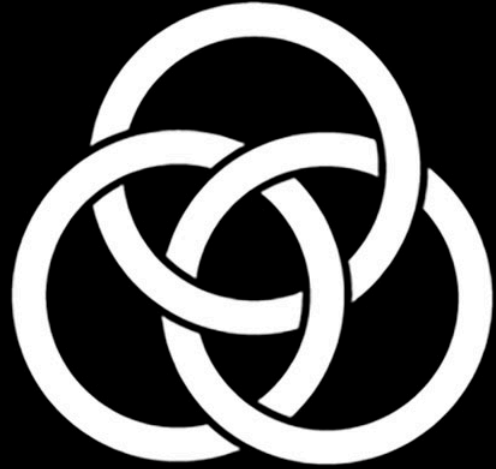




Blockchain Commons

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

Bitcoin Resilience & Interoperability
2026-08-05



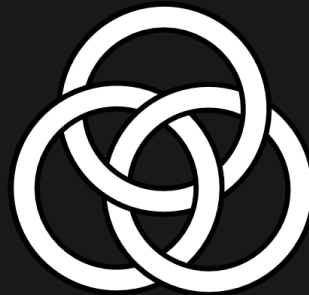
What is Blockchain Commons?

- 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.

Thank you to our Learning Bitcoin Sponsor for 2026!



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



Today's Topics

- Quarterly Review
- Sharding Secrets
- Keylay Intro

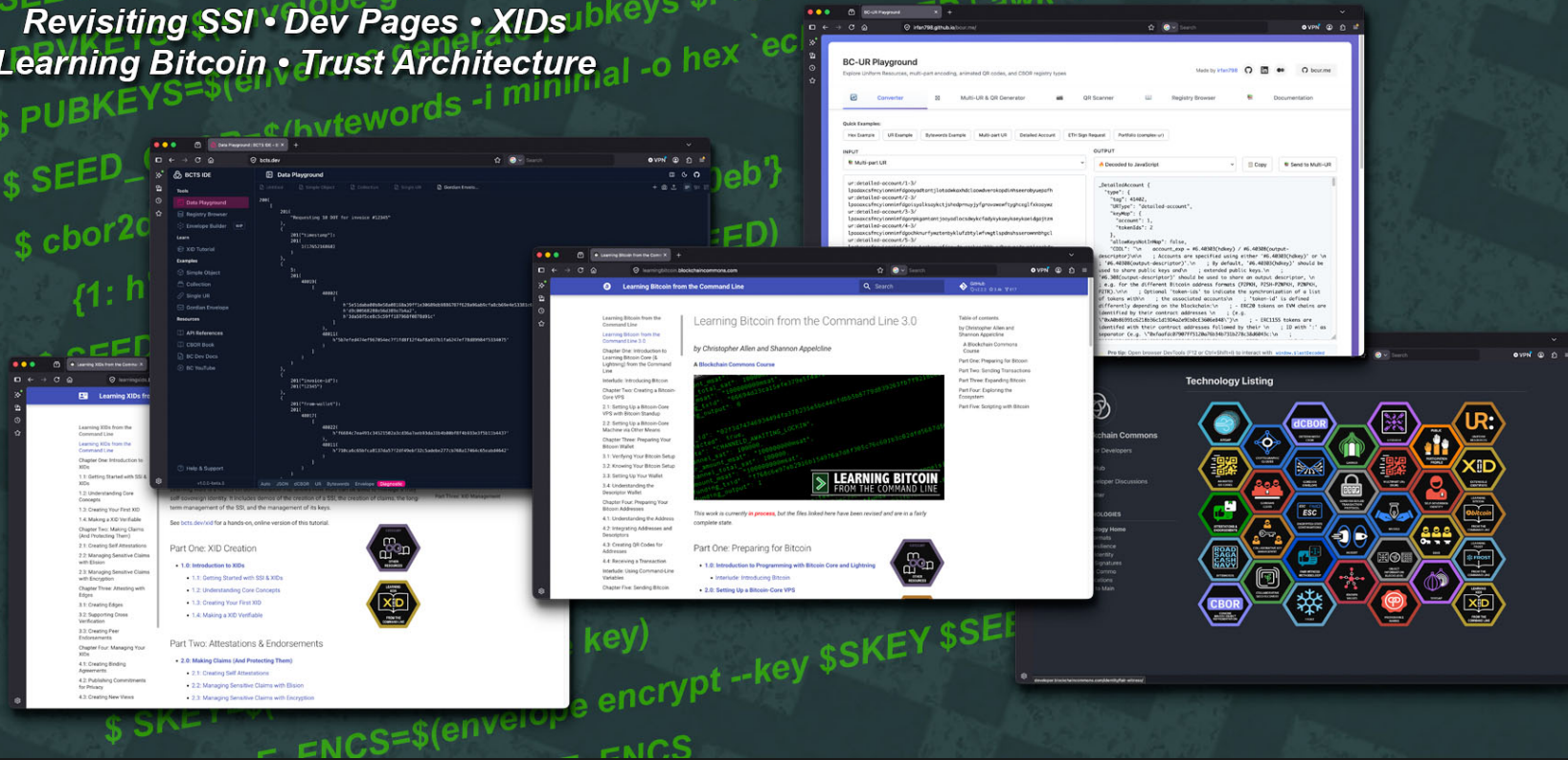
Our Q2 Report is Out

Q2 2026



Blockchain Commons

Revisiting SSI • Dev Pages • XIDs
Learning Bitcoin • Trust Architecture



Here's a quick summary ...



Revisiting SSI

- Meetings continue
- Community is revising principles
- <https://revisitingssi.com/>



Dev Pages

- Revision & Expansion
- New Organization
 - <https://developer.blockchaincommons.com/technology/>
 - <https://developer.blockchaincommons.com/resources/>
 - Next up: Architecture
- New Pages
 - <https://developer.blockchaincommons.com/identity/>



Learning XIDs

- New Chapter 5:
 - Managing Keys
 - https://learningxids.blockchaincommons.com/05_0_Keys/
- Amira Progress Report



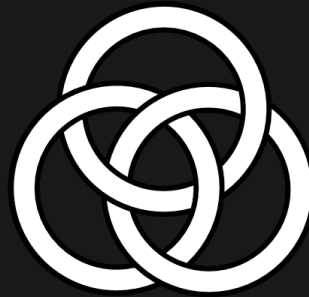
Learning Bitcoin

- We have updated most of the course to date
 - <https://learningbitcoin.blockchaincommons.com/>
- Fully integrates PW2PKH, P2WSH, Descriptors, Signet
- New Chapters
 - Working with Secrets (today's first presentation!)
 - Working with Miniscript
- Next up: Taproot (August)



Trust Architecture

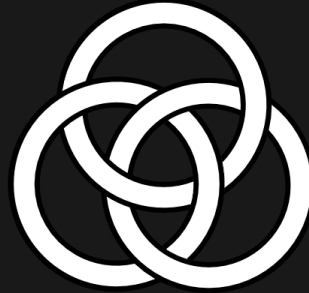
- Several new articles in Q2
 - Ten Years of SSI
 - AI Agency & Intelligence as Permission
 - Our Exodus & Ethereum Sanctuary
 - Why We Created Envelope as a 15th Standard



For More ...

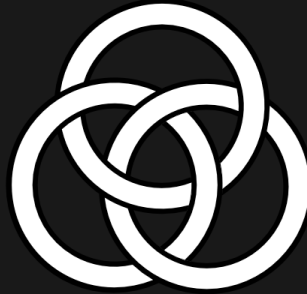
- Quarterly
 - www.blockchaincommons.com
- Musings
 - www.blockchaincommons.com/musings/
- Developer Pages
 - developer.blockchaincommons.com

And now on to our feature presentations ...



Presentation: Making Bitcoin Resilient

- Resilience & Interoperability
- How to Extract Secrets from Bitcoin Core
- How to Store Them Securely & Resiliently
- How to Create Seeds & Import Them



Presentation: Keylay

- QRs are a secure storage & transmission method
 - PSBTs, descriptors, extended keys, seeds
- But how do you securely transmit them across the net?
 - ephemeral X25519 pairwise sessions
 - no accounts or persistent identity
 - relay treated as adversarial
 - air-gap bridging via BC-UR/BBQr animated QR



www.BlockchainCommons.com



Christopher Allen (@ChristopherA)