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# **STAU PROJECT**

WHITEPAPER

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## 1. Introdution

### 1-1. Project Overview

#### I Vision and Objectives of the STAU Project

The STAU project aims to bridge the gap between digital assets and physical assets innovatively, integrating the value of gold into the new digital economy. By combining the proven stability and reliability of gold with modern financial technology, we provide an accessible asset management solution for everyone worldwide.

CHOS is a digital asset based on the value of 1 gram of gold, maintaining the stability of traditional gold holdings while combining the flexibility and efficiency of the digital economy. CHOS holders can convert it to S-Point at any time, allowing them to purchase actual gold through the Starry Gold platform. This offers users an opportunity to maximize the liquidity of digital assets while ensuring stable value preservation.

STAU serves as a functional token within the ecosystem, facilitating transactions and enabling participation in governance. Users can utilize STAU to access features such as CHOS exchanges and contribute to the decision-making processes for the ecosystem's growth and development. The STAU ecosystem, founded on transparency and decentralized participation, aims to provide a fair and user-focused environment for asset engagement without implying any expectation of profit.

Our vision is to establish a global standard for safe and efficient asset management by combining gold with digital assets. We believe that the future of finance will be shaped by accessibility and transparency, with the value of gold being reborn in the digital world.

The goal of the STAU project is to create an ecosystem where everyone can easily own and trade reliable assets. With a foundation of stability and innovation, we will lead the future of finance and become the core platform of the nex-generation digital asset ecosystem.



[Project Initiatives]



#### I Roles and Interaction of CHOS and STAU

CHOS and STAU serve as utility tokens within the STAU ecosystem, each fulfilling unique roles that support ecosystem functionality, user participation, and transactional efficiency.. The interaction between these two assets allows users to move freely between digital and physical assets, enabling sustainable ecosystem operation.

#### 1. Role of CHOS

CHOS is a digital asset that reflects the value of 1 gram of gold, designed to allow users to hold the stability of gold in a digital asset form. CHOS provides liquidity and accessibility as a digital asset while reflecting the value of gold.

Reflecting Gold Value: CHOS reflects the reference value of 1 gram of gold, allowing users to hold the value of gold as a stable asset in digital form.

Real Gold Purchase: Users can swap CHOS for S-Point and purchase actual gold through the Starry Gold platform, making CHOS a unique asset that combines the flexibility of digital assets with the stability of physical asset purchases.

#### 2. Role of STAU

STAU is the key token used for facilitating liquidity and enabling governance participation within the ecosystem, supporting ecosystem activation and development through swaps with CHOS. Liquidity Support and Trade Facilitation: STAU is primarily utilized for facilitating liquidity and enabling transactions,, allowing users to swap STAU for CHOS and participate in various activities within the ecosystem.

Governance Participation: STAU holders can participate in the ecosystem governance through the DAO system, contributing to discussions and the direction of platform improvements without financial incentives.

#### 3. Interaction between CHOS and STAU

CHOS and STAU provide users with functional capabilities through mutual swaps.



This interaction allows for the utilization of digital assets for accessing physical assets, supporting ecosystem activities.

Swapping STAU for CHOS: Users can swap STAU for CHOS, enabling them to access a digital asset linked to the value of gold, which supports user engagement and ecosystem activities.

Swapping CHOS for STAU: Conversely, users can swap CHOS for STAU, enabling their participation in governance and ecosystem activities.

Swapping CHOS for S-Point and Gold Access: Users can swap CHOS for S-Point and use it to access physical gold through the Starry Gold platform, enhancing user interaction with physical assets.

Ecosystem Participation and Utility: STAU supports ecosystem participation by being supplied to the liquidity pool within the platform, allowing users to engage in activities with CHOS. This interaction facilitates the sustainable operation of the ecosystem.

CHOS and STAU play complementary roles, providing users with tools for digital asset management and participation. CHOS serves as a reference for the value of gold, allowing users to access a stable digital representation of gold. STAU enables governance and supports transactional functions within the ecosystem. The interaction between these assets is essential for establishing the STAU project as an efficient and user-centric platform.

### I Key Token Structure for Real Gold Purchases through Starry Asset

The STAU projectis establishing a gold purchasing system based on the Starry Gold platform, enabling users to own actual gold through digital assets. This system is centered around three main tokens: CHOS, STAU, and S-Point, each playing a crucial role in purchasing real gold and operating the ecosystem.



#### 1. CHOS - Gold Value Indicator

CHOS is a digital asset linked to the price of 1 gram of gold, designed to allow users to hold the value of gold in digital form. CHOS provides the stability of gold while maintaining liquidity, offering users access to gold's value while enjoying the efficiency of digital assets. Digital Gold Value: CHOS provides an opportunity to hold a digital asset linked to the price of 1 gram of gold, reflecting the intrinsic value of gold.

Swap and Conversion: CHOS is used within Starry Gold by swapping it for S-Point.

#### 2. STAU - Liquidity and Governance

STAU is a token for liquidity provision and governance participation. STAU is the primary means of purchasing CHOS within the ecosystem and provides users with opportunities to participate in decision-making processes. Additionally, STAU supports ecosystem transaction activation and the reward system through the liquidity pool.

Liquidity Support: STAU enhances liquidity within the ecosystem and helps users swap CHOS. Governance Contribution: STAU holders can participate in governance discussions through the DAO (Decentralized Autonomous Organization) to contribute to the development direction of the ecosystem and partake in important decision-making processes without financial incentives.

#### 3. S-Point - Points for Purchasing Actual Gold

S-Point is an internal point system used to purchase actual gold within the Starry Gold platform. S-Point is linked to \$1, ensuring accurate value when purchasing gold. Users can swap CHOS for S-Point to buy actual gold, serving as an essential bridge for converting digital assets into physical assets.

Conversion to S-Point: Users can convert CHOS to S-Point to purchase actual gold through the Starry Gold platform.

Purchasing Real Gold: S-Point is used to purchase affordable gold within the Starry Gold platform, providing users with an opportunity to own gold directly using digital assets.



#### 4. Gold Purchase Process through Interaction

This token structure is organically designed to allow users to convert digital assets into physical assets. Users go through the process of swapping STAU for CHOS, then CHOS for S-Point, and finally purchasing actual gold through the Starry Gold platform.

Swapping STAU for CHOS: Users can swap STAU for CHOS, holding a digital asset that reflects the value of gold.

Swapping CHOS for S-Point: Users prepare to purchase gold by swapping CHOS for S-Point, ensuring accurate value when buying gold with S-Point linked to \$1.

Purchasing Gold with S-Point: Users can purchase actual gold affordably within the Starry Gold platform using S-Point. This process provides users with an opportunity to convert digital assets into physical assets.

This structure organically connects digital assets with physical assets, allowing users to experience stable gold purchases within the Starry Gold platform. STAU, CHOS, and S-Point each provide opportunities for utility for platform engagement, forming the core of the STAU ecosystem. CHOS is linked to the price of 1 gram of gold, and S-Point is linked to \$1, ensuring stability and reliability as users convert digital assets into physical assets.





## 1-2. Background and Necessity

#### I Problems with Traditional Financial Systems and the Need for Gold-Based Assets

The modern traditional financial system is plagued by centralization, complexity, and vulnerability. The currency system, which relies on the control of central banks and governments, is exposed to risks of inflation, debt problems, and currency devaluation, which can trigger or exacerbate global financial crises. Additionally, centralized financial institutions cause user dissatisfaction due to high fees, complex procedures, and lack of transparency, limiting control over personal finances.

Gold has long been recognized as a store of value and has been used as a hedge against economic crises and inflation. Despite market volatility, gold remains a stable asset and is an essential alternative for those seeking to avoid the risks of centralized financial systems.

With the rapid growth of digital assets, gold-based digital assets combining the stability of gold are gaining attention. These assets complement the limitations of centralized financial systems and offer users the opportunity for safe and flexible asset management. The STAU project, through CHOS, provides the digitalization of gold's value, enabling users to hold stable assets while participating in the digital economy.

Gold-based assets will continue to play an important role as a stable haven in times of economic instability.

#### I Potential of Digital Assets Reflecting Gold Value Indicators

Gold has traditionally been recognized as a stable store of value and has been used as a hedge against economic crises and inflation. Attempts to combine this stability of gold with digital assets are gaining attention, and digital assets reflecting gold value indicators offer liquidity as digital assets while maintaining the stability of gold.

These digital assets enhance transparency and security through blockchain technology, enabling global transactions and flexible asset management. Unlike physical gold, digital assets reflecting the value of 1 gram of gold are used freely in digital environments, maximizing asset liquidity.



The STAU project's CHOS, a digital asset reflecting the value of 1 gram of gold, provides both stability and liquidity, offering a safe investment opportunity in volatile markets. Gold-based digital assets will play an important role in breaking down the boundaries between traditional and digital assets and establishing a new financial ecosystem.

## 1-3. Project Mission and Vision

#### I Digitalization of CHOS as a Gold Value Indicator

CHOS transforms the value of 1 gram of gold into a digital asset, providing users with stability and reliability. Traditionally, gold has been widely recognized as a store of value and has established itself as a stable asset despite market volatility and economic uncertainty. The STAU project digitalizes this value of gold, enabling users to access the global financial market easily.

CHOS allows users to maintain the value of gold in digital form without physically holding gold, offering both liquidity and efficiency. Additionally, within the Starry Gold platform, users can convert CHOS into actual gold or utilize it as a gold-based asset, presenting a new investment model that breaks down the boundaries between digital and physical assets.

CHOS, reflecting the value of gold, is an innovative asset combining stability and flexibility in the digital economy, providing users with a reliable asset ownership opportunity.

#### I Providing Users with Stability and Reliability

The STAU project's core goal is to provide users with stability and reliability. To this end, CHOS is designed as a digital asset linked to the value of 1 gram of gold, maintaining the stability of traditional gold while offering the liquidity and accessibility of digital assets. Through CHOS, users can hold the intrinsic value of gold and have the opportunity to purchase actual gold on the Starry Gold platform.

To provide stability, the STAU ecosystem utilizes transparent price feed systems and blockchain technology to ensure the reliability of transactions. Smart contracts automate the price fluctuations and swap processes of CHOS, allowing users to check the value of their assets in real time.



Additionally, the project strengthens security and trust by introducing regulatory compliance and transparent management systems. The project transparently discloses information related to gold holdings and ensures user trust through regular audits and transparent operations.

These elements allow users to experience safe asset ownership through the STAU ecosystem, maximizing the stability and reliability of digital assets.

# I Ecosystem Providing Opportunities for Actual Asset Ownership through Gold. Purchases

The STAU ecosystem offers users a unique opportunity to connect digital and physical assets. The core of this ecosystem is that users can hold digital assets linked to the value of 1 gram of gold through CHOS and use them to purchase actual gold. The Starry Gold platform provides a direct pathway for users to swap CHOS for S-Point and purchase actual gold.

This structure goes beyond simply holding digital assets, offering users the opportunity to own the stable physical asset of gold directly. Gold has long been recognized as a store of value, and through the STAU ecosystem, users can safely hold gold even in the digital economy with stability and security.

Moreover, the ecosystem ensures the transparency of the gold purchasing process, allowing users to trust asset management. Through this, the STAU ecosystem successfully connects digital assets with physical assets, offering users an innovative platform that provides a safe asset ownership opportunity.



## 2. Market Analysis and Issues

#### 2-1. Overview of the Gold Market

#### I Historical Value and Role of Gold

Gold has played a crucial role as a store of value and a medium of exchange for thousands of years. From ancient civilizations to modern times, gold has established itself as a vital asset in economic systems due to its rarity, durability, and universally recognized value. As one of the oldest assets used as currency, gold symbolizes stability and reliability, and has been considered a safe haven during economic crises.

Historically, gold has been used as a means of settlement between nations by central banks and governments and served as the foundation for guaranteeing currency value through the gold standard. Although the gold standard has been abolished in modern financial systems, gold still holds a significant position as a reserve asset for nations' foreign exchange reserves and is recognized as a hedge against inflation and a crisis response asset.

Moreover, gold is widely used in jewelry and industrial applications, with its physical properties giving it a high preservation value. Due to these characteristics, gold serves as a stable asset during periods of economic uncertainty and is recognized as a measure of value in global financial markets.

### I Stability of the Gold Market and the Potential for Digitalization

Gold has long been regarded as a stable store of value due to its rarity and durability. Even during economic crises or periods of inflation, gold is considered a reliable asset with a strong long-term value preservation. However, traditional gold ownership methods have the drawback of low liquidity and significant trading restrictions.

In terms of digitalization potential, gold is now opening up new possibilities by combining with blockchain technology and being converted into digital assets. Gold-backed digital assets maintain the stable value of gold while overcoming existing limitations, significantly enhancing liquidity and accessibility. These digital assets are tokenized, stored in digital wallets, and can be traded quickly and securely across global financial networks. This removes the complexities of physical gold ownership and allows for real-time investment and trading on digital platforms.



Additionally, digitized gold enables small-scale investments, allowing more investors to access gold and significantly increasing investment flexibility. This digitalization of gold assets expands the role of gold in future financial markets and plays a crucial role in transforming the traditional gold market into a more modernized investment opportunity.

## 2-2. Problems with Existing Digital Assets

#### I Volatility of Digital Assets and Lack of Stable Assets

One of the biggest issues with digital assets is their high volatility. Leading cryptocurrencies like Bitcoin tend to experience significant price fluctuations in short periods, posing risks to investors. This volatility reinforces the perception that digital assets are speculative in nature, limiting their role as stable stores of value.

Moreover, most digital assets consist of assets lacking intrinsic value, making investors highly sensitive to price volatility and diminishing trust in the long-term value preservation of digital assets. While some assets, such as stablecoins, aim to provide stability, most are not fully backed by fiat currencies or physical assets and therefore fail to offer sufficient stability.

As a result, investors are seeking stable assets, but the current digital asset market lacks assets that offer both stability and reliability.

#### I Problems with the Linkage to Physical Assets

A major issue with digital assets is their lack of connection to physical assets. Many digital assets are issued based solely on digital value, with no underlying physical assets to support them. This leads to a problem where digital assets do not possess inherent stability and are primarily valued based on speculative demand.

While some assets, such as stablecoins or gold-backed digital assets, attempt to increase stability by linking to fiat currencies or physical assets, they often struggle to gain trust due to issues like incomplete linkage, lack of transparency, and regulatory challenges. In particular, some projects weaken user trust by failing to transparently disclose the actual holdings or quantities of physical assets.

Due to these linkage issues, digital assets are not perceived as stable stores of value like physical assets, which hinders their long-term acceptance as trusted assets.



#### 2-3. Potential of Gold Value Indicators

#### I Role of CHOS as a Gold Value Indicator for 1 Gram of Gold

CHOS is atoken that represents the value of 1 gram of gold in digital asset form, playing an important role in integrating the stability of gold into the digital economy. Traditionally, gold has functioned as a stable asset even in times of economic uncertainty, and by converting this characteristic of gold into a digital asset, CHOS provides users with a stable store of value.

CHOS is a digital asset indicator reflecting the price of 1 gram of gold, maintaining the trust and intrinsic value of gold while maximizing the liquidity and accessibility of transactions on digital platforms. This allows users to access a stable asset based on gold's stability without physically holding gold. Through the Starry Gold platform, users can convert CHOS into S-Point to purchase actual gold or utilize the fluctuations in gold prices as a digital asset.

As a result, CHOS digitalizes the traditional role of gold, offering both stability and liquidity as an innovative asset, and establishing itself as a central pillar of stable value in the digital asset market.

### I Opportunities and Advantages of Gold Purchases on the Starry Gold Platform

The Starry Gold platform is an innovative online platform presenting a new paradigm for gold purchases, offering users a stable and secure opportunity to buy gold. This platform goes beyond being a simple gold exchange by maximizing the benefits of physical asset ownership and better investment opportunities through its connection to gold-backed digital assets.

### 1. Innovative Accessibility

The Starry Gold platform provides users with the opportunity to purchase gold easily from anywhere in the world through its online platform. This allows users to avoid the complex procedures of traditional gold purchases and buy gold in real time at any time. This advantage is particularly beneficial as it eliminates time and location constraints, allowing even small investors to expand their access to gold.



#### 2. Reliable Trading Environment

The Starry Gold platform is built on a foundation of trust and transparency. By reflecting real-time gold prices, users can trade at fair prices and protect their assets through a secure payment system and a security-enhanced platform. This ensures the crucial safety of gold purchases, providing users with a reliable and transparent trading environment.

#### 3. Integration with Digital Assets

The Starry Gold platform offers users innovative investment opportunities through its unique function of connecting digital assets and physical gold. Users can utilize digital assets like CHOS to convert them into physical gold, holding the value of 1 gram of gold as a digital asset and purchasing physical gold on the Starry Gold platform when needed. This provides an opportunity to enjoy both the liquidity of digital assets and the stability of physical assets.

#### 4. High-Quality Gold Products and Diverse Choices

The Starry Gold platform offers a variety of gold products, including 24K pure gold, meeting demand for personalized gold products. By offering products guaranteed in design and quality at reasonable prices, the platform provides an opportunity toown gold as a luxury physical asset rather than just an investment asset. In particular, the application of patented laser engraving technology allows for the provision of unique and sophisticated gold products, adding differentiated value.

#### 5. Convenience and User-Friendliness of the Platform

The Starry Gold platform enhances the gold purchasing experience with trendy design and user-friendly interfaces. Through dynamic design and simple category navigation, the platform makes it easy for users to find and purchase gold products, with the potential for continuous improvements in user convenience. This convenience allows users to focus on gold trading and provides a smoother investment experience.

As an innovative platform for gold trading, the Starry Gold platform provides users with the special opportunity to ensure the safety, accessibility, and connection between digital assets and physical assets in gold purchases. Additionally, through high-quality gold products and a highly reliable trading environment, the platform is designed to allow users to purchase gold with peace of mind The Starry Gold platform enables users to experience beyond the limitations of traditional gold purchases and own the stable asset of gold more conveniently.



## 3. STAU Ecosystem Structure

## 3-1. Concepts of STAU and CHOS

#### I STAU: Governance and Liquidity Provision Token within the Ecosystem

STAU is the core utility token for governance and facilitating liquidity within the STAU ecosystem, performing various roles within the ecosystem. STAU is designed to promote ecosystem development and user participation, serving as a tool for accessing liquidity support and participating in governance.

#### 1. Governance Participation

The STAU token grants users the authority to participate in decision-making processes within the Decentralized Autonomous Organization (DAO). STAU holders can participate in voting on key policies or updates of the project, directly influencing the future direction of the ecosystem. This governance structure provides STAU token holders with opportunities to engage in platform development, ensuring transparent and democratic operations without financial incentives.

#### 2. Liquidity Support

STAU plays a crucial role in supporting the liquidity pool within the ecosystem. Through swaps with CHOS, STAU helps facilitate smooth transactions and asset movement within the platform. Users engaged in providing liquidity enhance the operational flow of the ecosystem, contributing to active asset use.

User Engagement BenefitsSTAU holders can access benefits by participating in the ecosystem activities. The benefits stimulates demand for STAU and promotes active engagement within the ecosystem. Additionally, STAU helps incentives to users contributing to the liquidity provision.

STAU supports participation and liquidity facilitation within the STAU ecosystem, enabling users to contribute to the platform's development. It functions as a utility token that maintains the growth and effective operation of the ecosystem.



#### I CHOS: Digital Asset Reflecting the Value Indicator of 1 Gram of Gold

CHOS is a stable and reliable digital asset that reflects the value indicator of 1 gram of gold. It is designed to maintain the stability of traditional physical gold while providing the liquidity and convenience of digital assets. Linked to the price of 1 gram of gold, CHOS functions as a stable store of value and creates new investment opportunities based on gold's value in the digital economy.

#### 1. Gold-Based Value Preservation

CHOS is a digital asset linked to the price of 1 gram of gold, based on the intrinsic value of gold. Gold has long provided stability as a store of value, recognized even in times of economic uncertainty. CHOS digitizes this stable value of gold, allowing users to hold and trade gold's value anytime and anywhere.

#### 2. Liquidity and Convenience

While traditional gold ownership has low liquidity and trading restrictions, CHOS overcomes these limitations as a digital asset. Users can quickly trade in the digital environment through CHOS and convert CHOS into STAU-Point to purchase actual gold when needed. The Starry Gold platform provides users with the opportunity to convert CHOS into STAU-Point and purchase actual gold, serving as an important function that connects digital assets with physical assets. In other words, CHOS holds value beyond a simple digital asset, providing users with a way to easily convert digital gold into physical gold.

#### 3. Ensuring Reliability

The reliability of CHOS is strengthened not only by being a digital asset reflecting the value of gold but also by the fact that actual gold purchases are possible. Users can convert CHOS into S-Point on the Starry Gold platform and use it to purchase actual gold, providing a definitive method for converting digital assets into physical assets. This greatly enhances the reliability of CHOS and provides users with stable and tangible asset ownership opportunities through the connection between digital assets and physical assets.



#### 4. Stable Investment Opportunity

Since CHOS is directly linked to the price of gold, it provides a relatively stable investment vehicle compared to the high volatility of digital assets. This helps users diversify their investment portfolios and add stable assets, allowing them to experience the stable value of gold even in the digital economy through CHOS.

CHOS is an innovative asset that converts the value of 1 gram of gold into a digital asset, offering both stability and liquidity. In particular, by providing users with the opportunity to convert CHOS into S-Point and purchase actual gold through the Starry Gold platform, CHOS offers the experience of enjoying both the reliability of digital assets and the security of physical assets. This positions CHOS as an innovative investment model that leverages the stable value of gold in the digital economy while securing physical assets.

#### 3-2. Interaction between STAU and CHOS

#### I Swap Mechanism between STAU and CHOS

STAU and CHOS provide a system where they can be exchanged (swapped) based on real-time gold prices and STAU prices through the Starry Gold platform. This swap mechanism operates flexibly according to market prices, designed to efficiently exchange the value of digital and physical assets.

#### 1. Real-Time Price Linking

STAU's price is determined by market demand and supply, while CHOS reflects its value according to international gold prices. The Starry Gold platform automatically tracks these real-time price fluctuations to accurately calculate the exchange rate between STAU and CHOS. This ensures that users can exchange between the two assets fairly according to market prices.

#### 2. Stable and Liquid Swap Structure

STAU and CHOS are exchanged stably according to the unique value of each asset.

STAU fluctuates in value according to the market, but CHOS acts as a stable asset as its price is



determined by international gold prices. Through this mutual exchange mechanism, users can utilize the liquidity of digital assets while maintaining the stability of physical assets.

#### 3. Utility of Swap

This system allows users to swap STAU and CHOS freely as needed, supporting efficient asset engagement and maintaining ecosystem liquidity. Users can leverage STAU within the digital economy and utilize CHOS to access stable gold value, facilitating practical usage without implying investment returns.

The swap mechanism between STAU and CHOS is based on real-time price linkage through the Starry Gold platform, providing stable and liquid exchanges between digital and physical assets. This allows users to enjoy new investment opportunities that combine the liquidity of digital assets with the stability of gold while efficiently managing assets according to market price fluctuations.

#### I Purchasing Real Gold from Starry Assets Using CHOS

CHOS functions as an important exchange medium, allowing digital assets to purchase physical gold. Through the Starry Gold platform, users can convert CHOS into S-Point and then purchase actual gold products. This process connects digital assets with physical assets, offering users the unique advantage of combining the ownership of physical gold with the liquidity of digital assets.

### 1. Process of Purchasing Real Gold with CHOS

CHOS is a digital asset linked to the value of 1 gram of gold and is used to purchase physical gold products after being converted into S-Point on the Starry Gold platform. S-Point is a commodity within the platform linked to \$1, used by users to purchase physical gold products. By converting CHOS into S-Point, users can convert digital assets into physical assets and secure a stable and reliable store of value. This structure further enhances the reliability of CHOS and provides users with the stability of gold-backed assets.



#### 2. Real-Time Gold Prices and STAU-Point Linking

The Starry Gold platform reflects real-time gold prices, and the conversion rate when converting CHOS to S-Point matches gold prices. Since S-Point is linked to the value of \$1, users can purchase gold products at a clear and reliable price. This ensures that users experience transparent and fair transactions during the process of purchasing physical gold.

#### 3. Advantages for Users

This mechanism goes beyond merely holding digital assets, providing users with the opportunity to directly purchase physical gold products. S-Point is used as the central commodity for purchasing gold products within the Starry Gold platform, allowing users to maintain the liquidity of digital assets while owning stable physical assets. This provides a stable investment vehicle for users concerned about the volatility of digital assets and makes gold purchases more accessible and flexible.

The system of purchasing real gold using CHOS on the Starry Gold platform is an innovative method that connects digital assets with physical assets. S-Point is a platform commodity linked to the value of \$1, allowing users to purchase physical gold products. This provides users with new investment opportunities that combine the convenience of digital assets with the stability of physical assets. Since fair exchanges are made according to real-time gold prices, CHOS guarantees reliability and stability, enabling stable physical asset ownership even in the digital economy.

#### I Interaction Mechanism between CHOS and Physical Gold Trading

CHOS is a digital asset reflecting the value of 1 gram of gold, providing users with the opportunity to purchase physical gold products directly through the Starry Gold platform. CHOS is converted into S-Point and used to purchase premium physical gold products, forming an innovative structure that combines the liquidity of digital assets with the stability of physical assets. Through a fair trading system linked to real-time gold prices, users can own physical assets in a transparent and reliable manner.

### I Premium Gold Products and Special Purchase Benefits

The Starry Gold platform offers users a variety of high-end gold products and provides special benefits to contributors to the ecosystem.



The platform offers carefully selected gold products in limited quantities at special prices, giving ecosystem participants a very exclusive purchasing opportunity. These benefits go beyond simply buying gold, recognizing contributions to ecosystem growth and offering valuable rewards to participants.

#### I Premium Products and Customized Experience

The Starry Gold platform offers premium gold products, meticulously crafted jewelry, and rare gold products typically not easily accessible. These products are offered in limited quantities on the platform and provide ecosystem contributors with the opportunity to purchase them at very special prices. This is designed to reward users who have been active and contributed to the ecosystem, allowing them to enjoy valuable experiences beyond mere asset ownership.

#### I Building Trust through Interaction

This mechanism offers users the opportunity to own physical gold products by leveraging the liquidity of CHOS while providing valuable participation opportunities through interaction within the ecosystem. Contributors to the ecosystem can purchase special gold products at much more favorable conditions than general market prices, maximizing the trust and rewards associated with participation.

The interaction mechanism between CHOS and physical gold trading offers users an innovative way to experience gold purchases by combining digital assets with physical assets. By providing special gold products in limited quantities under very favorable conditions, the platform offers differentiated rewards to users who have contributed to the ecosystem and provides opportunities to strengthen trust and interaction.



## 4. Business Model and Partnership Strategy

### 4-1. Integration of Gold Wholesale and Retail Business

Starry Group has established overseas subsidiaries in South Korea, Hong Kong, Singapore, and Japan, with plans to establish further subsidiaries in the United States, the United Kingdom, Canada, Australia, UAE, EU, Southeast Asia, and other countries. As a global company with gold distribution qualifications, it has built a strong presence in the gold wholesale and retail markets. Based on this, Starry Group operates a business model closely linked with the STAU ecosystem, possessing core competencies in directly purchasing gold from the global market and providing a stable supply chain through efficient distribution. The company plans to strengthen its gold distribution network through the expansion of overseas subsidiaries.

Such a global network and distribution capabilities play a crucial role in the STAU ecosystem by reliably providing physical gold products to users and supporting trustworthy gold-backed digital assets.

## 4-2. Ecosystem Expansion through Partnerships

The STAU ecosystem plans to expand the connection between digital assets and physical gold by collaborating with leading global partners, providing users with a stable and reliable ecosystem. Through global partnerships, the ecosystem will expand in various fields, including gold trading, payment platforms, and financial services.

#### I Collaboration with Global Gold Distribution Networks

Partnerships with global gold trading companies can further strengthen the stability and liquidity of the STAU ecosystem. These partnerships will help build an expanded supply chain that promotes the distribution of gold-backed digital assets in the global market. Such partnerships will ensure stable gold supply and global market access, further solidifying the trustworthiness of STAU and CHOS.



#### I Collaboration with Financial and Blockchain Partners

By partnering with financial institutions and blockchain technology companies, the STAU ecosystem can maximize the transparency and security of digital asset transactions. Collaborations with reliable financial partners will enable users to utilize CHOS and STAU in financial products, while partnerships with blockchain infrastructure providers will enhance smart contracts, transaction security, and more.

#### I Collaboration with Overseas Payment Platforms and Distributors

Through partnerships with overseas payment platforms and distributors, the STAU ecosystem can expand into digital payments and global product transactions. Collaborations with global payment solution providers will allow users to use STAU and CHOS across various online and offline payment systems, while partnerships with distributors will create an environment where ecosystem users can more easily exchange and utilize physical gold products and digital assets.

#### I Partnerships with Luxury Brands and Premium Service Providers

Partnerships with luxury brands, high-end jewelry brands, or premium service providers can add exclusive benefits and a luxurious image to the STAU ecosystem. These partnerships will offer differentiated services to ecosystem participants and contribute to expanding into the premium market by enhancing the utilization of gold-backed assets.

Through global partnerships, the STAU ecosystem will develop into an innovative platform that connects the digital asset market with the physical asset market. Strategic collaborations in gold distribution, financial and blockchain technology, payment systems, and luxury brands will make the ecosystem more stable and reliable, providing users with more benefits and investment opportunities.



## 4-3. Integration of De Fi (Decentralized Finance) and Financial Products

The STAU ecosystem plans to integrate DeFi (Decentralized Finance) to expand gold-backed digital assets into various financial products. This integration will enable users to increase the liquidity of their assets and access new opportunities through decentralized finance.

#### I Liquidity Provision

STAU and CHOS are deposited into liquidity pools on DeFi platforms, thereby expanding market liquidity. Users can generate profits by supplying assets to the liquidity pool and utilize automated reward systems through smart contracts.

#### I Collateral Loan Products

Users can deposit CHOS as collateral to obtain loans. As a gold-backed asset, CHOS acts as stable collateral, allowing users to obtain loans under favorable conditions.

#### I Staking and Deposit Programs

STAU holders can stake their assets to participate in ecosystem activities. Additionally, a gold-backed deposit product that allows users to earn interest income by depositing CHOS will be offered.

#### I Insurance Products

DeFi insurance products utilizing STAU and CHOS can also be developed, enabling users to protect their assets while strengthening stability through risk management.

The STAU ecosystem, based on the stable asset of gold, can expand into various financial products through DeFi integration. As the ecosystem grows, gold-backed digital assets will unlock even greater possibilities, allowing users to take advantage of liquidity provision, collateral loans, staking, deposits, and more. This expansion will establish the ecosystem as a more stable and reliable investment and financial platform, opening a new chapter in financial innovation.



## 4-4. Connecting the Real Economy and Blockchain

The STAU ecosystem is a powerful platform that connects the real economy with blockchain, centered around gold. Our greatest advantage lies in connecting digital assets through the stable physical asset of gold. Gold is the easiest asset to link with virtual assets, having long been recognized for its stability and value.

The combination of gold and blockchain provides both the transparency of digital assets and the stability of physical assets, creating unlimited new value. This innovative combination will open up new possibilities in financial services, investment opportunities, and global payment systems, breaking down the boundaries between physical and digital assets and restructuring the future economy.



## 5. Technical Architecture

#### 5-1. Blockchain Infrastructure

#### I STAU Ecosystem on Polygon (Matic)

The STAU ecosystem is built on the Polygon (Matic) blockchain. Polygon is a Layer 2 scaling solution for Ethereum, known for its high processing speed, low transaction fees, and excellent scalability. This blockchain infrastructure supports the STAU ecosystem by enabling fast and efficient transactions, allowing users to trade digital assets like CHOS and STAU in a stable and ecure environment.

The STAU ecosystem on Polygon maintains security and liquidity while connecting to more users and global networks through a scalable platform. This ensures stable digital asset management and secures future scalability.

#### I Asset Issuance and Management through Smart Contracts

In the STAU ecosystem, smart contracts are utilized to automate asset issuance and management. Smart contracts operate autonomously on the blockchain, ensuring that the issuance and management of STAU and CHOS are transparent and secure.

This automation allows the digital asset issuance process to be handled without central authority, with asset transfers, rewards, swaps, and other procedures executed based on pre-programmed conditions. This structure increases user trust and enhances security, ensuring efficient asset





#### 5-2. Smart Contracts and Automation

#### I Automation of Asset Issuance and Distribution Process

The STAU ecosystem automates the process of asset issuance and distribution through smart contracts. The issuance of CHOS and STAU is automatically performed according to preprogrammed conditions, with all transactions transparently managed on the blockchain.

This process requires no centralized intervention, with asset issuance and distribution procedures handled quickly and securely by an automated system. Liquidity provision and reward structures are also managed through smart contracts, allowing users to trade and manage assets in a transparent environment. This automation maximizes efficiency while maintaining security, enhancing the ecosystem's reliability.

#### I Automated Process for Gold Purchase and S-Point Conversion

In the STAU ecosystem, the process of gold purchase and S-Point conversion is carried out swiftly and securely through an automated process. This process is operated by a customized mechanism developed in collaboration with specialized security companies, utilizing cutting-edge security technologies such as biometric authentication systems to ensure the safe management of users' assets.

Since gold is a highly valuable asset, the ecosystem places great emphasis on meticulous security and precise processes. Each transaction and conversion process is protected by smart contracts and enhanced security systems, allowing users to purchase gold and convert it into S-Points in a reliable and trustworthy environment. This enhanced security plays a crucial role in protecting the value of gold-backed digital assets and increasing the overall trustworthiness of the ecosystem.

#### 5-3. Passwordless Authentication

Traditional authentication and security systems involve various authentication technologies that result in different application processes and overlapping costs for implementation and maintenance. To address these issues, the Starry Gold Platform has established a proprietary distributed authentication key system to integrate authentication policies across the enterprise, upgrading the authentication paradigm by shifting the existing service provider-centric password policy to a user-centric approach.

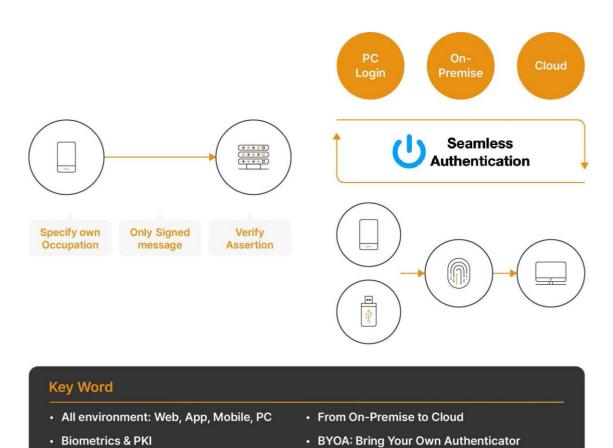
## **Starry Gold**

To resolve the vulnerabilities of the traditional password-based authentication system, STAU's blockchain platform is built on the FIDO (Fast Identity Online) passwordless authentication framework, with development for operation across multiple devices such as mobile and PC. This system prevents internal data leaks and enables constant monitoring of security weaknesses in service operations.

By obtaining FIDO certification from the FIDO Alliance, international compatibility is ensured, and the platform has achieved first-grade GS certification and designation as an excellent information protection product in Korea, verifying its reliability and security.

#### I Passwordless Authentication

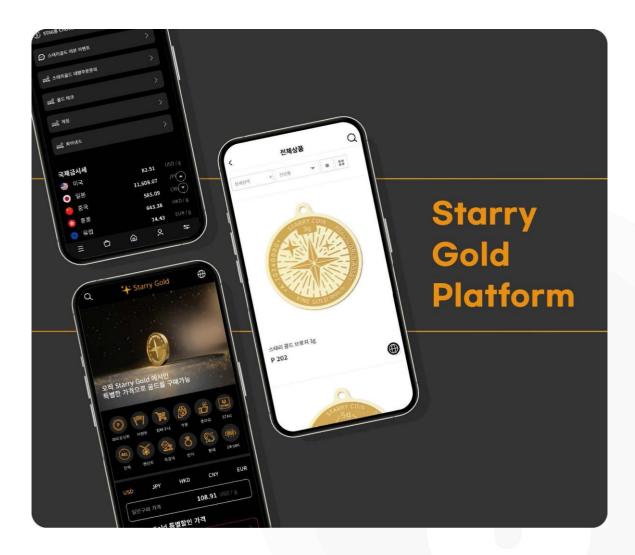
Unlike traditional password-based authentication methods, this approach does not store user authentication information on centralized servers. Instead, it allows users to hold and control the core elements of authentication by managing credentials in a distributed manner. Through technological innovation in credential storage and usage, the aim is to achieve a paradigm shift in authentication.





## 5-4. Starry Gold Platform

The Starry Gold Platform is a Polygon blockchain mainnet-based platform that supports both Web and App. Leveraging Starry Group's strong distribution capabilities, this platform initially offers various precious metal products. In the future, the services will be expanded to include a staking system, gold market, collateral loan system, digital asset funds/options, and more. The basic infrastructure of the platform has been completed, and it is currently undergoing further enhancement and development.





## 6. Ecosystem Governance

#### 6-1. The Role of the DAO

#### I Ecosystem Decision-Making through STAU Holders

The STAU ecosystem is designed to allow STAU token holders to directly participate in decision-making processes through a Decentralized Autonomous Organization (DAO) structure. STAU holders can influence the direction of protocol development and key policy decisions through governance voting. This decision-making process aims for complete decentralization, providing a democratic structure that maintains transparency while reflecting the opinions of participants.

Each decision is granted voting rights proportional to the amount of STAU tokens held, and proposed matters are executed fairly through the voting process. This structure enhances the transparency and stability of the ecosystem, providing participants with the opportunity to contribute directly to the development of the ecosystem. The DAO system encourages STAU holders to participate in the long-term growth of the ecosystem.

#### I Reward Structure for DAO Participation

The STAU ecosystem's DAO is designed with a reward structure that compensates participants for contributing to decision-making processes. STAU token holders can engage in various DAO activities, such as governance voting and proposal submissions, and receive rewards based on their contributions.

#### I Decision-Making Participation Rewards

STAU holders who participate in decision-making within the DAO will have the opportunity to earn rewards for their contributions to governance activities. These rewards are intended to recognize and compensate participants for their involvement.

#### I Proposal Submission and Adoption Rewards

Participants who submit new policy proposals that positively impact the ecosystem will be eligible for rewards. This reward structure encourages active participation in the ecosystem's development.



#### I Long-Term Participation Rewards

Additional rewards are planned for users who contribute to DAO activities over the long term. This is intended to encourage sustained participation and support the continuous growth of the ecosystem.

The reward structure for DAO participation is a crucial element for enhancing transparency and encouraging participation within the STAU ecosystem. Through this structure, users can contribute to the development of the ecosystem and receive fair compensation through STAU tokens.

### 6-2. Decision-Making Process

#### I User Voting System and Major Decisions

The user voting system within the STAU ecosystem is designed to allow STAU token holders to contribute decisions on major matters. STAU holders can use their voting rights to participate in decisions related to protocol updates, policy changes, reward structures, and other critical aspects of the ecosystem.

Voting is conducted in proportion to the amount of STAU tokens held, ensuring that opinions are fairly reflected. Major issues are decided by majority rule, and the ecosystem's development direction is determined through transparent and democratic procedures.

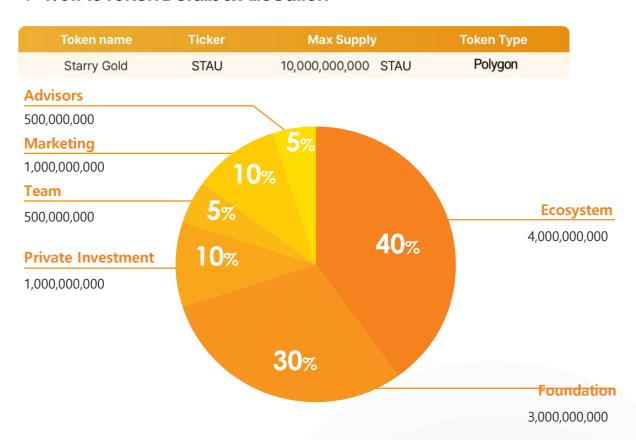
## I Transparent Decision-Making Process and Strengthened Governance

In the STAU ecosystem, where valuable assets like gold are traded, trust is the most important factor. To ensure this trust, the ecosystem plans to implement thorough transparent decision-making processes and a strengthened governance system. The system is designed so that STAU token holders can actively participate in the decision-making process, with all decisions being made through a transparent system. These rigorous procedures and trust-based governance will play a crucial role in ensuring that the ecosystem operates stably and transparently, thereby enhancing user confidence.



## 7. STAU Tokenomics

#### 7-1. STAU Token Details & Allocation



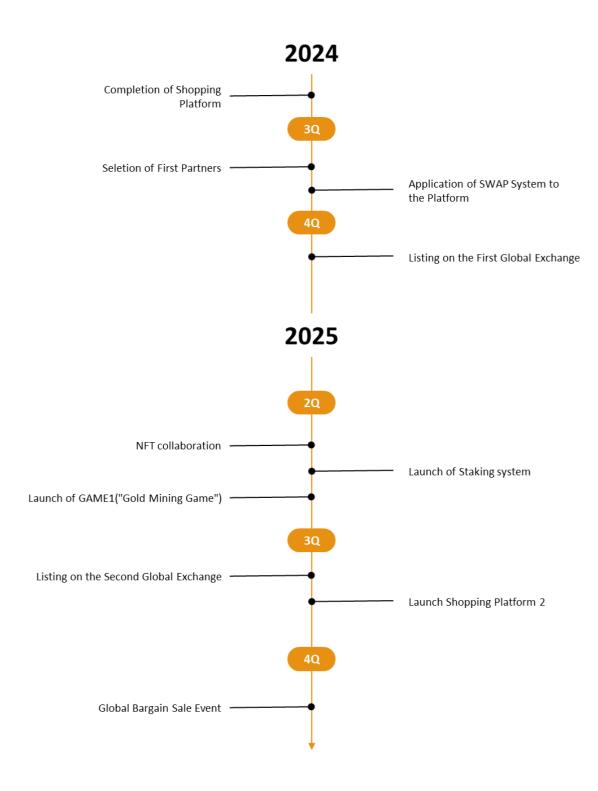
## 7-2. Unlock Plan

(Units: 1 million)

No.	Allocation	Rate	Amount	Comments	
1	EcoSystem	40.0%	4,000	Distributed based on contribution over 7 years after a 2-year lockup following the initial exchange listing.	
2	Foundation	30.0%	3,000	Locked for 3 years after the initial exchange listing, then evenly distributed over 10 years.	
3	Private Investment	10.0%	1,000	-	
4	Team	5.0%	500	Locked for 2 years after the initial exchange listing, then distributed over 5 years.	
5	Marketing	10.0%	1,000	Distributed for marketing purposes over 3 years after the initial exchange listing.	
6	Advisors	5.0%	500	Locked for 2 years after the initial exchange listing, then distributed over 5 years.	
	Total sum	100%	10,000		

## **Starry Gold**

## 8. Roadmap





## 9. Conclusion

## 9-1. Future Vision of the STAU Project

#### I Potential of CHOS as a Gold Value Indicator

CHOS, as a digital asset reflecting the value of 1 gram of gold, plays a critical role in bridging physical assets and digital assets. Based on the stability of gold, CHOS offers investors trust and security, and has the potential to create new financial opportunities in the global digital economy. CHOS will solidify its position as a core asset of the STAU ecosystem by digitizing the value of gold in the future financial system.

#### I Innovative Financial System Combining Gold Purchase and Digital Assets

The future we envision is a world where physical assets like gold combine with digital assets to create a new financial system. CHOS unites the stability of gold with the flexibility of digital assets, providing an innovative ecosystem where anyone can easily own and trade gold. This system operates on trust, stability, and transparency, and will reshape the global financial environment through gold-based digital assets. This innovation opens new financial opportunities and offers hope for a better economic future.

#### I Continuous Expansion of the STAU Ecosystem

The STAU ecosystem aims to build a sustainable ecosystem by expanding into various sectors such as luxury jewelry brands and digital gold exchanges, all based on the stable asset of gold. Through these expansions, we will make gold-based digital assets more widely used and provide participants with a stable and innovative financial environment. With a focus on long-term growth, we will create a comprehensive ecosystem that digitizes the value of gold in the global market.

#### I Establishing a Reliable and Liquid Digital Asset Ecosystem

The STAU ecosystem prioritizes two key elements to build a stable digital asset ecosystem: reliability and liquidity.



We believe that reliability is fundamental to our ecosystem because we deal with digital assets based on the stable asset of gold. We will focus on building and maintaining the trust of our participants through the safe management of user assets, transparent transaction procedures, and decentralized governance. Reliability is the cornerstone of a stable ecosystem, and we are meticulously preparing to ensure it.

Additionally, liquidity is a practical element essential for the success of digital assets. A highly liquid ecosystem enables the free movement and active trading of assets, allowing users to easily exchange their assets when needed. We are strengthening our liquidity pool and making all necessary preparations to ensure the smooth operation of the ecosystem.

Based on reliability and liquidity, we will build a stable and sustainable digital asset ecosystem and strive to set a new standard in future finance.



## 10. Core Competencies of Starry Group Co., Ltd

# 10-1. Innovative Laser Cutting Technology for Gold and Precious Metals Processing

A. Holds six patents related to jewelry manufacturing technology, including

Automatic Metal Panel Cutting Device

Precious Metal Polishing Device

Metal Processing Device

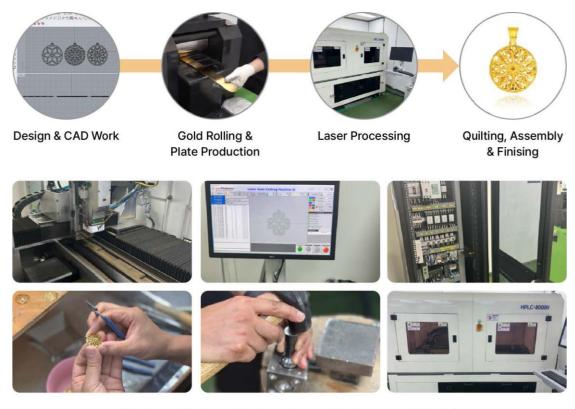
Gold Wire Processing Device

Precious Metal Pattern Processing Device

Wire Processing Device

- **B.** Mechanization and automation of jewelry manufacturing technology based on proprietary laser and gold spraying technology.
- C. Rapid product supply to meet customer requirements through product customization and process standardization.
- D. 80% of production during the entire manufacturing process using automatic laser technology.
- E. Manufacture and process approximately 2,000 jewelry products per day.
- F. Capable of producing high-strength jewelry products by rolling 24K gold to ten times its hardness.
- G. Capable of mass-producing a variety of customized products.
- H. Significant cost savings and reduced processing time through innovative post-

## Starry Gold



[ Factory with Innovative Laser Processing Proven by Patents]

\* While competitors require 11 steps for casting-based production, our company achieves jewelry manufacturing innovatively in just 4 steps through laser processing.

## 10-2. Factory Mining Technology

A. Holds six patents related to jewelry manufacturing technology, including

Iron Separation Device

**Dual Iron Separation Device** 

Dry Metal Particle Separator

Vibratory Metal Particle Separator

Rock Crushing System

## **₩** Starry Gold

- B. Sand gold extraction often lacks profitability due to the difficulty of separating gold from iron. However, the company's equipment automatically separates iron, enhancing gold extraction rates.
- C. Using gold mined by the company to manufacture jewelry products reduces costs and maximizes profitability, with an operational profit margin potential of over 50%.
- D. Advantages of Factory Mining

  Unique automatic selection technology (patented) that reduces mineral size by 20 times.

  Refinement costs are one-tenth of traditional methods, leading to high profitability

  Capability to extract low-grade gold ore that was previously unminable.

  Ability to extract from undeveloped sand gold mines and low-purity ores.

  Environmentally friendly methods that do not release pollutants such as mercury.



Increased gold yield through primary and secondary refinement using iron separation devices.

[ Factory Mining Process Diagram ]



[Innovative Gold Extraction through 5 Patented Technologies]





[ Overseas Mineral Extraction Technology Patent ]

## 10-3. Marketing Division

## I Expansion of Jewelry Distribution Channels to Increase Sales and Strengthen.

## Competitiveness

- A. Selling our products through the global wholesaler 'Costco.'
- **B.** Securing stable revenue through franchise expansion.
- C. Increasing sales through international open markets (e.g., Amazon).
- D. Developing a partnership brand called "Starry Jewelry" and utilizing a premium strategy.
- E. Expanding transactions with large discount stores (e.g., E-Mart, Homeplus, E-Mart Traders) and department stores.
- F. Securing new regional network partners and franchises.
- G. Currently trading with 6,000 out of 10,000 local jewelry stores, with plans for further expansion.
- **H.** Boosting sales through the expansion of overseas franchises and license sales.
- I. Increasing revenue through the 'Gold Vending Machine Business.'
- J. Increasing sales by expanding export regions (e.g., Japan, Hong Kong, Singapore, Vietnam, the United States).
- K. Promoting the "Starry" brand as a luxury brand.



## 11. Disclaimer

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