1. Why Do You Care?

- Holding Bitcoin, Ethereum, or other assets.
- Concerned about a self-sovereign key.
- Know that singular hardware storage is risky.
- Worried about losing your 12 words.



Self-sovereign control of your digital assets gives you independence, but it requires responsible key management!

3. What Does CSR Do?

- Divides seed; recover w/threshold of "shares".
- **Backs up first share in platform cloud.**
- Stores other shares in share servers.
- Allows recovery with a variety of auth.
- **Automates everything to make it simple!**



Though it can be hard to protect our self-sovereign seeds alone, we can do so by working together!

5. Who is Involved with CSR?

- Working with Bitmark, Foundation, Proxy.
- The goal is an interoperable solution for all.
- We are holding biweekly meetings.
- Discussing specs & demonstrating progress!









The goal of Blockchain Commons is to bring the community together to build interoperable specs & infrastructure.

7. Deep Dive: Envelopes

- Envelopes are the foundation of CSR.
- They are Smart Documents.
- Encrypt secrets; store metadata.
- Lock with Shamir, public keys, and more.
- · Permits allow multiple methods of access.











Envelopes today can encrypt data with Shamir & keypairs. They're also future-proofed to allow more access methods.



Blockchain Commons

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2. Why is Self-Sovereign Dangerous?

- It's easy to lose a seed.
- It's easy to lose backup words too!
- Hardware devices can become obsolete.
- Theft! Disaster! Loss! So many risks!



Self-sovereign custody reduces the risk of external attack, but you have to also reduce the risk of internal loss.

4. What's Innovative in CSR?

- Storing shares physically is risky & hard.
 - Platform clouds automate.
 - Share servers automate.
 - Better protection than physical copies!
- · Recovery needs to be secure.
 - A variety of auth improves security.
- Classic shares store small amounts of data.
 - Envelopes will solve that.

The goal of CSR is to expand & automate seed backup. Users should be able to automatically protect their assets!

6. Why Should You Be Involved?

- 1. You have single keys that need protecting. You want to spread risk & lower liability.
- 2. You want to run a share server.
- 3. You want to improve crypto accessibility.
- 4. You want to advocate your interests.









We want to work with more developers & hardware vendors. Want to be a member of the CSR community? Talk to us!

8. How is CSR Future-Proofed?

- Uses BLAKE3, ChaChaPoly & Schnorr.
- Plans for VSS & distributed key generation.
- Future permits for multisig & crypto-scripts.
- Open arch works for many chains!







CSR is carefully designed for both the present-day and future of cryptography, so that it won't become obsolete!