

# TrueDapp

**An open source web3 social media**

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White Paper, Version 0.7

[www.truedapp.com](http://www.truedapp.com)

In order to protect the privacy of our technology and inventions, we have excluded specific critical elements of TrueDapp from this edition of the white paper. These components will be included in subsequent revisions to the white paper upon official registration or deployment.

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## **1. Introduction**

Recall the year 2008. A global economic crisis swept across the world, from China to the United States. While banks were the causes of this crisis, it was ordinary people who bore the brunt of its consequences, losing their jobs and homes. Emerging from the ashes of this turmoil, Bitcoin was born. By decentralizing banking, it inaugurated a new era in global economics. Banks and governments made concerted efforts to suppress Bitcoin, but ultimately, they had no choice but to accept it. Ultimately, the meteoric rise of Bitcoin rewarded its proponents.

An economic crisis resembles a visible wound causing immediate pain as one's bank account diminishes. A social crisis, however, is more akin to a virus. During its latent period, it reproduces unnoticed, only revealing itself when it may be too late to treat.

As we stand in the year 2024, a pervasive social crisis is unfolding, largely facilitated by social media platforms. A few powerful corporations control the majority of the world's private data. These companies wield such significant market dominance that they effectively stifle the emergence of new social networks. They consolidate their control over an increasingly captive user base by acquiring promising startups. Meanwhile, users find themselves immersed in the superficial veneer of these platforms, aimlessly navigating endless feeds without a clear purpose.

Breaking this monopoly is only possible through public awareness and collective effort. Bitcoin decentralized banking, and now it's time for the second step: decentralizing social networks with TrueDapp. It is the duty of intellectuals and enlightened individuals to raise public awareness and encourage participation in this project. Like Bitcoin, TrueDapp appreciates its supporters and rewards them with Tapcoin for their contributions.

### **1.1 TrueDapp: A web3 social media**

The present rise in the popularity of Web3 has greatly increased the importance of metaverse projects, since many people see the metaverse as closely related to the emergence of Web3. However, the metaverse is strictly a subset of Web3. Furthermore, the majority of users still prefer computer monitors and mobile devices over virtual reality headsets. After the tendency toward the metaverse has diminished, it is now appropriate to provide a social media platform based on Web3 that covers the whole range of Web3 components. TrueDapp is a Web3 social media platform that enables users to generate content and value, thereby facilitating the transfer of assets and value without relying on a central governing body.

### **1.2 TrueDapp: An open source social media**

Social media platforms have emerged as one of the most widespread online leisure activities for users. These platforms enable users to share massive amounts of data and extremely sensitive information. A great many social media networks are not open-source, and the procedures employed to retain and utilize user data often lack transparency. The absence of full transparency gives rise to the possibility of data abuse and undermines the confidence of users. The internet is abundant with reports of data breaches and infringements on privacy. TrueDapp places a high value on safeguarding user privacy and mandates the use of open-source code to provide users and specialists with unequivocal access to data management, thereby enabling them to actively

participate in its enhancement. The Git repository for the TrueDapp project publicly is available at [truedapp.com](https://truedapp.com).

### **1.3 TrueDapp and blockchain**

The objective of TrueDapp, a Web3 social media platform, is to optimize the process of value transfer. Moreover, it is advisable to organize a substantial amount of data in a decentralized manner in order to improve both accessibility and security. Consequently, blockchain technology serves as the foundation for TrueDapp, enabling both decentralized value transfer and decentralized data storage, thereby maximizing transparency.

### **1.4 TrueDapp and AI**

Artificial intelligence (AI) and its applications are a highly advanced subject in computer science, with the continuous emergence of new use cases. Prominent information technology firms are currently heavily utilizing AI in their products. Search engines and social media applications use AI to tailor the delivery of content to specific users.

With increased user engagement with these products, the AI's comprehension of their preferences grows increasingly sophisticated, facilitating the provision of highly tailored information. Furthermore, these solutions employ this cognitive capacity to provide targeted advertising.

Simultaneously, the advancement of large language models (LLMs), as well as the creation of various agents and AI software engineering projects, have resulted in a wide range of tools available to users. We will produce several components of this project using AI, tools like Open Devin, and Open UI development frameworks.

The following sections will provide detailed explanations of the five main categories in which TrueDapp will advance its artificial intelligence development.

#### **1.4.1 Cognitive blockchain**

Machine learning technology can have a significant impact on blockchain development. Each node can gradually detect malicious and illegal transactions by implementing a machine learning algorithm. It can prevent these transactions from processing by reaching consensus with other nodes.

#### **1.4.2 AI solution-maker**

Artificial intelligence can analyze data and feedback to identify the needs and weaknesses of an ecosystem and suggest appropriate solutions. Users will vote on these solutions through a DAO and decide on their implementation.

#### **1.4.3 AI-augmented**

We will make the TrueDapp source code publicly available, enabling users and developers to contribute to code improvements. However, many users may not be software developers. To address this, they can leverage AI-powered tools like Open Devin and Open UI to generate custom code and submit it to the TrueDapp team. Following a community review and audit by the TrueDapp team, these contributions will be considered for inclusion in future app versions. In this way, users can actively participate in the development process and influence the project's direction.

#### **1.4.4 User profiling and personalized content delivery**

In order to tailor the user interface to your individual preferences, AI algorithms will analyze non-private user data during your interaction with TrueDapp. The platform optimizes the environment to align with your personal preferences. This customization refines the whole user experience inside the TrueDapp ecosystem.

#### **1.4.5 Data analysis and actionable insights**

Social media platforms generate vast quantities of non-private data that can be subjected to artificial intelligence analysis to extract valuable insights. These insights have a wide range of applications, from informing the development of social media platforms to providing valuable data for enhancing societal well-being and individual social mobility.

### **1.5 TrueDapp and MetaVerse**

Despite the widespread understanding of the metaverse as a virtual realm that encompasses living, working, and playing, current metaverse projects fall short of this ambitious vision. Many of these virtual worlds offer subpar visual experiences, often inferior to those found in traditional video games, and lack the immersive quality necessary for a second-life experience. Furthermore, a significant portion of existing metaverse projects are essentially games, reducing the metaverse to a mere gaming platform. Is this the Web3 revolution? Certainly not. While many of these metaverses leverage Web3 technologies, they often fail to deliver a satisfactory user experience. Users seek a metaverse that mirrors real-life experiences without its limitations, akin to modern filmmaking. The film industry primarily uses real-world footage, enhancing content with special effects and creating elements that would be impractical or costly to produce in reality.

The TrueDapp team is pioneering a technology to construct a metaverse, dubbed "TrueVerse," that seamlessly integrates real-world experiences through 360-degree live-streamed content. Coupled with a blockchain-based financial ecosystem, this technology has the potential to create a virtual realm offering users an idealized quality of life. This capability allows for the experience of real-world events, meetings, and various forms of entertainment without the limitations of the physical world. Statistical data indicates a relatively low market dominance of metaverse tokens, suggesting that while blockchain technology is primarily associated with decentralized finance and, consequently, metaverses, existing metaverses have yet to achieve widespread adoption for work, social interactions, and entertainment. Existing metaverse token holders primarily consist of traders and holders. As a result, a metaverse with the ability to provide an exceptional virtual experience can draw in millions of users.

### **1.6 What is the Trust Factor?**

Trust is a paramount metric within TrueDapp, serving as the foundation for user interactions and influence within the social media platform. A numerical value ranging from zero to one hundred represents this metric. A user's trust factor starts at zero when they join the platform. This factor gradually grows through active engagement and the accumulation of trust from other users. Conversely, actions that diminish trust will result in a decrease in this metric. All published content prominently displays the user's trust factor, allowing users to distinguish credible content from less reliable information. Moreover, in polls and surveys, each individual's influence is directly proportional to their trust factor, with users with a trust factor of zero exerting minimal impact.

Each user's profile page publicly displays this parameter, along with other attributes like honesty and responsibility.

### **1.7 What are Tapcoins, and what is its utility?**

What is the most crucial tool in the real world? Money. Currency facilitates the exchange of goods, services, assets, energy, and more. It is an integral component of any civilization or society. Similarly, every community, including social media platforms, requires such a medium of exchange. Within TrueDapp, the Tapcoin serves as the equivalent of real-world currency, enabling the exchange and utilization of various assets and services. We will discuss some of the wide range of applications of the Tapcoin below.

#### **1.7.1 Platform accessibility**

Holders of Tapcoins exclusively gain access to the TrueDapp platform, akin to needing a nation's currency to engage in its economy. Just as one needs the local currency to access goods and services within a country, Tapcoins serve as the key to accessing the TrueDapp platform. Platform entry, asset acquisition, NFT purchases, service fees, and reward distribution are among the uses for Tapcoins. Notably, upon initial sign-up, users receive a complimentary airdrop of Tapcoins.

#### **1.7.2 Reward distribution and the reduction of non-essential activities and data**

Social media platforms currently share a vast amount of data. This data not only fails to enhance users' experience, but also results in a waste of time and energy. Furthermore, it causes a multitude of social dysfunctions, to the point that many current social media platforms have become anti-social media. In TrueDapp, users are required to pay a fee for each post of information they publish, with the cost increasing proportionally with the size of their audience. This mechanism effectively discourages the dissemination of unnecessary and unhelpful information.

On the other hand, TrueDapp and the post publisher split the Tapcoin reward users receive for each like and comment. This incentivizes publishers to create valuable content by providing them with a monetary reward and encourages the production of higher-quality content. Moreover, the requirement to pay for likes and comments serves to reduce the amount of spam within the network.

TrueDapp rewards users with Tapcoins when they contribute necessary data to the network or update existing information to develop various social media components, such as profiles.

Most activities within TrueDapp are transactions on a blockchain, and each transaction requires a transaction fee. However, the transaction fee on the TrueDapp chain is nearly zero, which inherently discourages unproductive and spammy activities.

#### **1.7.3 User monetization**

In TrueDapp, users can generate income through various means. Users can earn revenue by publishing high-quality posts and receiving rewards in the form of likes and comments, or by contributing valuable data for which the platform provides compensation. Additionally, users have the option to publish premium content and charge for access or subscriptions. Furthermore, users can earn money by allowing others to post content on their walls. TrueDapp distributes earnings in the form of Tapcoins, providing a multitude of revenue-generating opportunities.



#### **1.7.4 Governance**

TAP is a governance coin that enables users to participate in platform decision-making. In TrueDapp, utilizing a DAO structure, users can exercise voting rights in all key decisions or delegate their voting power to other users. The foundation maintains control over platform development and direction until maturity, but after community formation and the establishment of a sufficient financial fund, the community will take over platform governance and decision-making, with all decisions made through voting. Foundation members will have the same voting rights as any other user, allowing them to influence platform direction solely through their votes. This mechanism will ensure the platform achieves the highest form of democracy.

#### **1.7.5 Tax collection**

Following the launch of Tapcoins and NFT sales, which fund platform development and the reward system, TrueDapp requires additional revenue to cover operational costs and facilitate further growth. Like advanced human societies, taxation will generate these funds. We will automatically deduct this tax from all transactions and transfer it to a designated tax wallet.

#### **1.7.6 Financial section**

The economic model of TrueDapp mirrors that of developed countries, requiring the utilization of tools like banking, lending, and credit scoring. Consequently, TAP is required to implement these models. In TrueDapp, banking operates in a manner significantly divergent from conventional systems. In this model, token holders are effectively the banks' owners, exercising voting rights in all operational decisions. Unlike the real world, where individuals are often at the mercy of financial institutions, TrueDapp places banks at the service of the people, limiting their role to facilitating commercial activities.

### **1.8 What is the plan?**

Currently, the TrueDapp team is attempting to recruit developers to develop an application, a custom blockchain, a decentralized exchange (DEX), a decentralized autonomous organisation (DAO), tokens, crowdfunding, and 360-degree live streaming technology. Simultaneously, the necessary websites and corresponding services are being developed. The team's initial focus is on maximizing community engagement. By implementing various marketing strategies, the platform aims to foster a referral system where new users invite others to join. Partnerships with celebrities and influencers will subsequently generate excitement. Simultaneously, we will develop the platform into a robust business hub, offering users a conducive environment for their ventures. At this stage, we will empower the community by delegating certain tasks and providing funding for projects, thereby preparing them to steer the direction of TrueDapp. Ultimately, TrueDapp will enter its golden age with the release of the final DAO version and the subsequent election of a governing board.

### **1.9 Challenges and Risks**

According to various assessments, TrueDapp, the party responsible for risk disclosure, has identified a number of challenges and risks through an expert panel. These factors may influence the decisions of potential Tapcoin purchasers. The following are the most significant challenges and risks currently identified:

- Insufficient user acquisition to build a robust community.
- Insufficient funding hinders the execution of projects.
- Secure data storage and global accessibility.
- Implementation and support of 360-degree live streaming for high-quality, large-scale events.
- Anticipating and preventing fraud and misconduct within TrueDapp.
- A legal framework for addressing fraud and misconduct.
- Attracting artists, athletes, celebrities, and influencers.
- Empowering the community in platform development.
- Compatibility with a variety of software and hardware.
- Implementation of blockchain-based fintech.
- Execution of blockchain-based projects and services in a rapidly evolving technology landscape.

Inevitably, TrueDapp will encounter additional challenges as it progresses through its development phase while simultaneously addressing many of the existing ones. The subsequent whitepaper will provide an updated overview of these challenges and associated risks.

## **2. TrueDapp**

### **2.1 Overview**

TrueDapp is a suite of projects designed to create an engaging environment that offers a multitude of features. In essence, TrueDapp is an optimized, upgraded, and decentralized version of social media platforms. Implementing transparent rules aims to eliminate limitations and foster a democratic ecosystem. Furthermore, TrueDapp seeks to leverage user input and capabilities to construct an ideal social network.

### **2.2 Mission**

The TrueDapp team is committed to developing a platform that empowers individuals to create, share, and monetize content. Additionally, the team seeks to establish an infrastructure that enables users to bring real-world experiences into the metaverse through virtual events, free from temporal or spatial constraints. By empowering the community, providing the necessary tools for platform development, and implementing a decentralized governance structure, TrueDapp aims to reach its full potential. Through this strategy, TrueDapp can continue to grow and evolve without the need for central control.

### **2.3 Vision**

The foundation's vision is to establish an ideal social media platform by leveraging human capacity, blockchain technology, information and communication technology, and artificial intelligence. The public display of metrics such as trust, responsibility, honesty, kindness, generosity, and loyalty encourages individuals to strive for self-improvement. TrueDapp, with all its capabilities, assists users in enhancing their behavioral indicators.

### **3. Application components**

The TrueDapp application provides users with access to all of TrueDapp's tools, features, and user interfaces. We will describe the various components and sections of this application in detail below.

#### **3.1 Social Media**

TrueDapp serves as a social media platform for sharing various forms of content, including videos, images, and text. Specifically, it encompasses the following:

##### **3.1.1 Home**

On this page, users can view their own posts as well as those of the people they follow. They can interact with these posts by liking, disliking, or commenting. Additionally, if the original poster has enabled sharing, users can repost the content.

##### **3.1.2 Wall**

This is one of the most intriguing features of the application. On this particular page, users are unable to post content themselves. Instead, other users post on this page. Users can purchase ad space on this wall for a fee that is proportionate to the number of their followers. You can use this mechanism to send birthday greetings, congratulate others, or spread advertisements.

##### **3.1.3 Profiles**

Profiles serve as platforms to showcase individuals' attributes. Users rate each other using a set of general parameters, and display the average of all ratings for a specific attribute, weighted by the rater's trust factor. Users can add or remove behavioral attributes such as trust, honesty, social personality, loyalty, credibility, knowledge, intelligence, sociability, politeness, generosity, ethics, and responsibility based on their feedback.

##### **3.1.4 My profile**

On this page, users can view the opinions of others regarding their general attributes. Furthermore, they can visualize the trajectory of their behavioral changes as perceived by others, allowing them to assess the impact of their actions and the subsequent alterations.

##### **3.1.5 Instant messaging**

The TrueDapp application incorporates an instant messaging feature that supports two types of messages: standard and priority. Users have the option to prioritize their messages within the recipient's inbox by expending a certain quantity of Tapcoins.

#### **3.2 Trends**

This section of the application showcases trending content within the TrueDapp ecosystem, which can encompass a variety of media, including videos, images, user profiles, and even fan token crowd sales.

#### **3.3 Apps**

This section includes mini-applications created by either the TrueDapp development team or the user community.

### **3.4 dApps**

This segment houses decentralized applications (dApps) developed by either the TrueDapp development team or the user community.

## 4. Projects

TrueDapp is an aggregation of diverse projects, each contributing unique functionalities. Collectively, these projects equip TrueDapp with the comprehensive suite of features characteristic of a social media platform. However, given the vast array of potential projects, the TrueDapp team has prioritized a subset for development within a five-year roadmap. These projects, meticulously selected from a comprehensive list, are as follows:

### 4.1 TrueFan

You may have encountered the challenge of determining the relative popularity of celebrities, athletes, or influencers worldwide. A related question is whether the number of followers these individuals have on social media platforms is accurate. Despite ongoing efforts by social media companies to eliminate fake followers, many struggle to eradicate this issue. Whenever these platforms update their algorithms to detect fake accounts, many influencers experience a decline in their follower count. Furthermore, a significant number of individuals with large social media followings are unable to translate this online popularity into tangible financial gains through sponsorships. TrueFan offers a solution to these challenges. This service introduces fan tokens, distributed through other TrueDapp services, in collaboration with popular figures. The market value of these fan tokens serves as a genuine indicator of an individual's global popularity. Furthermore, by monitoring the value of their tokens, celebrities can receive immediate feedback on their public image. Additionally, the sale of fan tokens generates significant revenue for these individuals. Conversely, by requiring users to expend fan tokens when engaging in activities such as commenting or liking, the platform effectively mitigates spam.

### 4.2 TrueEye

TrueEye is a 360-degree live streaming service that comprises custom 360-degree cameras, high-capacity streaming servers, and output views compatible with virtual reality headsets, mobile devices, tablets, and computers. These cameras, which were initially provided to partners by the foundation, enable live broadcasting of events to a global audience. However, the specific applications and use cases for this product warrant further exploration. Many of us have experienced the frustration of being unable to attend events we would have liked to, such as a football match, a fashion show in Italy, or a friend's graduation ceremony. These limitations, often imposed by distance or other constraints, prevent us from fully participating in the experiences we value. By installing 360-degree cameras at these events, TrueEye offers a solution that transcends geographical boundaries. Wherever a spectator seat exists, TrueEye can provide an immersive, virtual presence. Imagine the extraordinary experience of watching a football match through just three cameras strategically placed in a stadium: one focused on the spectator seats, another on the players' entrance tunnel, and a third positioned near the bench. This immersive viewing experience offers perspectives that even those physically present in the stadium cannot access. TrueEye, a comprehensive platform, encompasses various sub-services, including (1) TrueSport, (2) TrueShow, (3) TrueAcademy, (4) TrueHealth, and (5) TrueFashion. TrueEye serves as the foundation for these specialized services, gradually introducing them to users.

#### **4.2.1 TrueShow**

The primary objective of this 360-degree live streaming service is to broadcast music concerts, theater performances, and cinema screenings. This service's development strategy revolves around leveraging celebrities and their popularity.

#### **4.2.2 TrueSport**

TrueSport is a 360-degree live streaming service that aims to broadcast sporting events to a wide audience. The foundation's staff will initially launch the service in collaboration with partners involved in popular sports.

#### **4.2.3 TrueFashion**

A global audience, spanning from China to the United States, expresses a keen interest in attending fashion shows. However, the logistical constraints of traveling to multiple countries to witness renowned fashion events are prohibitive for many. This service, utilizing a single camera, enables a vast audience to experience the exclusivity of fashion shows within the confined spaces of these venues. Furthermore, it integrates with TrueShopping, allowing for the simultaneous purchase of products showcased during the event. Imagine a scenario in which users are watching a fashion show via the TrueFashion service. A well-known celebrity places an order for a specific item, broadcasting this action to all other viewers simultaneously. Consequently, this action triggers a surge in orders for the same product. This event exemplifies a win-win situation. The celebrity gains satisfaction from the widespread adoption of their choice; users derive pleasure from purchasing the same item as their favorite celebrity; and the fashion designer benefits from a substantial increase in sales within a short timeframe.

#### **4.2.4 TrueAcademy**

This service is fundamentally educational, aimed at expanding high-quality, low-cost educational opportunities for people worldwide. For instance, a single seat at MIT could accommodate millions of talented and eager students who, for various reasons, cannot physically attend the institution. Medical education is another prime example of this concept. Most medical students not only aspire to observe surgeries performed by world-class surgeons but also require ample hands-on experience. This service allows thousands of students to participate in surgeries performed by leading professors without disrupting the surgical procedure or compromising patient care. We anticipate a partnership between TrueDapp and renowned global universities, given the noble objectives of this service.

#### **4.2.5 TrueHealth**

This service, as its name implies, facilitates the remote delivery of healthcare services. Telepsychology is a prime example. While many individuals worldwide recognize their need for psychological support, personal barriers often deter them from seeking in-person therapy. This service offers a virtual therapy room, enabling individuals to engage in therapeutic sessions with a psychologist without revealing their identity.

### **4.3 TrueGames**

The metaverse implemented gaming as its inaugural application. TrueDapp incorporates gaming capabilities. TrueDapp categorizes games into two primary types: blockchain-based games,

commonly presented as decentralized applications (DApps), and metaverse-based games. The latter category encompasses games set in virtual worlds that mirror real-life scenarios, created by the foundation, partners, or users. Subsequent whitepaper updates will elaborate on games such as Zombie Land and Constantine.

#### **4.4 TrueCharity**

We will use this service for philanthropy and charitable fundraising.

#### **4.5 TrueDex**

TrueDapp has a proprietary decentralized exchange (DEX) built on its own blockchain, which utilizes a native token called TEX. The project's whitepaper will detail a comprehensive overview of the TrueDex project.

#### **4.6 TrueShopping**

This platform serves as TrueDapp's official marketplace. It enables users to acquire a diverse range of tangible and digital assets, from concert and theater tickets to non-fungible tokens (NFTs).

#### **4.7 TrueAds**

While digital advertising on mobile and computer applications often intrudes upon users' experiences, and television commercials frequently annoy viewers, urban advertising presents a more nuanced case. Traditional billboards and other outdoor advertisements not only avoid causing annoyance but can also enhance urban aesthetics through their visual diversity. Imagine, however, if urban advertising were personalized, displaying content tailored to individual preferences—a billboard advertising your favorite artist's concert, a poster for a long-awaited film, or a book you've been searching for. TrueAds aims to leverage artificial intelligence to analyze user behavior and preferences, thereby optimizing advertising within the TrueVerse urban environment. We plan to implement TrueAds in a future phase, provided that TrueDapp's user base significantly increases and a dynamic community forms.

#### **4.8 TrueBank**

TrueDapp hosts Tapcoin and a diverse range of tokens, including TAD, fan tokens, and NFTs, each possessing intrinsic value and the capacity to generate credit. A platform is required to facilitate the exchange of these values between themselves and other cryptocurrencies. Furthermore, we need a mechanism to manage project budgets, disburse loans to qualified projects or individuals, and distribute dividends to holders. Conversely, the trueverse aims to serve as a second life. To achieve this, we need to make the transfer of funds between the trueverse and real life as easy as transferring money through mobile and internet banking, as well as facilitate the conversion of Tapcoin and fiat currencies. The complexity of these operations extends beyond a simple exchange or smart contract. In addition to establishing a branch in the Trueverse, Truebank will also set up a physical branch in the real world. This will allow it to provide customers with both virtual and in-person services, acting as a bridge between the virtual and global economies. Individuals will be able to transfer money, collateral, or credit between the Trueverse and the real world. These capabilities will attract significant new investments into Truedapp and the cryptocurrency economy. In this phase of the project, Truebank will offer customers services such



as mobile banking, internet banking, debit cards, and credit cards. Consequently, the user community elects a board of directors to govern TrueBank, consolidating all such activities.

#### **4.9 TrueFriends**

In contemporary society, there exists a prevalent void in many individuals' lives for a close, trustworthy, intelligent, and knowledgeable companion. Concurrent with this, advancements in artificial intelligence have enabled the creation of virtual personalities. Leveraging this capability, it is now feasible to cultivate digital friendships characterized by unwavering loyalty, discretion, and up-to-date knowledge tailored to the unique preferences and interests of the user. These AI companions, devoid of envy, deceit, or personal competition, can offer guidance, education, personalized news updates, companionship during solitude, decision-making support, and assistance with various tasks. This endeavor is known as True Friends. While the journey is arduous, the TrueDapp team is committed to this ambitious goal, anticipating significant progress through collaborative efforts between the community and the development team.

#### **4.10 True Media**

This is a premium video distribution service that enables content creators to disseminate their video content on a subscription basis.

#### **4.11 TrueDapp Chain**

Social media and metaverse platforms generate a substantial volume of transactions, particularly as user bases expand. This necessitates a high-throughput blockchain with minimal transaction fees. To address this demand, TrueDapp will leverage its proprietary blockchain, the TrueDapp chain, which offers near-zero transaction costs.

## **5. Economy**

Supply and demand determine all prices in TrueDapp's open-market economic model. This section will examine revenue and expenditure data across three primary stakeholders: the foundation, users, and the government.

- The foundation comprises founders, accelerators, executives, developers, marketers, and other operational teams who collectively steer the platform during its formative years.
- Users are defined as all individuals who use TrueDapp's suite of services and hold TAP, TAD, NFT, or fan tokens.
- Governance: A user-driven electoral process will determine governance following the platform's substantial growth. A community-based taxation system will fund the platform.

### **5.1 Income and expenses**

#### **5.1.1 Foundation income and expenditures**

##### **5.1.1.1 Foundation income**

Two primary sources of revenue for the foundation are the sale of virtual assets and crypto currencies. These assets encompass NFTs and their corresponding digital properties. Auctions sell the assets according to a predetermined schedule. An initial minting of 21 trillion Tapcoins will occur. Subsequently, a block reward of 100,000 Tapcoins will be distributed to validators in each block. This reward will be subject to a halving mechanism, reducing by half with each halving event. A hard cap of 100 trillion Tapcoins has been established, limiting the total supply. Similarly, each fan token has a fixed supply of one billion. The tables below detail the allocation of revenue from the sale of TAP and fan tokens.

**Table 1. Price and sale strategy**

| No. | Sale strategy                    | Price      | Quantity      |
|-----|----------------------------------|------------|---------------|
| 1   | Airdrop                          | Free       | 1000000000000 |
| 2   | Rewards                          | Free       | 1000000000000 |
| 3   | Foundation                       | Reserved   | 1000000000000 |
| 4   | Marketing                        | Reserved   | 1000000000000 |
| 5   | Partners                         | Reserved   | 1000000000000 |
| 6   | Fairytale program                | 0.00000032 | 1000000000000 |
| 7   | Fairytale program-DEX            | 0.00000064 | 1000000000000 |
| 8   | Fairytale program -DEX           | 0.00000128 | 1000000000000 |
| 9   | Fairytale program-DEX-launch pad | 0.00000256 | 1000000000000 |
| 10  | Fairytale program-DEX-launch pad | 0.00000512 | 1000000000000 |
| 11  | Fairytale program-DEX-launch pad | 0.00001024 | 1000000000000 |
| 12  | Fairytale program-DEX-launch pad | 0.00002048 | 1000000000000 |
| 13  | Fairytale program-DEX-launch pad | 0.00004096 | 1000000000000 |
| 14  | Fairytale program-DEX-CEXs       | 0.00008192 | 1000000000000 |
| 15  | Fairytale program-DEX-CEXs       | 0.00016384 | 1000000000000 |
| 16  | Fairytale program-DEX-CEXs       | 0.00032768 | 1000000000000 |
| 17  | Fairytale program-DEX-CEXs       | 0.00065536 | 1000000000000 |
| 18  | Fairytale program-DEX-CEXs       | 0.00131072 | 1000000000000 |
| 19  | Fairytale program-DEX-CEXs       | 0.00262144 | 1000000000000 |
| 20  | Fairytale program-DEX-CEXs       | 0.00524288 | 1000000000000 |
| 21  | Fairytale program-DEX-CEXs       | 0.01048576 | 1000000000000 |

**Table 2. Fan Token Revenue Allocation**

| Stakeholder                   | Overall percentage | Token count |
|-------------------------------|--------------------|-------------|
| Prominent figure (Influencer) | 80%                | 800000000   |
| Foundation                    | 20%                | 200000000   |
| Sum                           | 100%               | 1000000000  |

**5.1.1.2 Foundation expenses**

The foundation's expenses are paid from pre-determined budget lines, and each budget will be spent only in the same area.

**Table 3. Foundation budget allocation**

| A Budget line item             | Overall percentage |
|--------------------------------|--------------------|
| Development                    | 24%                |
| Fairytale program              | 40%                |
| Team                           | 12%                |
| Partners                       | 18%                |
| Legal and infrastructure costs | 2%                 |
| Angel investors                | 4%                 |

### 5.1.2 Individual user income and expenditures

#### 5.1.2.1 User income

Most users earn money on TrueDapp based on their expertise or activities. On TrueDapp, users can generate income through a variety of methods, including:

- Publishers: Through the production of high-quality content and the acquisition of likes and comments.
- Influencers: By receiving and publishing promotional posts on their own walls.
- Developers: Collaborating and participating in foundation or government projects, or building services based on the TrueDapp platform.
- Architects and civil engineers: Through the construction and design of structures, and the sale of their corresponding NFTs.
- Marketers: By selling TrueDapp services or participating in the sale of Tapcoins, fan tokens, and NFTs.
- Photographers: By taking photos of real-world environments in exchange for Tapcoins, which are used in the creation of digital twins of famous places.
- Instructors: Using the TrueAcademy service.
- Therapists: Utilizing the TrueHealth service.
- Models: By hosting private fashion shows on the TrueFashion platform.
- Gamers: To participate in competitive gaming events.
- Non-expert individuals: Financial compensation for engaging in social initiatives. and numerous varied ways of earning income.

#### 5.1.2.2 User expenses

TrueDapp is a free platform, but users will incur costs if they choose to create and publish content or utilize premium services. Users can withdraw their earnings in the form of Tapcoins or other cryptocurrencies and transfer them to the real world.

### 5.1.3 Government income and expenses

#### 5.1.3.1 Government income

The government intends to guide and develop the platform post-maturity, with its members selected by the users. The government will finance its expenditures through the following channels: The fees collected during platform financial transactions are detailed in the table below.

**Table 4. Taxes in TrueDapp**

| Tax                              | Overall percentage |
|----------------------------------|--------------------|
| Social Media Transaction Tax     | 50%                |
| Transaction tax on NFT sales     | 5%                 |
| Transaction tax on service sales | 9%                 |

The foundation will manage this tax until the formation of the government, after which its users will manage it.

#### **5.1.3.2 Government expenses**

We exclusively allocate and expend all funds received in the government tax fund on projects that have received sufficient user approval. We will not disburse any funds from the government tax reserve to any individual, foundation, or company without prior user consent. A multi-signature wallet and a decentralized autonomous organization (DAO) manage the tax reserve fund.

### **5.2 Tokenomics**

The TrueDapp platform tokens consist of TAP, TAD, NFTs, and fan tokens.

#### **5.2.1 Tapcoin**

The TrueDapp platform uses TAP, as its primary currency for intra-network transactions within its ecosystem.

#### **5.2.2 TAD Token**

TAD, or the TrueDapp Dollar, is an ERC-20-compliant stablecoin pegged to the US dollar. We specifically use it for valuations that require a fiat currency benchmark. We mint the token as needed and lock a corresponding amount of Tapcoins to maintain parity.

#### **5.2.3 NFTs**

TrueDapp, which is based on ERC-1155 and ERC-721 standards, uses NFT tokens for ownership recording and transfer.

#### **5.2.4 Fan tokens**

Previous sections have explained the applications of fan tokens. We create one billion tokens, each with their own name and symbol, at the request of each celebrity, athlete, influencer, etc. The TrueDapp team builds these tokens by inheriting their library and provides them to users through the TrueDapp platform. The standard for these tokens is ERC-20.

### **5.3 Fairytale program**

This project is entirely community-based and relies on individuals' collaboration to execute. Table 1 outlines the distribution method and pricing. The sale of Tapcoin will commence with the fairytale program and subsequently continue through listings on DEXs, launchpads, and cryptocurrency exchanges. The fairytale program serves as the initial distribution method for Tapcoin. The mechanism involves any individual submitting a request to initiate a 'tale' on the truedapp website, thereby receiving a unique address. By contributing any amount of tokens, even less than one cent, users can associate their address with this 'tale.' Subsequently, they can share their 'tale' address with others, enabling them to contribute to the same address. Upon completion of the Tapcoin distribution, which is estimated to cost 20 billion dollars, token purchasers will receive their rewards. Within the Fairytale program, users can make payments using a variety of cryptocurrencies. The price of the cryptocurrency at the time of transaction confirmation determines the value of each payment. The purchasers will receive the equivalent value in Tapcoin upon the launch of the Truedapp chain. For the fairytale program, we have developed three reward systems:

1. The initiator of each tale receives a percentage of the total Tapcoins sold in that tale, proportional to the amount of their first transaction, according to Table 5.

**Table 5. Fairytale program marketing commission**

| <b>Purchase amount</b>     | <b>Commission Percentage</b> |
|----------------------------|------------------------------|
| <b>Less than 100 USD</b>   | 1%                           |
| <b>100-200 USD</b>         | 2%                           |
| <b>200-500 USD</b>         | 3%                           |
| <b>500-1000 USD</b>        | 4%                           |
| <b>1000-10000 USD</b>      | 5%                           |
| <b>More than 10000 USD</b> | 7%                           |

2. The Fairytale program will equitably distribute a universal reward of around 4 billion dollars, derived from the proceeds of Tapcoin sales, among all participants. This distribution will encompass even those individuals who contributed less than one cent.
3. All participants in the tale that generated the highest sales will equally receive a reward of around 4 billion dollars from the proceeds of Tapcoin sales. This includes even those who contributed less than 1 cent.

For example, if we create 10,000 tales and the best tale draws 10,000 participants, we will award a universal reward of \$40 to each individual. Additionally, the best tale will award each participant with \$400,000.

Pioneer Tale is a public tale that everyone can send any token or coin except Bitcoin in any amount to it for purchasing Tapcoin.

Pioneer public tale address:

**“0xaeFE7e462c25b8D481f4748205449a3A4CDE3724”**

The Satoshi Tale is a public tale for those who intend to purchase tapcoin using bitcoin.

Satoshi tale address:

**“bc1qk9cdmnnvu0yndn8ecauqezg98gkt82wpple8tr”**

#### **5.4 Liquidity of the DEX**

After TrueDex launches, the decentralized exchange will have enough liquidity to allow users to exchange their Tapcoins for other tokens or buy TAP with other tokens. The market forces of supply and demand will determine the price of TAP after the DEX listing.

#### **5.5 Launchpad**

One of the largest cryptocurrency exchanges will list the Tapcoin on its launchpad following the completion of the public sale, project development, and the implementation of certain services. Users will have access to additional tokens during this listing.

#### **5.6 Exchange listings**

Following the launchpad, other exchanges will list Tapcoins, and other users with price control will have access to the remaining planned coins.

## 6. ROAD MAP

| Event                           | Year | Month |
|---------------------------------|------|-------|
| White paper version 0.7 release | 2024 | Sep   |
| Fairytale start                 | 2024 | Sep   |
| TrueDapp chain launch           | 2025 | Mar   |
| Tapcoin launch                  | 2025 | Mar   |
| TAD token launch                | 2025 | Mar   |
| White paper version 1 release   | 2025 | Mar   |
| NFT launch                      | 2025 | Apr   |
| TrueDex launch                  | 2025 | May   |
| AppAlpha version launch         | 2025 | Jun   |
| AppBeta version launch          | 2025 | Jul   |
| App version 1 launch            | 2025 | Aug   |
| TrueAds launch                  | 2025 | Sep   |
| TrueShopping launch             | 2026 | Dec   |
| TrueGames launch                | 2026 | Feb   |
| TrueFans launch                 | 2026 | Apr   |
| US event                        | 2026 | July  |
| China event                     | 2026 | Sep   |
| Europe event                    | 2026 | Nov   |
| TrueCharity launch              | 2027 | Jan   |
| UAE event                       | 2027 | Mar   |
| TrueEye launch                  | 2027 | Jun   |
| TrueMedia launch                | 2027 | Mar   |
| TrueShow launch                 | 2027 | Aug   |
| TrueFashion launch              | 2027 | Oct   |
| TrueSport launch                | 2027 | Dec   |
| TrueAcademy launch              | 2028 | Feb   |
| TrueHealth launch               | 2028 | Apr   |
| TrueVerse launch                | 2028 | Sep   |
| TrueBank launch                 | 2029 | Aug   |
| TrueFriend launch               | 2029 | Mar   |



## **7. Partners and Partnership**

Partnerships are one of the most important factors contributing to TrueDapp's widespread adoption and growth. One of the most renowned startup accelerators and incubators has enthusiastically welcomed the TrueDapp team's initial discussions. Furthermore, negotiations are in progress with several companies that can aid in TrueDapp's growth, and we will announce the details as scheduled. Additionally, the TrueDapp team welcomes partnership proposals.

- To submit any cooperation proposal, please visit the contact page on [truedapp.com](http://truedapp.com) and get in touch with the relevant department.

The TrueDapp team prioritizes the following collaboration opportunities:

- Collaborations with Angel investors who provide capital for startup companies.
- Collaborations with companies that create and distribute advertising.
- Partnerships with firms specializing in artificial intelligence technology.
- Collaborations with companies providing Claude-related technology services.
- Partnerships with banks and credit institutions.
- Collaborations with companies that develop holographic display technology.
- Partnerships with organizations specializing in laser research.
- Collaborations with academic institutions.
- Collaborations with companies that manufacture camera technology.
- Collaborations with film production companies.
- Partnerships with video game development companies.
- Collaborations with professional sports leagues.
- Partnerships with individual sporting clubs.
- Collaborations with architectural service providers.

## 8. Abbreviations

|                |                                       |
|----------------|---------------------------------------|
| <b>AI</b>      | Artificial Intelligence               |
| <b>NFT</b>     | Non-Fungible Token                    |
| <b>Ads</b>     | Advertisements                        |
| <b>DEX</b>     | Decentralized Exchange                |
| <b>DApps</b>   | Decentralized Applications            |
| <b>DAO</b>     | Decentralized Autonomous Organization |
| <b>Fintech</b> | Financial Technology                  |
| <b>Apps</b>    | Applications                          |
| <b>TAP</b>     | TrueDapp coin                         |
| <b>TAD</b>     | TrueDapp dollar                       |
| <b>CEX</b>     | Centralized exchange                  |

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