

Stably RavenCoin Proposal v2

Original Proposal:

https://docs.google.com/presentation/d/1EMdCyenLPQYMafFVrzkPuS_15cI-GPIjdHLLz2A0Enk/edit?usp=sharing

Background

Stably aims to bring USDS, a fully collateralized fiat stablecoin to the asset-focused Ravencoin blockchain.

This Proposal outlines the open-source efforts of Stably that are necessary for the manual and automated issuance & redemption flow for USDS.

Stably works with many institutional asset issuers for USD, CAD, Gold, etc., and wants to support Ravencoin to become an institutional-grade blockchain for such use-cases.

Solutions

Stably proposes 3 different solutions for a full integration

1. Open-source Ravencoin assets CLI Tool

- The main idea behind building such a tool is to give institutional
- Tool with basic private key support for manual issuance and redemption of USDS on Raven
- An example of a similar tool that was built for the Tezos blockchain can be found here: <https://github.com/stablyio/usds-tezos/tree/main/cli>
- The tool would either be written in TypeScript, GoLang or Python (yet to be determined)

Ledger Integration

- In order to allow for institutional-grade asset operations and workflows we want to integrate ledger signing support into the CLI Tool
- This will likely depend on the Electrum-Raven integration for Ravencoin assets that are currently being built, Stably could provide development resources to accelerate development on this initiative

2. Open-source GoLang SDK for Ravencoin

- Stably's fiat on/off ramp infrastructure for USD deposits & withdrawals are built in GoLang, when integrating automated issuance into our Stably Prime platform we would need such an SDK
- Therefore we would like to build the first Ravencoin SDK with simple and secure interfaces that can easily be extended
- This SDK will provide endpoints not exclusive to:
 - RPC transaction broadcasting
 - Transaction building and signing
 - Account (private and public key) creation
 - Balance querying
 - Asset creation, ownership transfer, issuance, redemption, and transfer
 - Others

3. Node-as-a-service for Ravencoin

- In order for other asset issuers to easily integrate with the Ravencoin blockchain via RPC, easy node solutions are required

- Stably would run the necessary infrastructure to ensure a reliable, secure, robust, and geographically distributed solution with high uptime for both testnet and mainnet
- This service would be similar to Giganode on Tezos and would require a monthly maintenance fee to cover operating costs

Conclusion

Stably seeks to open-source the major part of its development and integration efforts to bring USDS to RavenCoin. Additionally Stably wants to open the door for other asset issuers to quickly and seamlessly integrate with RavenCoin through these solutions.

The time-frame for these solutions may vary and is yet to be determined. From Stably's side it would make the most sense to structure these via milestones/deliverables.