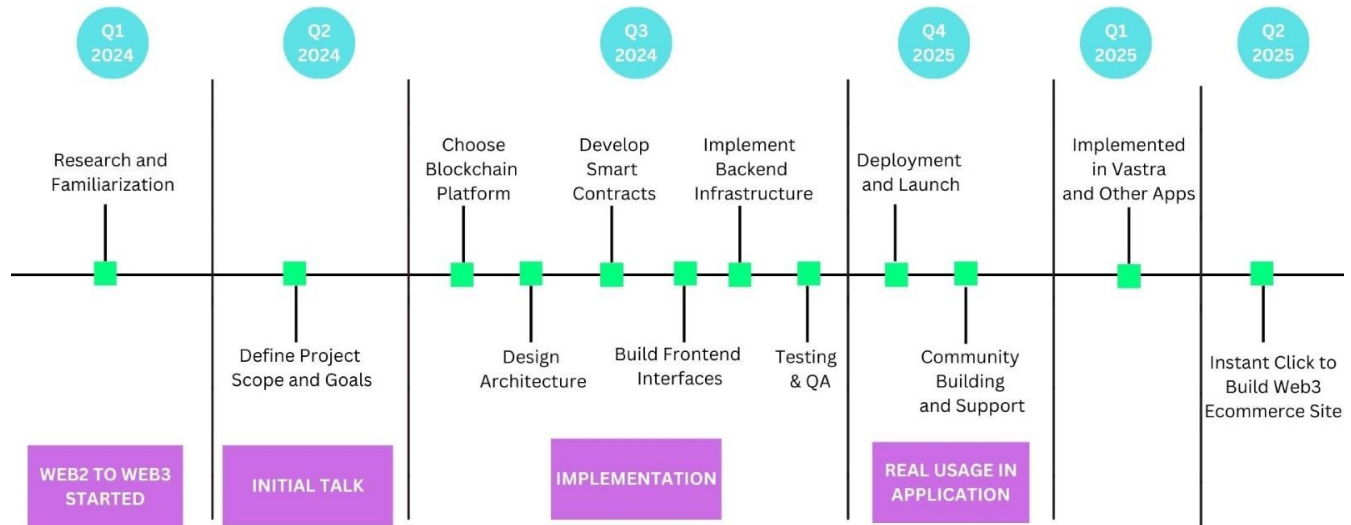
350

**Length (Meters)**





## 6. Roadmap



### Evolution of Web2ToWeb3: A Journey through Implementation and Real-World Adoption

#### Research and Familiarization Phase (Q1 2024)

The inception of the Web2ToWeb3 project in the first quarter of 2024 marked the beginning of an ambitious journey into the realms of decentralized web technologies. This phase was dedicated to thorough research and familiarization with the principles and technologies underpinning Web3. Key objectives included understanding the decentralized ecosystem, exploring blockchain fundamentals, and grasping the transformative potential of decentralized applications (dApps).

Research efforts encompassed various aspects, ranging from blockchain consensus mechanisms to decentralized storage solutions. Teams delved into the nuances of smart contracts, decentralized finance (DeFi), non-fungible tokens (NFTs), and the broader landscape of Web3 platforms. This phase laid the groundwork for informed decision-making and strategic planning in subsequent stages.

## **Preliminary Planning and Objective Definition (Q2 2024)**

With a solid understanding of Web3 principles in place, the second quarter of 2024 saw the project transitioning into the planning phase. Extensive discussions and consultations were held to define clear objectives and delineate the roadmap for implementation. Stakeholders from diverse backgrounds, including blockchain developers, UI/UX designers, and business analysts, contributed their expertise to shape the project's direction.

Key outcomes of this phase included the identification of target use cases, establishment of success metrics, and formulation of a comprehensive project plan. The team conducted market research to assess the competitive landscape and identify potential synergies with existing Web2 platforms. Through collaborative workshops and brainstorming sessions, the project's vision crystallized into actionable goals, setting the stage for the next phase of execution.

## **Implementation Phase (Q3 2024)**

The third quarter of 2024 marked a pivotal juncture as the project transitioned from planning to implementation. Guided by the defined objectives, teams embarked on a multifaceted journey to realize the vision of Web2ToWeb3. A meticulous approach was adopted to ensure that each component of the system aligned seamlessly with the overarching goals.

One of the primary tasks during this phase was the selection of a suitable blockchain platform. After thorough evaluation of factors such as scalability, security, and developer ecosystem, a decision was made to leverage a leading blockchain protocol. Concurrently, architectural blueprints were drafted to outline the structure and interactions of various system modules.

The development effort spanned multiple fronts, including the creation of smart contracts, design of intuitive frontend interfaces, and establishment of robust backend infrastructure. Agile methodologies were embraced to iterate rapidly and respond to evolving requirements. Extensive testing regimes were instituted to validate the functionality, security, and performance of the system, laying the foundation for a robust and reliable solution.

## **Deployment and Launch (Q4 2024)**

As the calendar turned to the fourth quarter of 2024, the culmination of months of diligent effort was at hand. With the completion of development and testing milestones, the Web2ToWeb3 solution was poised for deployment and launch. A coordinated rollout plan was executed to ensure a smooth transition to the production environment.

The launch marked a significant milestone in the project's journey, signaling the commencement of real-world usage. Users were invited to explore the features and capabilities of the

Web2ToWeb3 application, with early adopters providing valuable feedback and insights. Concurrently, efforts were underway to build a vibrant user community, fostering engagement and collaboration around the decentralized ecosystem.

### **Integration with Apps like Vasthra (Q1 2025)**

The dawn of 2025 heralded a new phase in the evolution of Web2ToWeb3, marked by strategic integrations with prominent applications such as Vasthra. These integrations served as a testament to the project's real-world adoption and practical utility. By seamlessly embedding Web3 functionalities into existing platforms, the project extended its reach and impact, catering to diverse user segments.

The integration with Vasthra, a leading e-commerce application, exemplified the synergy between Web2 and Web3 paradigms. Users were empowered to seamlessly transition from traditional online shopping experiences to decentralized commerce, leveraging the innovative capabilities enabled by Web2ToWeb3. This integration underscored the project's commitment to driving mainstream adoption of decentralized technologies, bridging the gap between conventional and decentralized ecosystems.

### **Milestone Achievement: User-Generated E-commerce Web3 Websites (2025)**

A watershed moment occurred in 2025 with the introduction of groundbreaking functionality that allowed users to create their own e-commerce Web3 websites. This transformative feature represented a paradigm shift in the way online businesses were established and operated, democratizing access to the decentralized web ecosystem.

Powered by intuitive templates and streamlined workflows, users can now launch their own Web3 storefronts with unprecedented ease and efficiency. By abstracting away the complexities of blockchain integration and smart contract deployment, the Web2ToWeb3 platform democratized access to decentralized commerce, empowering entrepreneurs, and innovators to realize their vision without technical barriers.

The launch of user-generated e-commerce Web3 websites marked a significant milestone in the project's journey, epitomizing the ethos of decentralization and democratization. As users flocked to embrace this cutting-edge functionality, the project's impact reverberated across the digital landscape, paving the way for a more inclusive and equitable future of online commerce.

## 7. Business Plan

Web2ToWeb3 (W2W3) is a groundbreaking project poised to revolutionize the digital landscape by bridging the gap between Web 2.0 and Web 3.0 technologies. Our platform introduces two distinct tokens: W2W3, a utility token facilitating transactions within the ecosystem, and W2W3G, a governance token empowering investors to participate in decision-making processes.

### **Business Model:**

Web2ToWeb3 operates on a multi-faceted business model, generating revenue through the following channels:

**Token Sales:** Initial token offerings (ITOs) and subsequent token sales provide a primary source of revenue for the project.

**Transaction Fees:** A percentage of transactions conducted within the ecosystem is retained by Web2ToWeb3 as platform fees.

**Premium Services:** Offering premium features and services to users for a subscription fee or one-time payment enhances revenue streams.

### **Pre-Sale ICO:**

#### **Utility Token:**

**W2W3 Utility Token:** Enables users to access and utilize various services within the Web2ToWeb3 ecosystem, including but not limited to content creation, digital asset management, and decentralized applications (dApps) integration.

Web2toWeb3 Tokens will be generated with a supply of one billion tokens. Web2toWeb3 initial coin offering (ICO) will have contribution limits and be capped at \$10 million (ten million). Web2toWeb3 will issue one billion (1,000,000,000) Web2toWeb3 Tokens, which are ERC20 tokens, to establish based on Polygon blockchain technology. These tokens will be offered in a Crowd sale, allowing participants to purchase Web2toWeb3 Tokens early as well as contribute to and support the further development of the Web2toWeb3 Platform. The participants will have the ability to contribute and receive Web2toWeb3 Tokens in exchange for their MATIC to a designated address. Web2toWeb3 Tokens will be sold at a discount in a pre-sale before the ICO, where they will be distributed at an exchange rate of 1 token = \$0.02 equivalent.

## **Governance Token:**

W2W3G Governance Token: Empowers token holders to participate in governance processes, such as voting on proposals, shaping project direction, and influencing strategic decisions. This token ensures democratic governance and community involvement in the evolution of the platform.

W2W3G Tokens will be generated with a supply of 100,000,000 tokens. The initial token distribution will occur through a governance token sale, allowing investors to purchase W2W3G Tokens to participate in the governance of the Web2ToWeb3 project. The governance token sale will have contribution limits and be capped at \$5 million (5,000,000). W2W3G Tokens will be ERC20 tokens, leveraging the Polygon blockchain technology for their infrastructure.

During the governance token sale, W2W3G Tokens will be offered at a rate of 1 token = \$0.05 equivalent. Investors can acquire W2W3G Tokens by contributing their MATIC to a designated address during the same period.

The W2W3G Tokens will serve as the governance mechanism for the Web2ToWeb3 project, enabling holders to vote on proposals, make decisions, and influence the future direction of the project. These governance rights empower investors to actively participate in shaping the development and trajectory of the Web2ToWeb3 ecosystem.

## **Here is how the presale process may unfold:**

**Announcement:** The Web2toWeb3 team will announce the presale period along with the terms and conditions governing the sale. This announcement will typically be made through the project's official website, social media channels, and other relevant communication channels.

**Presale Details:** The announcement will include essential details such as the start and end dates of the presale, the exchange rate for purchasing tokens, accepted forms of payment (such as MATIC), any contribution limits, and instructions on how to participate.

**Token Purchase:** Participants interested in the presale will need to follow the provided instructions to contribute MATIC to a designated wallet address. This contribution will be processed through the Polygon blockchain.

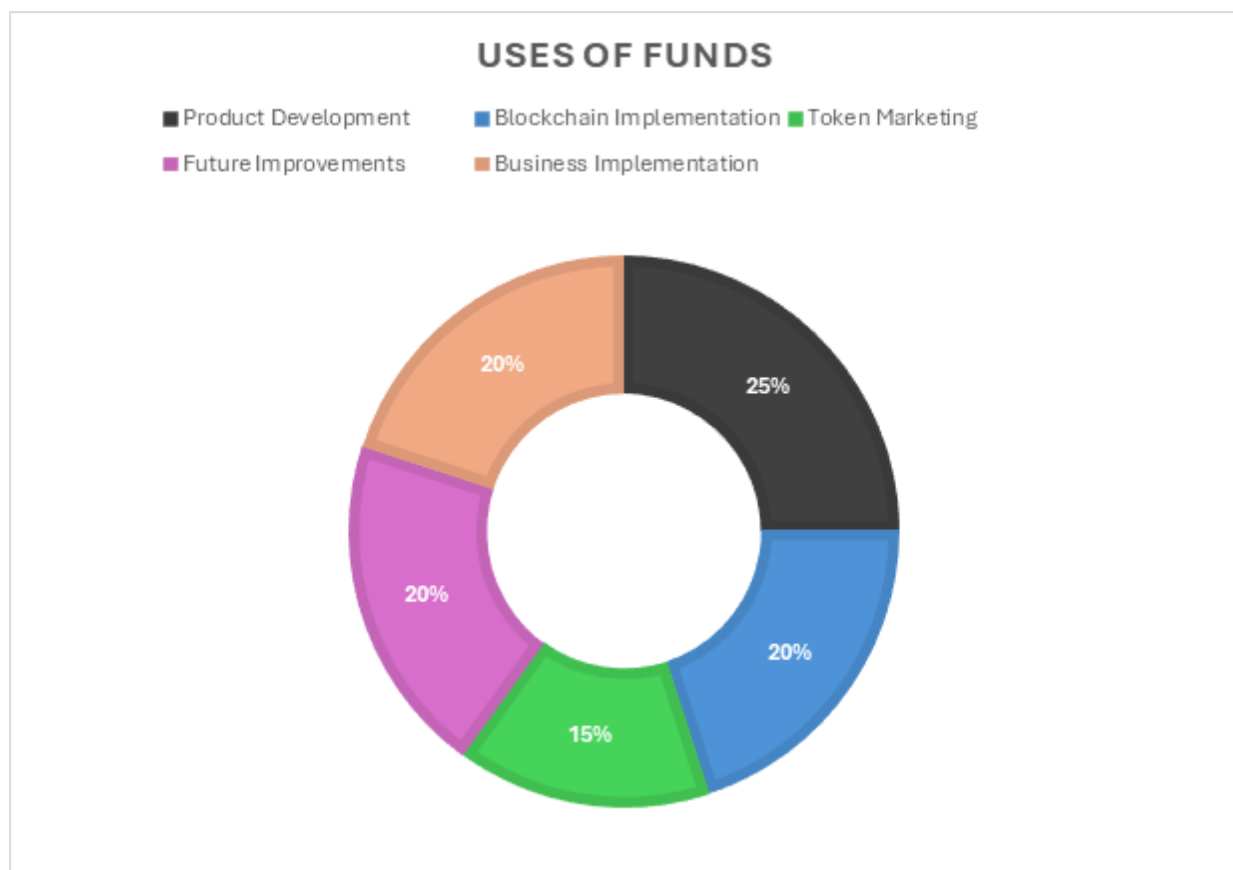
**Discounted Rate:** During the presale, Web2toWeb3 Tokens will be sold at a discounted rate compared to the ICO price. For example, if the ICO price is set at \$0.02 per token, participants in the presale may be able to purchase tokens at a lower rate, such as \$0.015 per token.

**Allocation and Distribution:** After the conclusion of the presale period, the Web2toWeb3 team will allocate tokens to the participants based on their contributions. Tokens will be distributed to the contributors' wallet addresses on the Polygon blockchain.

**Continued Development:** The funds raised during the presale will be used to further develop the Web2toWeb3 platform and ecosystem as outlined in the project's roadmap. This includes activities such as research, product development, marketing, and community building.

ICO	DATE	PRICE	TOKEN	ALLOCATION	SALE
1 <sup>st</sup> ICO	TBD	\$0.02	Web2toWeb3	2%	200,000,00
2 <sup>nd</sup> ICO	TBD	\$0.04	Web2toWeb3	2%	200,000,00
3 <sup>rd</sup> ICO	TBD	\$0.06	Web2toWeb3	2%	200,000,00

Use of fund:





Partner:



SECURECLOUD



## Marketing

### Blockchain and Tech Forums:

Participate actively in forums like Bitcoin talk, Reddit's cryptocurrency subreddit, and specialized blockchain communities to view the regular updates about Web2 to Web3.

### Social Media Platforms:

Twitter: Regular updates, announcements, and key insights about the Web2 to Web3 transition. Utilize relevant hashtags such as #Web2toWeb3 and #Decentralization to reach a about Web2toWeb3.

LinkedIn: Publishing thought leadership articles, case studies, and industry analyses targeting professionals interested in blockchain technology and decentralization.

Discord/Telegram: By creating dedicated channels to interact with community members, answer questions, and provide support and discuss more around the benefits of transitioning to Web3.

### Content Platforms:

Medium: Publishing in-depth articles, tutorials, and case studies explaining the technical aspects and potential use cases of Web2 to Web3 transition. By Sharing real-world examples to illustrate the benefits of decentralization.

YouTube: Creating videos about how the web3 toweb3 chain works, about the token, how to use the SDK to interact with the web2toweb3 application, and interviews with project team members and industry experts. Highlight the functionalities of Web2 to Web3 tokens and their role in driving decentralization.

### **Developer Platforms:**

GitHub: Maintaining an active presence on GitHub by sharing code repositories, developer tools, and documentation related to Web2 to Web3 development. Encourage contributions from the developer community.

Developer Forums: Engage with developers on platforms like Stack Overflow and Dev.to. Provide technical support, address queries, and foster collaboration on Web2 to Web3 integration and implementation.

### **Industry Events and Conferences:**

Participate in blockchain conferences, summits, and hackathons to highlight the project's progress and innovations. Deliver presentations, host workshops, and network with industry professionals to build partnerships and collaborations.

Host virtual events such as webinars and online workshops to reach a global audience interested in blockchain technology and decentralization.

### **Email Marketing:**

By building an email list of subscribers interested in blockchain and decentralized technologies. Send regular newsletters, updates, and announcements about project milestones, token launches, and partnership developments.

### **Partnerships and Collaborations:**

Forge strategic partnerships with other blockchain projects, decentralized applications, and industry influencers. Collaborate on joint marketing campaigns, cross-promotions, and ecosystem integrations to expand the reach of Web2 to Web3 initiatives.

## **8. Disclaimer**

The information provided in this document, including but not limited to tokenomics, development plans, and ecosystem growth strategies, is for informational purposes only and does not constitute financial, investment, or legal advice. Participants should conduct their own research and due diligence before engaging with the Web2ToWeb3 project or its associated tokens.

Investing in blockchain-based projects, cryptocurrencies, and digital assets carries inherent risks, including market volatility, regulatory uncertainty, and technological vulnerabilities. Participants should be aware that the value of digital assets can fluctuate significantly and may result in partial or total loss of investment.

The Web2ToWeb3 project is subject to several factors, including market conditions, technological advancements, and regulatory developments, which may impact its operation and

performance. While efforts have been made to ensure the accuracy and reliability of the information presented, no guarantees are made regarding the completeness, timeliness, or accuracy of the information provided.

The Web2ToWeb3 team, advisors, developers, and affiliates shall not be held liable for any losses, damages, or liabilities arising from the use of or reliance on the information contained herein. Participants are advised to seek independent financial, legal, and tax advice before making any investment decisions or engaging with the Web2ToWeb3 project.

Participation in the Web2ToWeb3 project, including the purchase, holding, or sale of tokens, constitutes acceptance of the terms and conditions outlined in this disclaimer. By engaging with the Web2ToWeb3 project, participants acknowledge and agree to assume all associated risks and responsibilities.

The Web2ToWeb3 project reserves the right to modify, amend, or update the information contained in this document at any time without prior notice. Participants are encouraged to review this disclaimer regularly for any changes or updates.

## 9. Acknowledgements

**WEB2TOWEB3** is brainchild of **Mr. Srinivas Mahankali** who brings a wealth of knowledge to Blockchain and authored over 10 books in Blockchain. We would like to express our gratitude to Mr. Srinivas Mahankali for his vision and contribution to WEB2TOWEB3

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6. Shree Kalyaane
7. Selva Kumar Thangam
8. Hari Prasad Jeganathan
9. Hari Kishore Lakshmipathy
10. Saurav Sarkar

## 10. Annexures

### Web2ToWeb3 Projects:

The Web2ToWeb3 includes ready-to-use templates for diverse ecommerce sectors like real estate, second-hand bikes, second-hand cars, pet ecommerce, and job portals. These templates are pre-built and customizable, allowing users to easily tailor them to their specific needs. Leveraging the Web2toWeb3 plugin, these templates seamlessly integrate traditional web functionalities with Web3 capabilities, offering enhanced security, transparency, and trust. Business owners can swiftly deploy and customize these templates for their ecommerce ventures, streamlining development processes and accelerating time-to-market.

#### 1.PetChain:

Petchain is a pet buying platform that leverages blockchain technology to establish trust and transparency in the pet marketplace. With verifiers ensuring the accuracy of pet data and storing it securely on the blockchain, buyers can make informed decisions without the fear of counterfeit pets. Our integration with the Web2ToWeb3 plugin simplifies blockchain connectivity, while QR codes provide instant access to verified pet details from blockchain. Petchain revolutionizes pet adoption, creating a secure and reliable environment for buyers and sellers.

#### 2.RealChain:

Realchain is an advanced real estate blockchain website designed to provide trustworthy property details verification. In addition to other real estate websites like No broker and Magic Brick, Realchain stands out by offering a robust verification module. This module grants access exclusively to registered verifiers who are responsible for authenticating property details and documents. The verified information is then securely stored in the blockchain using our company's Web2toWeb3 plugin. Realchain simplifies the property verification process, ensuring the accuracy and reliability of property details.

#### 3.CarsValley:

Cars Valley- A blockchain-based solution for buying and selling secondhand cars. With blockchain technology, we provide enhanced security, transparency, and trust for our users. Every transaction is securely stored in a decentralized ledger, eliminating tampering risks. Verified vehicle histories are stored on the blockchain, allowing buyers to make informed decisions.

#### 4.ThrustShop:

Discover the power of blockchain with ThrustShop. Our platform leverages this technology to bring security and transparency to the secondhand bike market. Verified vehicle histories and smart contracts ensure reliable transactions. ThrustShop is leading the way in revolutionizing the industry. the efficiency and trust of blockchain-based bike buying and selling.

#### **5.Vasthra:**

Vasthra is an innovative project aimed at revolutionizing the premium Kanchipuram silk saree industry. Vasthra introduces a seamless ecosystem where sellers and franchises collaborate with end customers to access and showcase exquisite sarees while ensuring authenticity and trust through blockchain technology and the Web2ToWeb3 plugin. This initiative is designed to empower entrepreneurs and stakeholders in the saree industry by providing a platform for seamless collaboration and growth.

#### **6.Verified Careers:**

Verified Careers is a unique job search platform that aims to enhance the credibility and authenticity of job postings by incorporating a verification process. This application allows employers, employees, and verifiers to access the system with different roles and responsibilities. The primary goal is to ensure that the job postings are legitimate and the companies behind them are registered entities. By leveraging blockchain technology, the platform securely stores and displays verified job data, providing job seekers with reliable information.

#### **7.BlockListing:**

Blocklisting, a blockchain-powered marketplace for verified business listings, ensures trust and transparency in every interaction. Each business listing undergoes meticulous verification by a trusted third-party verifier before being securely recorded on the blockchain. Leveraging the immutable nature of blockchain technology, users can rely on the accuracy and integrity of the information presented.

#### **8.ArtChain Gallery:**

Artchain gallery is an innovative painting e-commerce website that aims to provide a platform for artists to sell their paintings while ensuring the authenticity and originality of the artwork. The platform not only connects artists with potential buyers but also incorporates a verification process to give trust and confidence in the marketplace. By leveraging blockchain technology and a dedicated Verifier, Artchaingallery sets itself apart from traditional art marketplaces by providing a transparent and secure environment for art enthusiasts and collectors.

## 11. References

- 1) Data Breach Discovery Time