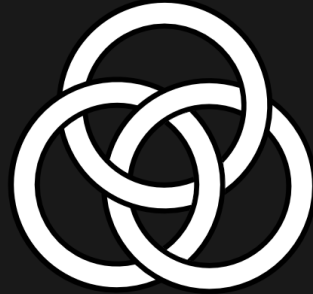




Blockchain Commons

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

Blockchain Commons #Gordian Meeting 2023-07-05



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.

Who am I?

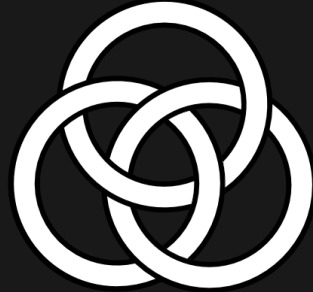


Christopher Allen (@ChristopherA)
Principal Architect & Executive Director



What are the #Gordian Meetings?

- Developers jointly expand & use the Gordian specs.
- Open, interoperable, secure, compassionate infrastructure.
- Goals for 2023:
 - dCBOR libraries
 - Gordian Envelope usage
 - Collaborative Seed Recovery (CSR)
 - Collaborative Key Management (CKM)



Last Meeting

June Developer Meeting

(June 6th, 2023)

- Shamir Updates & Ledger
- From SSKR to CSR
- Introducing SeedHammer
- Gordian Use Cases for Education & Wellness
- Gordian for Rust!



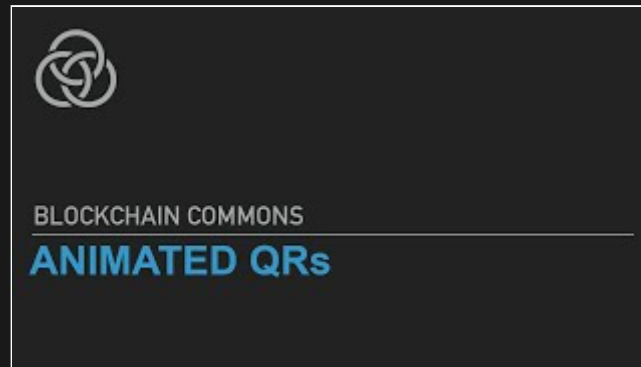
Today's Topics

- Return to URs & Animated QRs
- UR Experiences (thunderbiscuit)
- A LifeHash Use Case (Craig)
- IETF 117 Meetings
- Self-Sovereign Identity
- Gordian SeedTool 1.6 (Wolf)
- Standardizing for CSR



Return to URs & Animated QRs

- We're working on exciting new stuff like Envelope
 - But URs continue to be the foundation of our interoperability!
- Developer Docs: <https://tinyurl.com/ur-intro>
- New PSBT Doc: <https://tinyurl.com/ur-psbt>
- And then there's Animated QRs ...

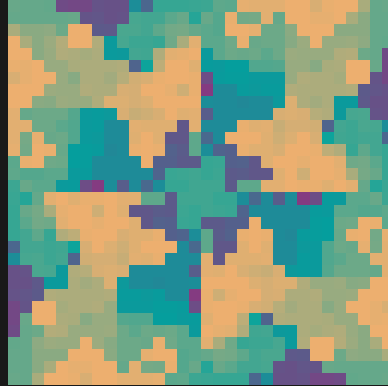


- Animated QRs Video:
 - <https://tinyurl.com/animated-qrs>
 - Why & How Animated QRs Work
 - Highlights Sparrow, GST, Passport
 - We'd Love to Get Videos of Your Device Too!



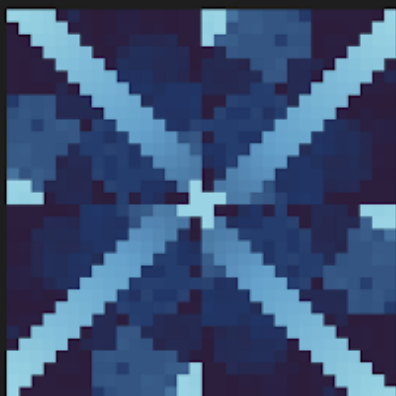
UR Experiences

- Looking into the UR Spec
- Libraries for Kotlin Multiplatform
- Animated QRs in Cashu
- Bitcoin Development Kit Rust Language Bindings



A Lifehash Use Case

- Lifehash is now in Sparrow!
- Why? How?
- What's next? Who's next?



ffa11a8

[604b93f2]

**128-bit Seed Public Test Vector (Yinmn
Blue) 604b93f2**

Size: 128 bits

Strength: **Very Strong**



Cosigner Public Key



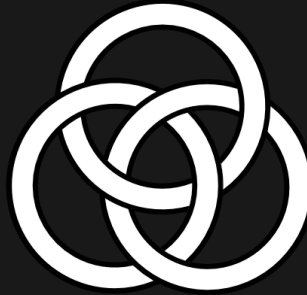


IETF 117 Meetings

- Gordian Will Be at IETF 117 on Monday, July 24th
- Gordian Envelope Public Side Meeting
 - Monday July 24th, 15:30-17:00
 - The Golden Gate 4 Room
- CBOR Meeting
 - Monday July 24th, 17:30-18:30
 - The Continental 5 Room
 - 15 minutes scheduled for dCBOR discussion



Self-Sovereignty



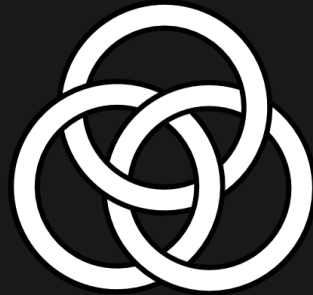
Gordian SeedTool 1.6

- Our MVA for CSR
 - ur:sskr for ur:envelope
 - Inclusion of Descriptor Metadata
 - Seed Reconstruction
- Still for the Future
 - Progressive SSKR Splits
 - Persistent SSKR Sessions
 - Unencryption Metadata to Assist Recovery (Hints to Shard Holders)



Standardizing for CSR

- What forms should we standardize?
 - Optional BIP 38? BIP 85? Support 384?
- What metadata should we standardize?
 - BIP 329?



Priorities

- What is your roadmap for interop?
- How can Blockchain Commons help?



www.BlockchainCommons.com



Christopher Allen (@ChristopherA)

