



Blockchain Commons

***Advocating for the Creation of Open, Interoperable,
Secure, and Compassionate Digital Infrastructure***

Blockchain Commons #Gordian Meeting 2026-01-06



What is Blockchain Commons?

- We are a community interested in self-sovereign control of digital assets.
- We bring together stakeholders to collaboratively develop interoperable infrastructure.
- We design decentralized solutions where everyone wins.
- We are a neutral "not-for-profit" that enables people to control their own digital destiny.

Thank you to our Sponsors!

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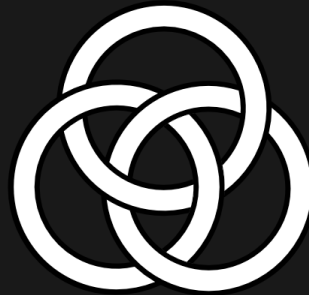
 **FOUNDATION**

 **Human
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Community Grants

Become a sponsor! Mail us at team@blockchaincommons.com



Happy New Year!

Today's Topics:

- The Year in Review (in Brief)
- A Playground Demo
- Updating Known Values



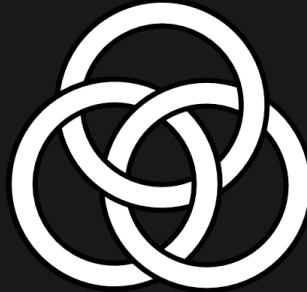
2025 in Review

Watch for our full blog post on the year!

But in brief:

new technologies, new directions, and a FROST capstone

Here's a bit more on our recent tech ...

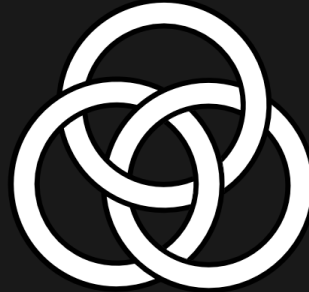


2025: Clubs

New Technology!

- **Autonomous Cryptographic Objects**
 - Pass around Envelopes of Data
 - Encrypt Data, Sign Payloads
- *Preserve Agency When Infrastructure Fails*

<https://developer.blockchaincommons.com/clubs/>



2025: Provenance Marks

New Technology!

- **Forward Commitment Hash Chain**
 - Order Linked Digital Objects
 - Track Editions, State Changes, Histories
- *Verify against Fraud*

<https://developer.blockchaincommons.com/provemark/>

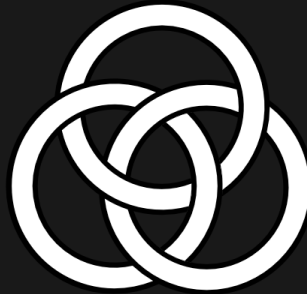


2025: Hubert

New Technology!

- **Dead-Drop Hub**
 - Exchange Messages through Distributed Storage
 - Extreme Privacy: Messages Look Like Noise!
- *Foil Surveillance & Censorship with Decentralization*

<https://developer.blockchaincommons.com/hubert/>

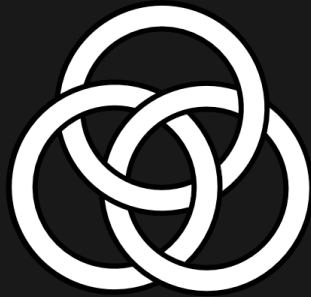


2025: FROST

A Capstone for our FROST Work!

- Demos for FROST with Bitcoin
- Demo for FROST with Hubert
- ZF FROST Signing Verification Tool
- Learning FROST from the Command Line

<https://developer.blockchaincommons.com/frost/>
<https://learningfrost.blockchaincommons.com/>

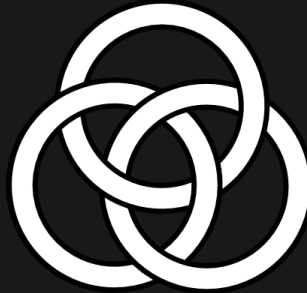


2025: Great Community Support

Finally, Thanks to Our Community!

- Our libraries are now converted to 10(!) languages
- There was a big expansion of Typescript in 2025
- There are now two playgrounds for our specs

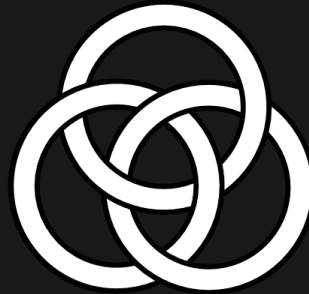
And here's Leonardo to talk about his work ...



About Known Values

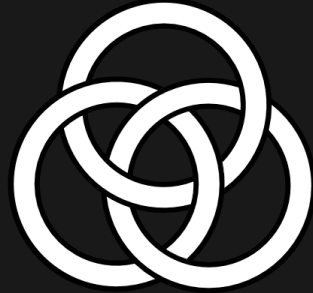
- **Integers to Represent Concepts**
 - Easy, Standardized Compact Binary Representation
 - BCR 2023-002 for Current List
- How Do We Best Open Up their Expansion to the Community?

<https://github.com/BlockchainCommons/Research>



Why We Are Revisiting This?

- We Have Multiple Blockchain Interested in This!
- There is a Broader Community!
- So We Need to Support Interop Better
 - For Example, Many Known Values Are Bitcoin Specific
- Then Others Can Take Advantage of CSR, FROST, etc.



On to Revisiting SSI

We are Revisiting Self-Sovereign Identity Principles!

- Next Meeting for Americas, US, Europe:
 - Mon Jan 13, 10am PST / 7pm CET
- Next Meeting for Asia-Pacific, Europe:
 - Tue Jan 14, 3pm JST / 7am CET
- Join the SSI Mailing List or Signal for Zoom URL!

<https://www.blockchaincommons.com/subscribe/>



Next Gordian Meeting

February 4th

- Current Planned Topics:
 - Envelope Builder
 - Typescript Libraries



www.BlockchainCommons.com



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