

## Secret Network integration on Cosmostation Mobile Wallet and Mintsan Block Explorer

### Summary

Cosmostation (Stamper Co., Ltd.) proposes a community spend of 450,000 SCRT to integrate Secret Network on Cosmostation Mobile Wallet and Mintsan Block Explorer. After completion of deliverables, Cosmostation will continue to maintain & develop these products for Secret Network as the network expands and more functionalities become introduced.

Timeline: Within 45 days after proposal passes

### Deliverables:

1. Secret Network integration on Cosmostation Mobile Wallet - 250,000 SCRT
2. Secret Network integration on Mintsan Block Explorer - 200,000 SCRT

### Overview

Secret Network is at a pivotal time in its development and adoption with the recent launch of Secret Contracts and soon-to-be launching Cosmos Hub IBC(Inter-Blockchain Communication). Through this community spend proposal, Cosmostation will provide the necessary infrastructure for users to seamlessly experience the functionalities of the network with a complete product cycle with our mobile wallet and block explorer.

### Background

The privacy features enabled by Secret Contracts enable you to perform computations on encrypted data, bringing privacy to smart contracts and public blockchains. Cosmostation believes that Secret Network will no doubt play an important role in the blockchain privacy sector, with a wide range of use cases from decentralized finance to data storage.

However, it is also important to note that the usefulness or innovation of a technology could easily get lost in translation without intuitive UI/UX. In the past, Cosmostation has worked with several Cosmos SDK based networks including the Cosmos Hub, Band Protocol, and Kava Network to name a few. The approach we take in delivering products for partners we closely work with is to provide as much functionality as possible to our users while keeping the user experience at a level comprehensible by the average user.

Both Cosmostation Mobile Wallet and Mintsan Block Explorer are engineered and updated through extensive UI/UX planning for networks we support. For example, while working with Kava Labs, we have delivered a full-fledged mobile application with the ability for users to easily interact with Kava Network's CDP & Money Market modules. Mintsan Block Explorer was also concurrently updated to display the transaction types for money market modules. One of the advantages we have by securing networks as a node operator and also developing end-user applications is the hands-on experience and knowledge we have from directly interacting with both the protocol and the end-user.

Through this community proposal, we plan to integrate Secret Network on our products to provide a full product cycle.

### Deliverables

#### Cosmostation Mobile Wallet for Android & iOS

Target completion date: Within 45 days after proposal passes

#### 250,000 SCRT

- Create wallet, Import wallet, Watch address
- Check assets and delegation status
- Send, delegate, claim rewards, re-invest, re-delegate
- Transaction history tab with transaction details

#### Mintsan Block Explorer for Secret Network

Target completion date: Within 45 days after proposal passes

#### 200,000 SCRT

- Dashboard to monitor network condition
- Comprehensive validator list & details
- Block & Transaction history with details
- Governance Proposals list

## Post-deliverable - Maintenance & Iterations

- Continued maintenance & development on Cosmostation Mobile and Mintsan
- Support for app-specific modules and transactions types to be displayed on Mintsan Block Explorer
- Support for Secret Network specific modules we see the need for users to have access to on Cosmostation Mobile Wallet

## Payment & use of funds

We propose that the foundation acts as a custody of the funds until both Cosmostation Mobile Wallet and Mintsan Explorer are delivered before the target completion date.

Cosmostation is currently running a full node for our mobile wallet operation. Upon receiving the funds, Cosmostation will take 400,000 SCRT out of the total 450,000 SCRT received to launch our validator node and self-delegate for a minimum of 1 year to align ourselves with the network and ensure the security of our operations.

## Cosmostation Mobile Wallet

Cosmostation Mobile Wallet is a non-custodial, open source mobile wallet that supports networks built with the Cosmos SDK. The application is purposely engineered to provide maximum flexibility when it comes to supporting application-specific modules. Cosmostation iOS & Android is the wallet of choice for the majority of users within the Cosmos SDK ecosystem. For more information on the history & functionality of Cosmostation Mobile Wallet, please refer to the blog posts below.

[How HD wallets work - Cosmostation Mobile Under the Hood](#)

[Github-Open Source](#)

## Secret Network support on Cosmostation iOS

On October 16th, 2020 Cosmostation completed integrating Secret Network on Cosmostation Mobile Wallet for iOS and released an update. This update included the following functionalities for Secret Network: Create, import, watch wallet. Check assets. Send, Delegate, Claim rewards, Tx history.

Cosmostation Mobile Wallet uses the official Secret Foundation derivation path m/44'/529'/0'/0/0. After release, we learned that most SCRT holders are currently using addresses imported from the old derivation path (m/44'/529'/0'/0/0) due to pre-existing wallets using the old path (thanks for the feedback [@johnredie](#)). On October 19th, we quickly released an update to support importing both the new and old derivation paths.

## Mintsan Block Explorer

Mintsan is an explorer developed with heavy focus on the end-user's convenience. Mintsan is used as the official block explorer for Tendermint-powered networks by most exchanges. Currently supports Cosmos Hub, Iris Hub, Binance Chain, Kava Network, Starnet Network.

## Value proposition to the community

Cosmostation maintains all products with high reliability and security. The mobile wallet application is completely non-custodial and open source with a proven track record and user base across most of the major networks built with the Cosmos SDK. Currently the Mobile Application supports the following Cosmos-SDK based networks: Cosmos Hub, Iris Hub, Band Protocol, Certik Chain, Kava Network, Binance Chain, OKChain, Starnet Network. With IBC launch imminent, we are going through preparation for UI/UX changes to deliver our users with a seamless experience with the multitude of use cases inter-blockchain communication will bring. Networks supported on Cosmostation Mobile Wallet will have exposure to the existing userbase who will have the chance to experience IBC on the front-end level.

We develop, operate, and maintain all of our service in the spirit of the Cypherpunk manifesto. Our mission as a validator node operator and ecosystem partner is to bring accessibility and usability to the networks we work with. I believe that the addition of Cosmostation Mobile Wallet and Mintsan Block Explorer to the already existing infrastructure on Secret Network will create a more vibrant ecosystem with a wide range of products/services with different value propositions users can choose from.

## About Cosmostation

Cosmostation is an enterprise-level validator node infrastructure provider and end-user application developer based in Seoul, South Korea. Prior to entering the node infrastructure landscape, Cosmostation specialized in application development, building non-custodial mobile wallets and web applications since 2017.

As a validator node operator with a strong focus on networks built with the Cosmos SDK, we secure various networks including the Cosmos Hub, Chainlink, Kava Network, Band Protocol, IRIS Hub, and many more. Cosmostation also develops and maintains powerful end-user applications for networks built with Tendermint. The suite of products include

Mintscan Block Explorer, Cosmostation Mobile Wallet (iOS, Android), Cosmostation Web Wallet, Keystation (end-to-end encrypted key manager for networks built with the Cosmos SDK), and open-source contributions for JavaScript development in Cosmos (CosmosJS).

We welcome any feedbacks on this proposal draft! Please visit our channels to learn more about Cosmostation.