



Dev Meetup Lusaka 2025

 **ANITA
POSCH**



Anita ⚡🏳️‍🌈 Bitcoin for Fairness ✓

@AnitaPosch

Promote



is this the future of payment? http://www.youtube.com/watch?v=Um63OQz3bjo&feature=player_embedded #bitcoin ₿

10:39 AM · May 31, 2011





WUB Harare
Learn Bitcoin
Your Toolkit for Economic Empowerment



 **BITCOIN
FOR
FAIRNESS**

 **UABA**

Ghana

Meetups total: 50 participants
Hardware Wallets Trezor give-aways
AfroBitcoin conference speaker

Nigeria

Meetups total: 20 participants

Kenya

AfroBitcoin conference speaker
Project visits: Bitsacco, Bitcoin Dada, BTC Babies, Tando.me, BTC Nairobi

Zambia

Media appearances: 10
Bitcoin-only WhatsApp group: 80 members
Meetups total: 150 participants
Bitcoin talks: 100 participants
Workshop with 50 Human Rights Activists
Workshop for Journalists: 10 participants
Hardware Wallets Trezor workshop
Bitcoin- and Lightning Node: 1
Bitcoin VicFalls: found Co-Lead

Malawi

Connected Gridless Mining in Bondo

Zimbabwe

Media appearances: 5
Bitcoin-only WhatsApp group: 300 members
Meetups total: 170 participants
Bitcoin talks: 120 participants
Hardware Wallets Trezor workshop
Initiated Bitcoin mining with solar operation: 1

Namibia

Support local initiative EasySats

South Africa

Bitcoin- and Lightning Node: 1
Hardware Wallets Trezor workshop
Matchmaker: Paxful education center
Matchmaker: Bitcoin teacher

Botswana

Bitcoin talk: 12 participants

Upcoming BitDev?



<https://www.youtube.com/watch?v=ZeRQgplckzg>

Opportunities

Q1, 2025 Btrust Grant Recipients

Btrust Grants support individuals and organizations, in the Global South, working to strengthen the Bitcoin open-source ecosystem.



Brandon Odiwuor



Itoro Ukpong

General Fund

by OpenSats

We help you find and support open-source Bitcoin projects - helping create a better tomorrow, today.

Operations Budget

by OpenSats

Contributions to the OpenSats Operations Budget will be used to cover our operating expenses as we...

The Nostr Fund

by OpenSats

Funding nostr protocol development and other stuff.

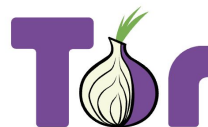
Project Showcase



Bitcoin Design Community

by Christoph Ono

A free, open-source community resource for designers, developers, an...



The Tor Project

by The Tor Project

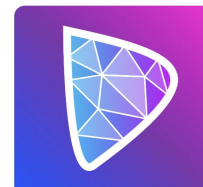
The Tor Project advances human rights and defends your privacy online through...



Bitcoin Core

by Bitcoin Core Developers

Bitcoin Core is the reference implementation of the Bitcoin protocol.



Damus

by William Casarin

Damus is one of the most established and popular nostr client for iOS.

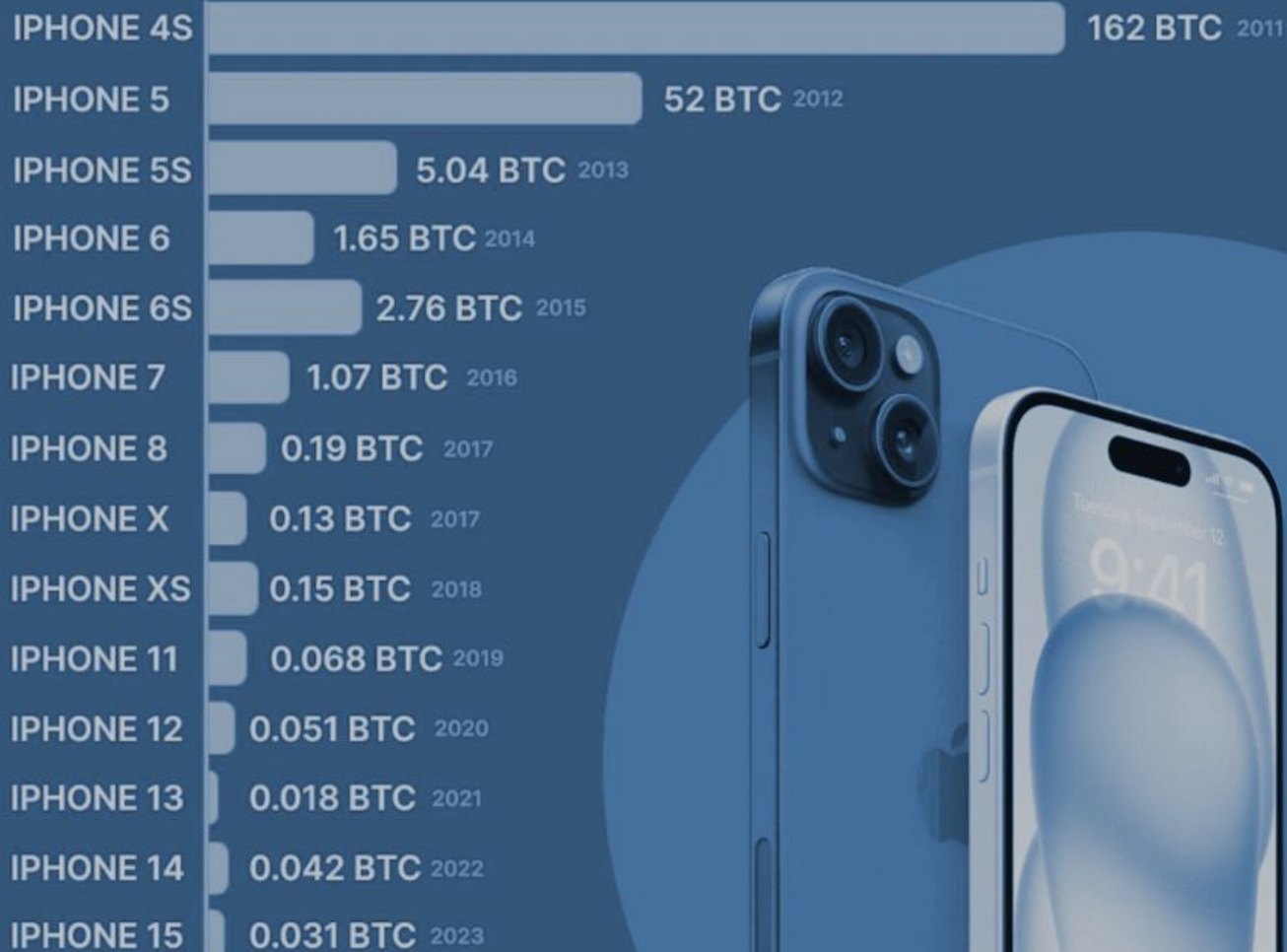
<https://www.btrust.tech/builders>

<https://opensats.org>



Bitcoin Gives Opportunities

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Source: CoinGecko. Chart not to scale.



No Inflation Digital Resistant

 **ANITA**
POSCH



Ownership Inclusion Privacy

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POSCH



**Ownership =
Self-Custody**

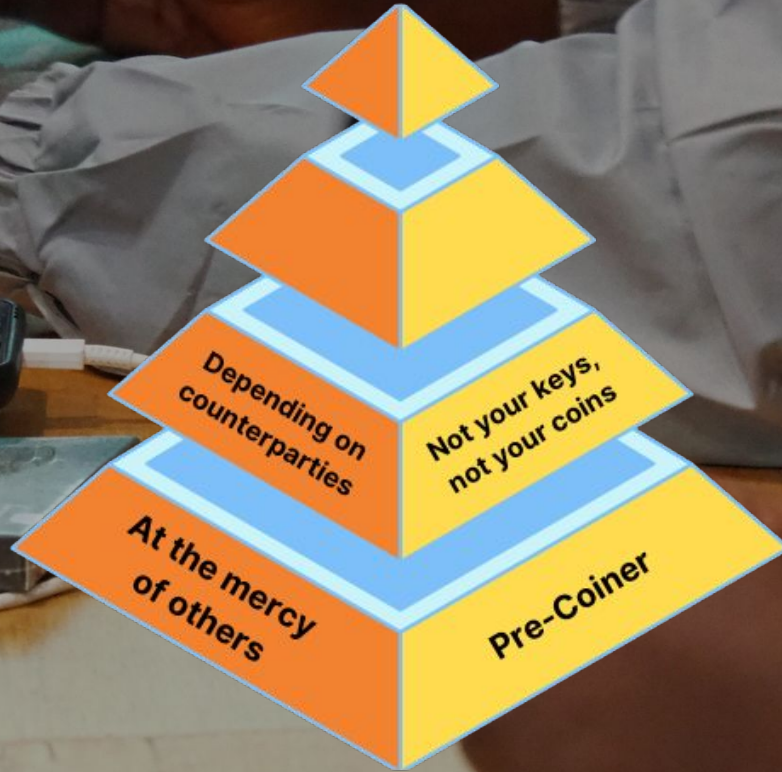
 **ANITA
POSCH**

Staircase to Self-Sovereignty



1

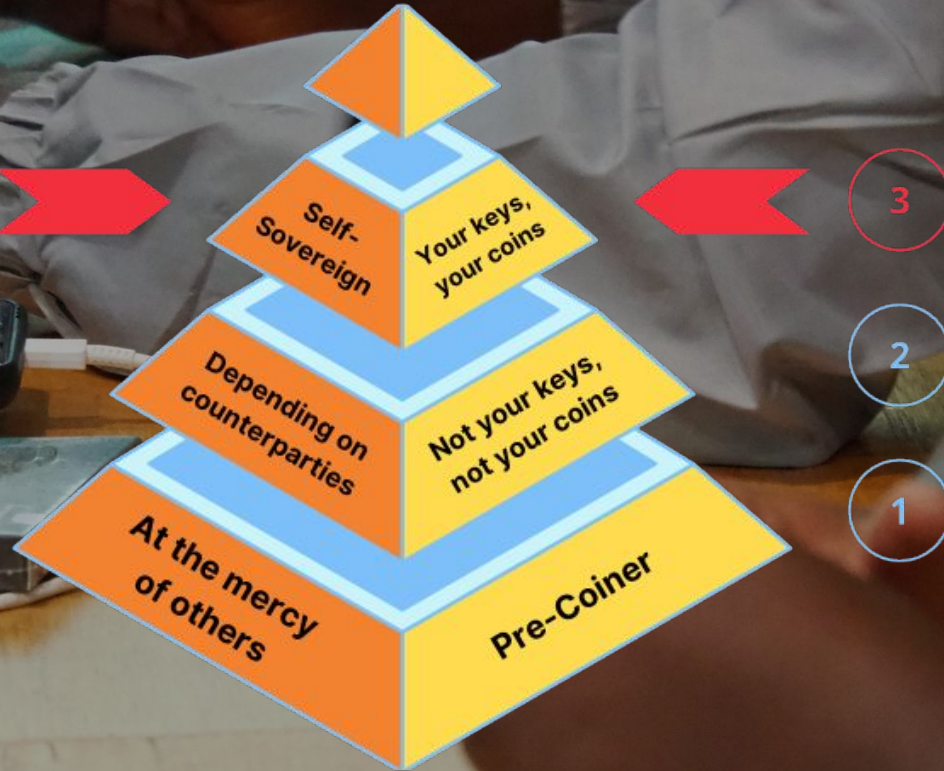
Staircase to Self-Sovereignty



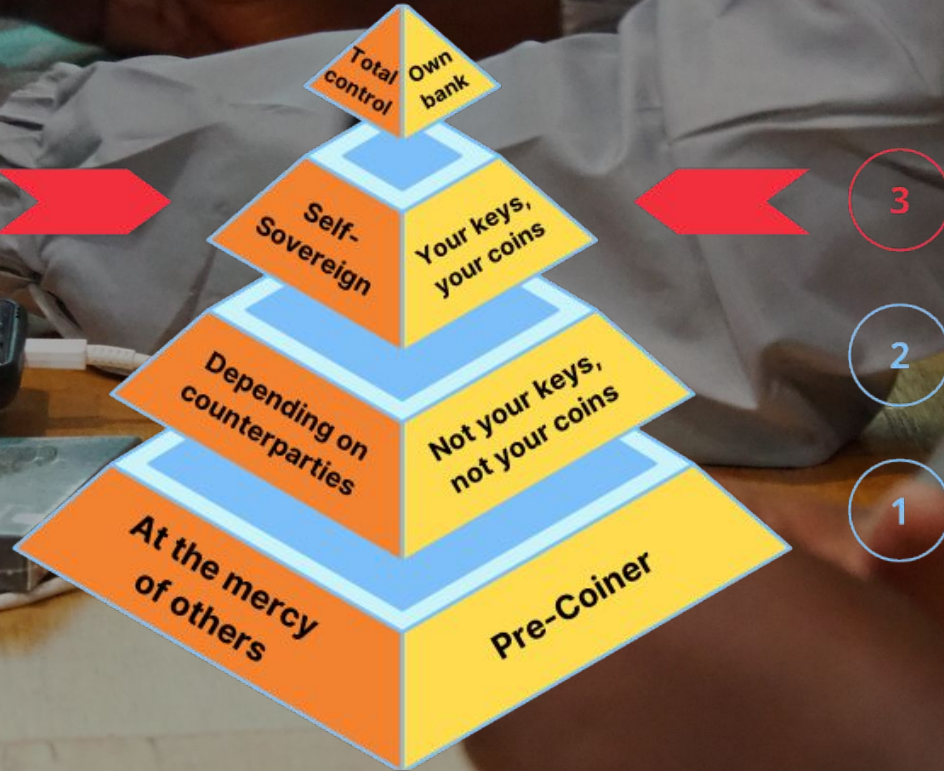
2

1

Staircase to Self-Sovereignty



Staircase to Self-Sovereignty



A Fork on the Road

The logo for ANITA POSCH features a stylized orange lightning bolt icon to the left of the text. The text "ANITA" is in a bold, white, sans-serif font, and "POSCH" is in a regular weight of the same font, both in white.

ANITA
POSCH

Bitcoin Is: 21 Mio. Limit

The sum equals the total number of bitcoin

$$\sum_{i=0}^{32} 210,000 \frac{50}{2^i}$$

Number of blocks between halvings

The i represents the halving events

The block subsidy (the original block subsidy was 50 BTC)

Bitcoin Is: Rules Written in Code



The sum equals the total number of blocks

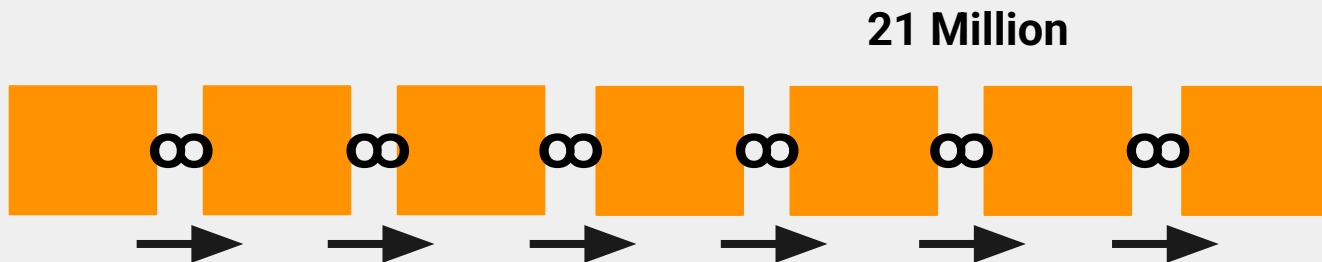
32

The block subsidy (the original block subsidy was 50 BTC)

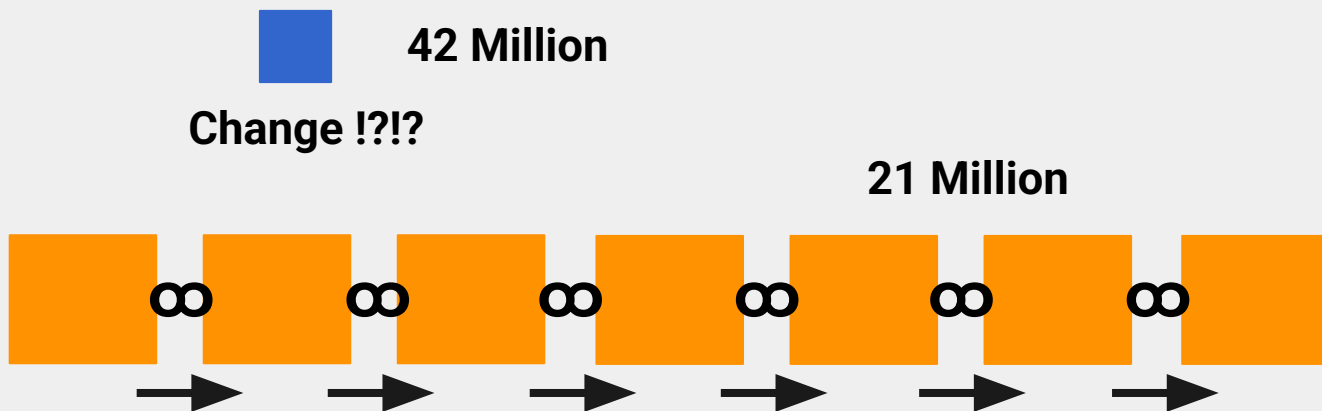
```
CAmount GetBlockSubsidy(int nHeight, const Consensus::Params& consensusParams)
{
    int halvings = nHeight / consensusParams.nSubsidyHalvingInterval;
    // Force block reward to zero when right shift is undefined.
    if (halvings >= 64)
        return 0;

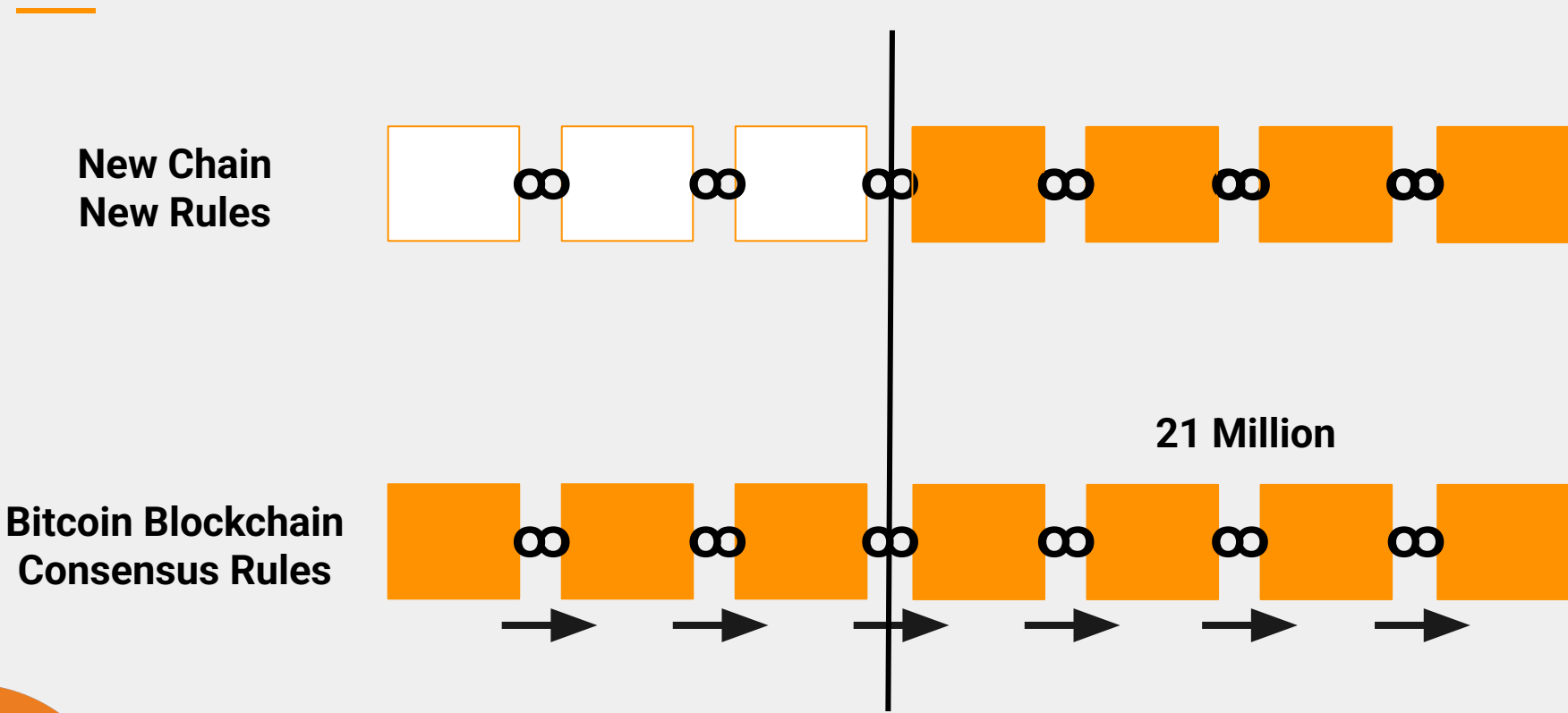
    CAmount nSubsidy = 50 * COIN;
    // Subsidy is cut in half every 210,000 blocks which will occur approximately every 4 years.
    nSubsidy >>= halvings;
    return nSubsidy;
}, []
}
```

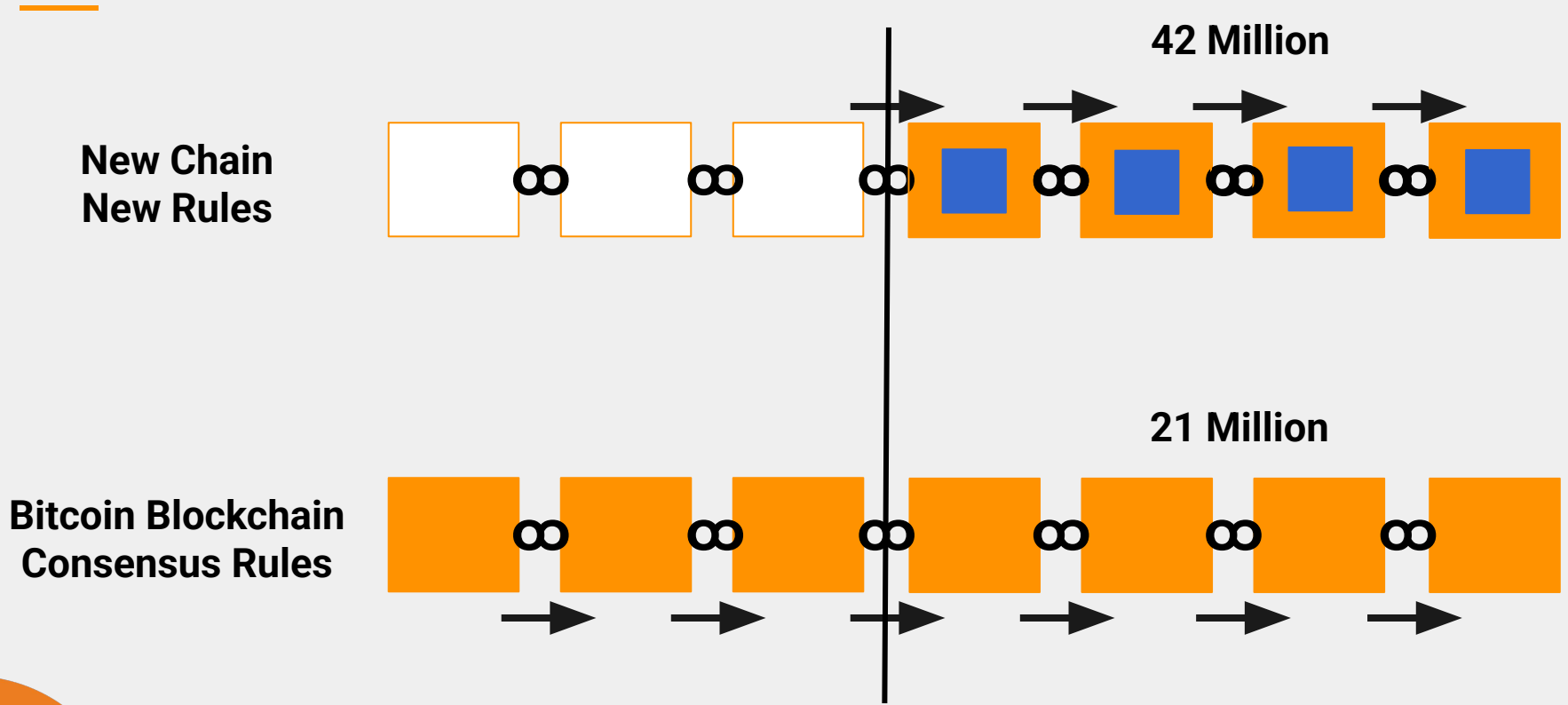
Bitcoin Blockchain Consensus Rules

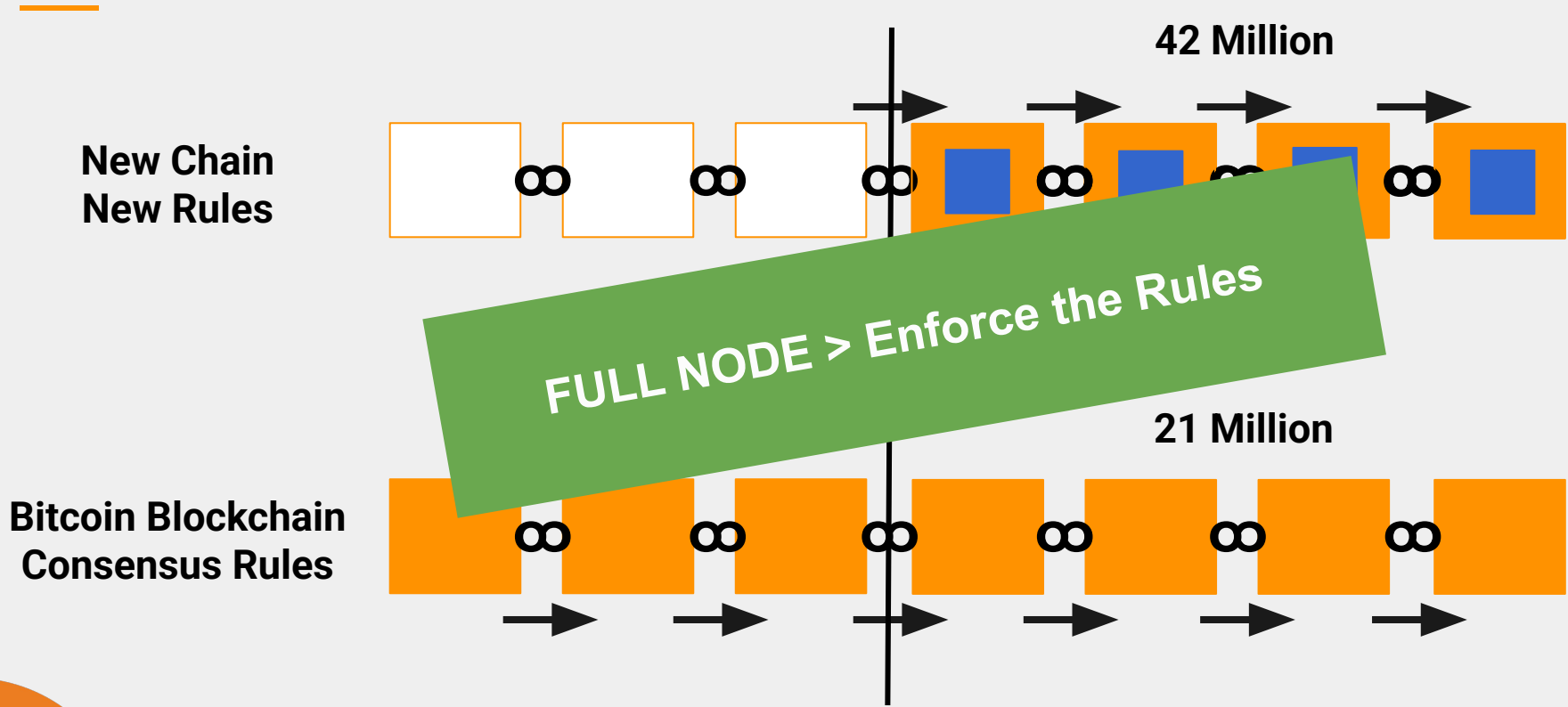


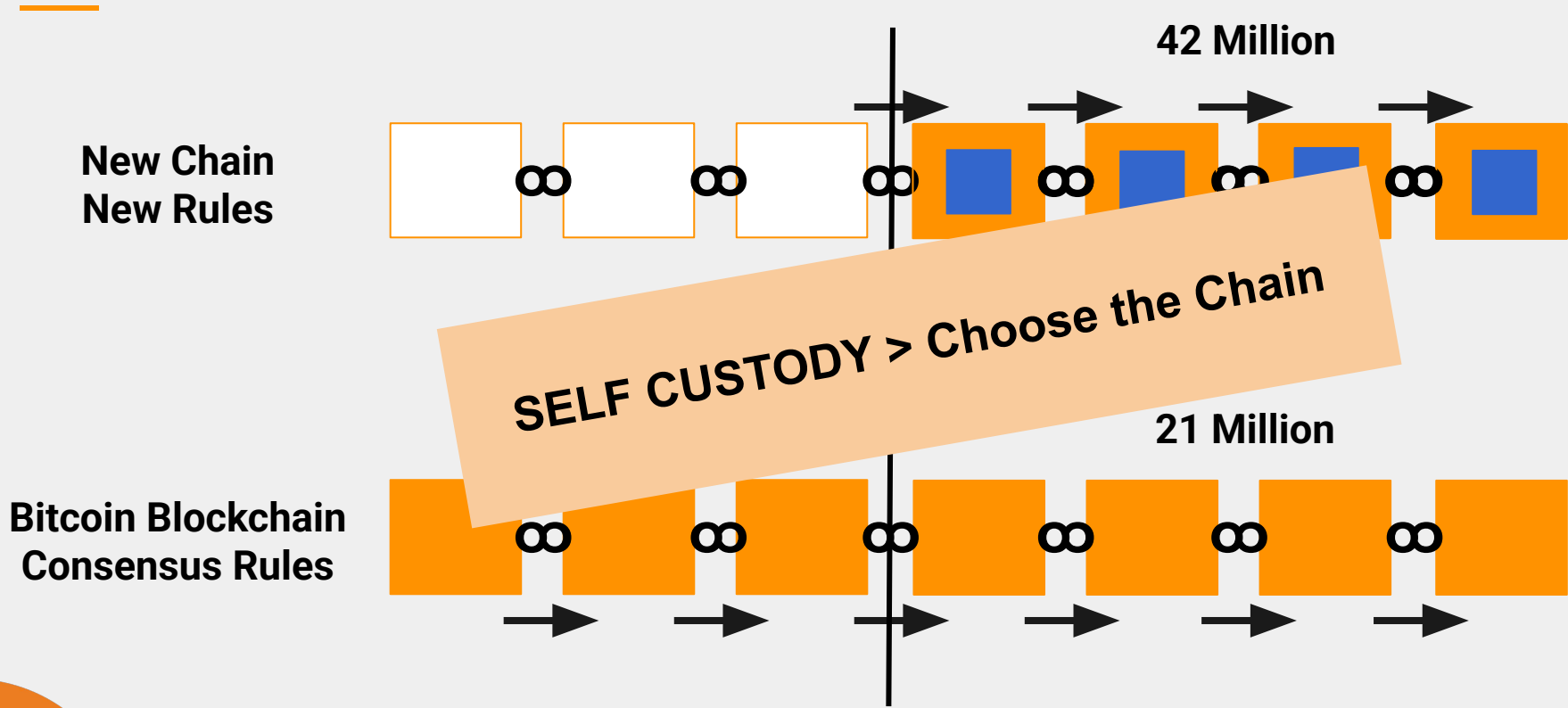
Bitcoin Blockchain
Consensus Rules



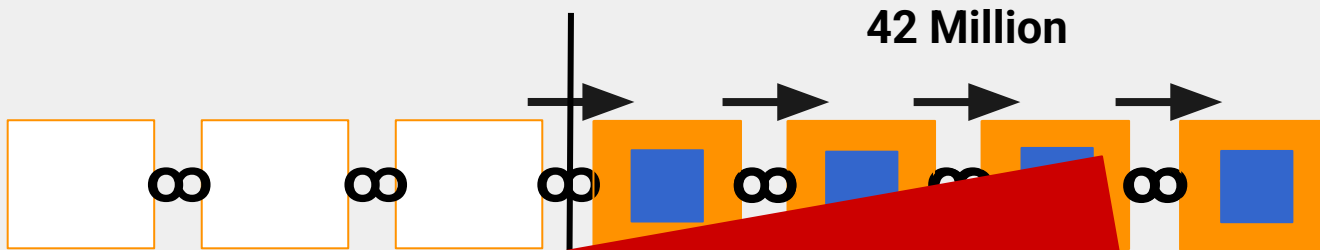






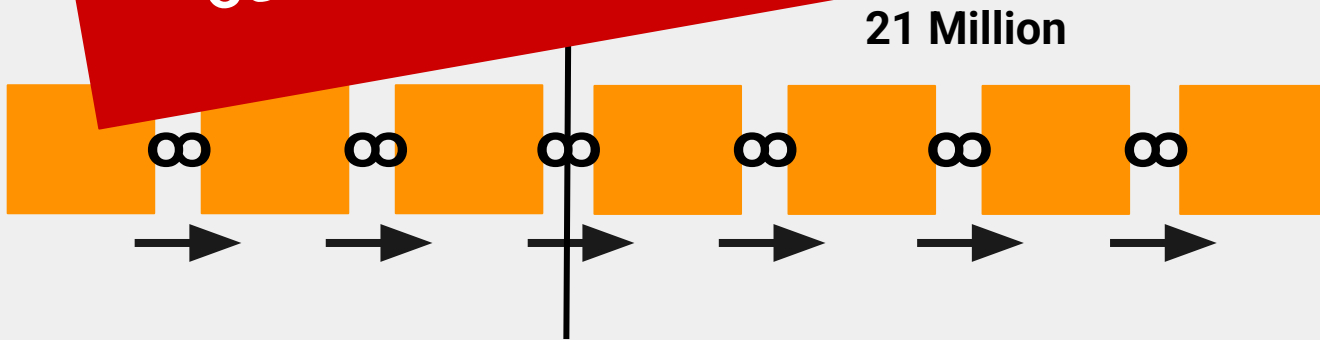


New Chain
New Rules



CUSTODY > You are Powerless.

Bitcoin Blockchain
Consensus Rules



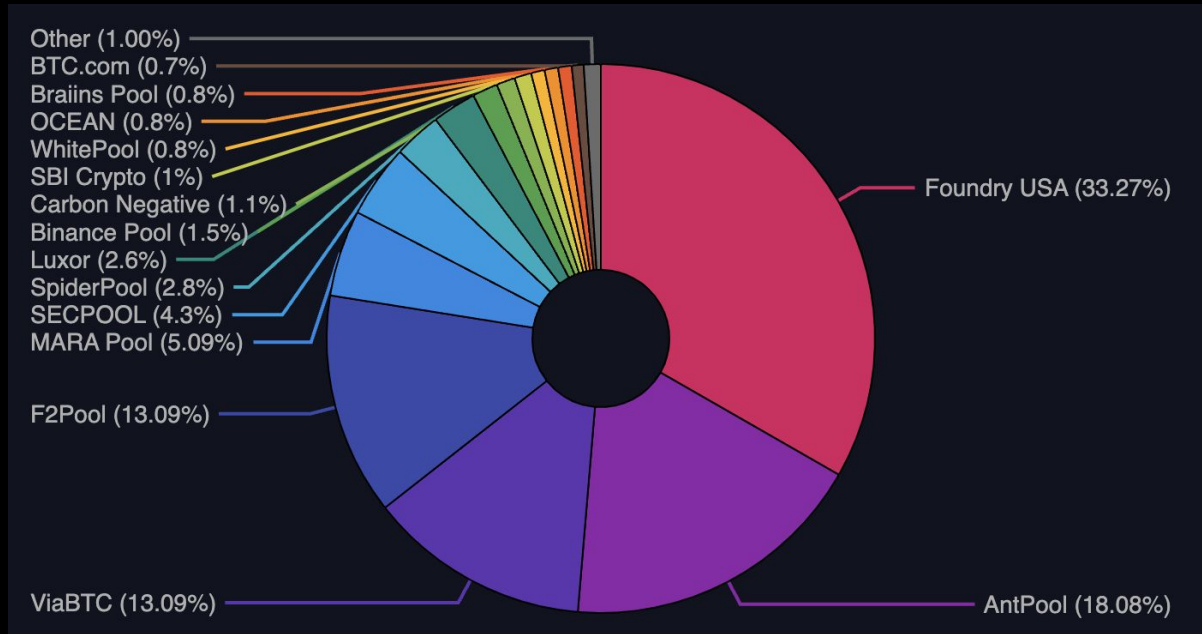
Bitcoin's Characteristic Is Not A Given

Can be co-opted by people, who

- **Don't care** about Cypherpunk principles
- **Don't care** about people's privacy
- **Don't care** about enforcing human rights
- **Don't care** about fairness



Bitcoin's Uncensorability Is Not a Given



Bitcoin's Uncensorability Is Not a Given

- **Mining corporations** underlying national regulations **can be forced to censor transactions.**
- **Next step: governments force miners to censor transactions** to shut down any protests.





**We the People;
Need to Be Active**



**ANITA
POSCH**



**REJECT
FINANCE
BILL**

- Bitcoin is **once in a lifetime chance** to a fair accessible financial system that does not discriminate.
- **Self-custody, running nodes and home mining** are the backbone that **we the people** need to run to secure this system.



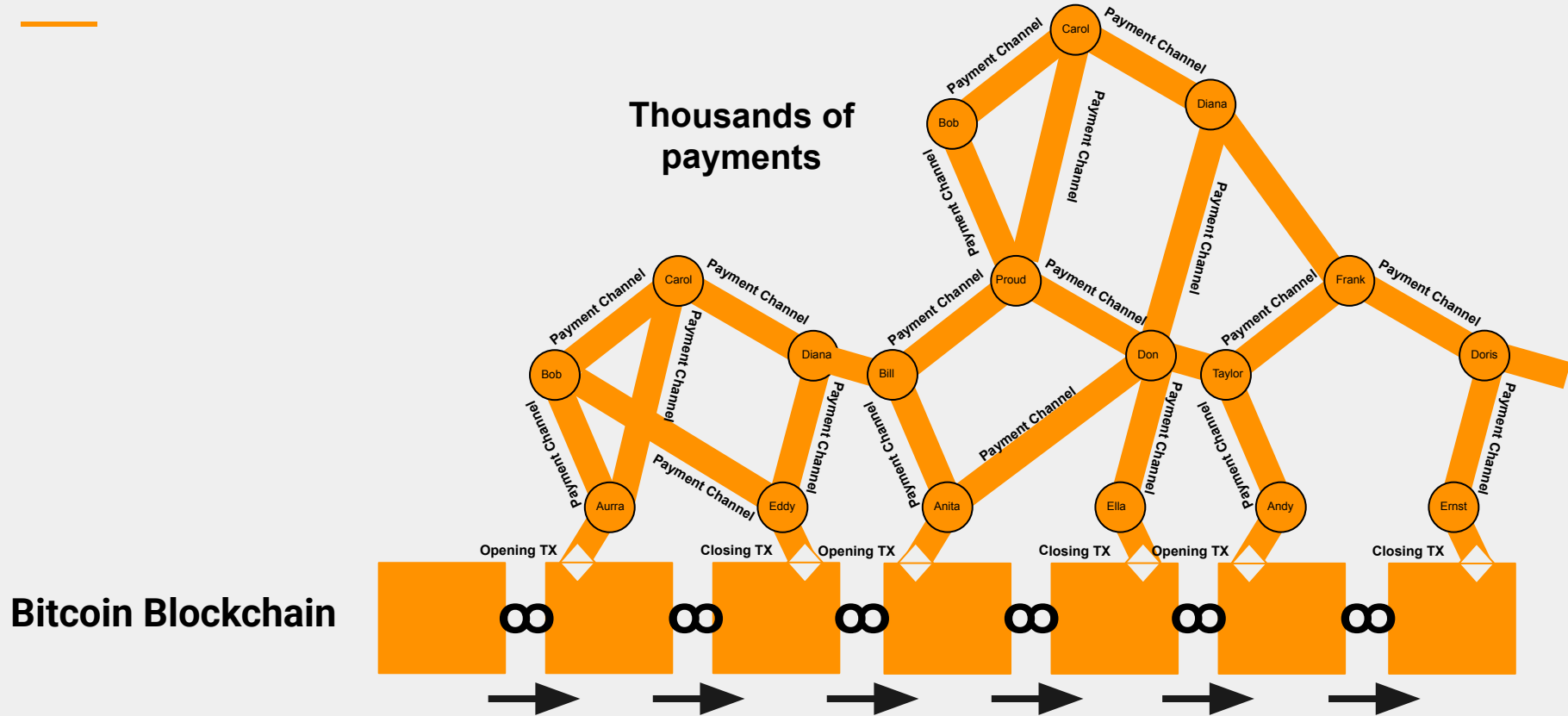


Scaling Bitcoin

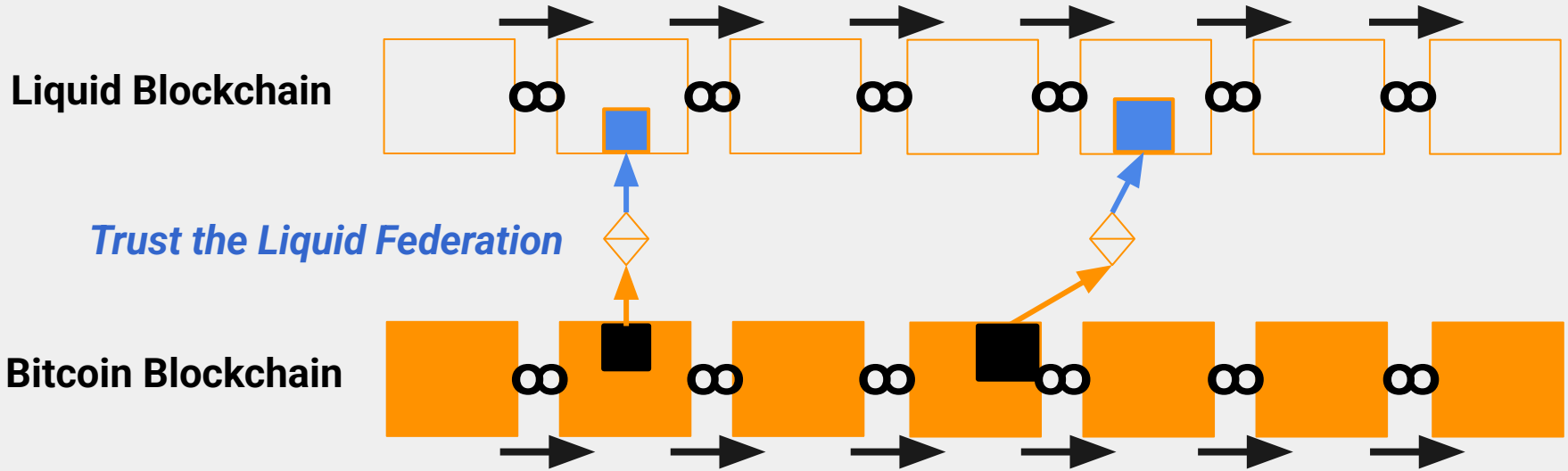


**Bitcoin Blockchain around 4,000 tx max. in a block
every 10 min. new block
576,000 tx per day**

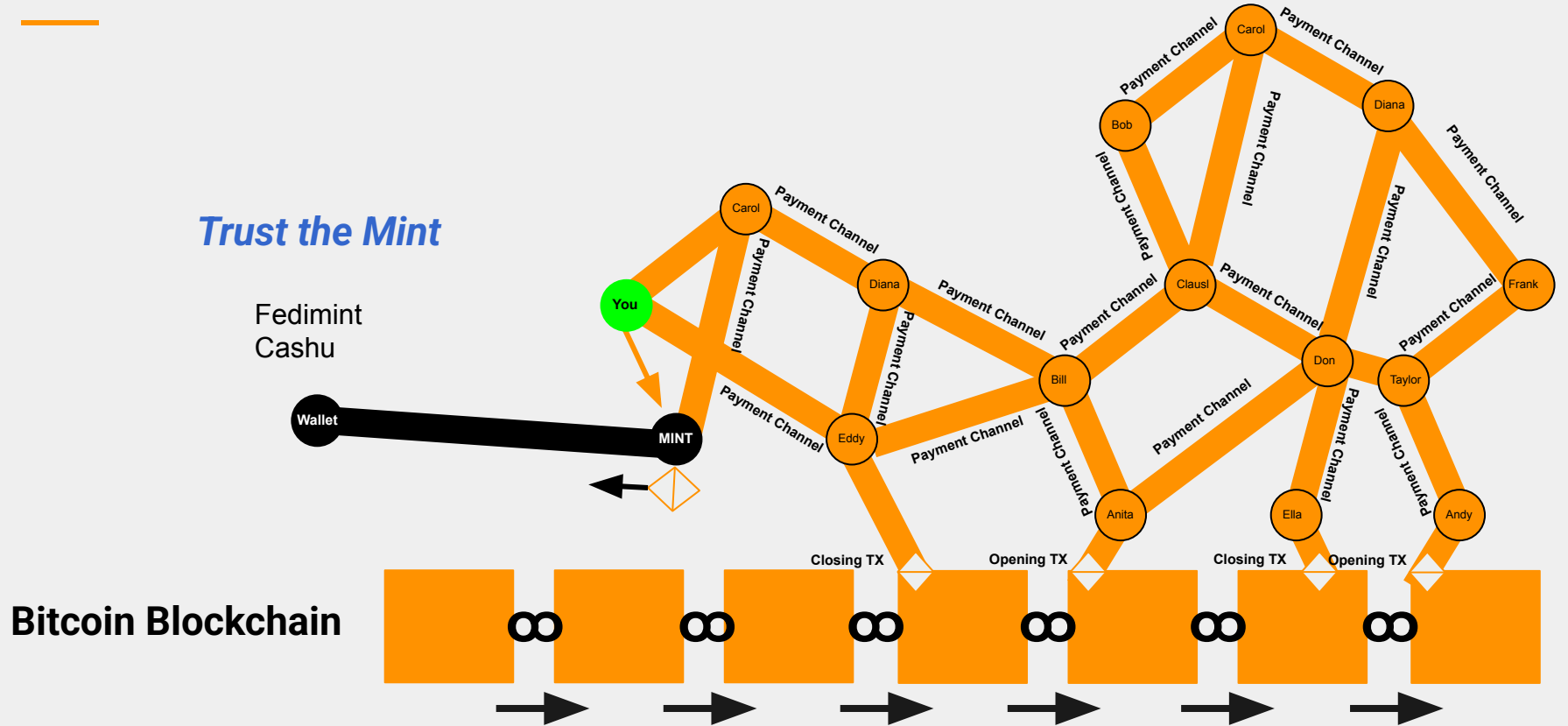
Lightning Network: Layer 2



Liquid Network: Sidechain



E-Cash: Anonymous Digital Money





Self-Custody Trumps Custody



Wallet of Satoshi ✓

@walletofsatoshi



To our valued Wallet of Satoshi community in the United States of America,

We've dedicated ourselves to providing the best Bitcoin experience with Wallet of Satoshi, being at the forefront of Lightning usability and adoption. However, we've made the difficult decision to remove our app from the U.S. Apple and Google app stores, and will not serve U.S. customers going forward.

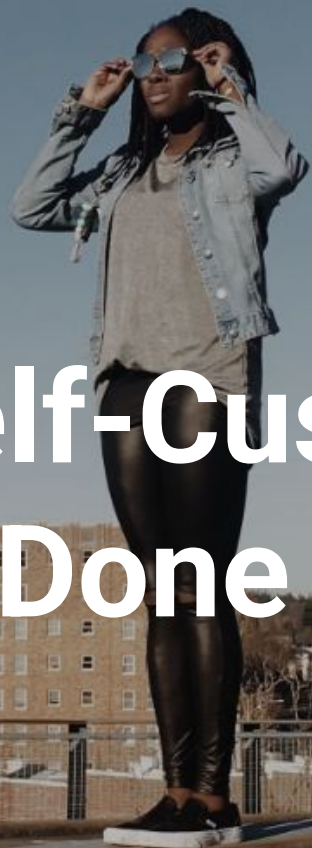


Self-Custody Is Priceless





Self-Custody Is Done in Steps





**Start with Aqua Wallet or Coinos
Stack ~100,000 sats**

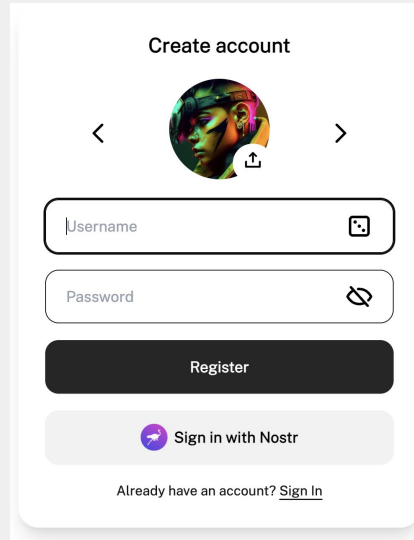
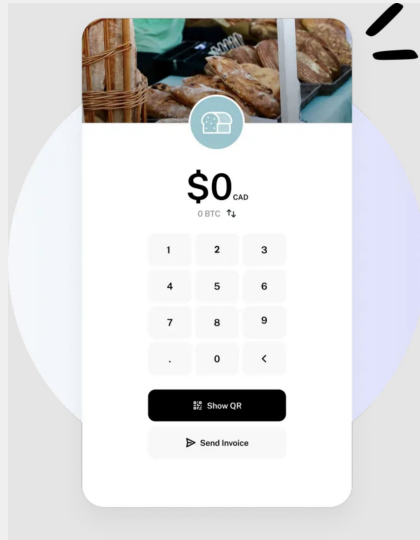
**Open a channel on Phoenix
Swap ~80,000 into Liquid**

**Result: Channel to receive 80,000 and
send 20,000**

Custodial Bitcoin, Lightning, Liquid, eCash: Coinos

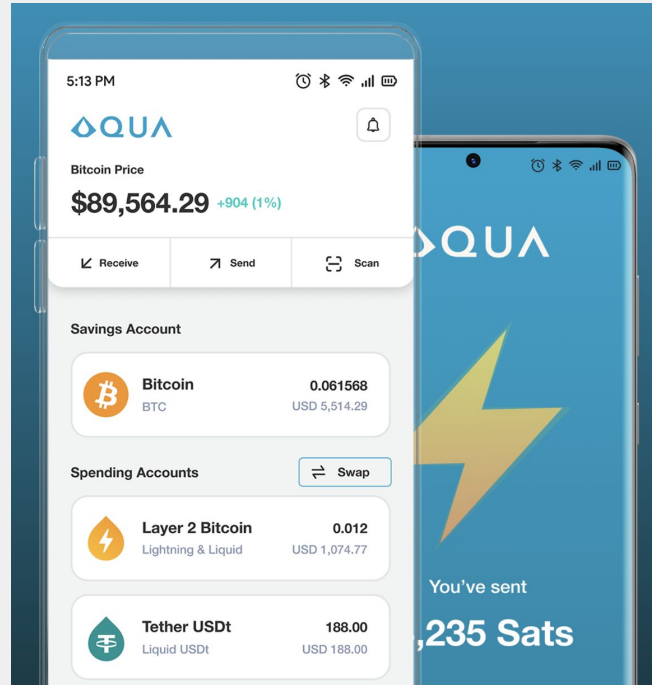
Coinos is a web-based bitcoin and nostr client. You can use it as a front end to your personal bitcoin and lightning nodes or host a public instance that allows anyone to register with a username and password. Try ours at <https://coinos.io>

This repository contains the code for the API server. The frontend code is at <https://github.com/coinos/coinos-ui>



<https://coinos.io>

Self-Custody Bitcoin, L-BTC, USDT, LN payments: Aqua



Android



iPhone

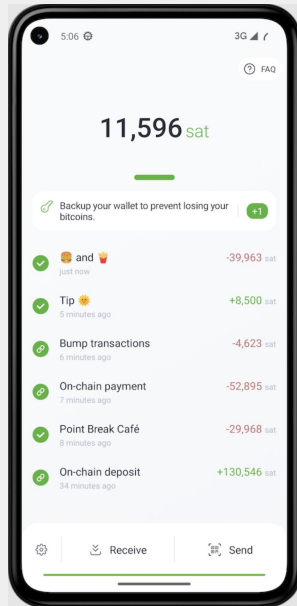


Self-Custody Lightning: Phoenix Wallet



<https://www.youtube.com/watch?v=chSktrFRN6E>

Self-Custody Lightning: Phoenix Wallet



Android



iPhone

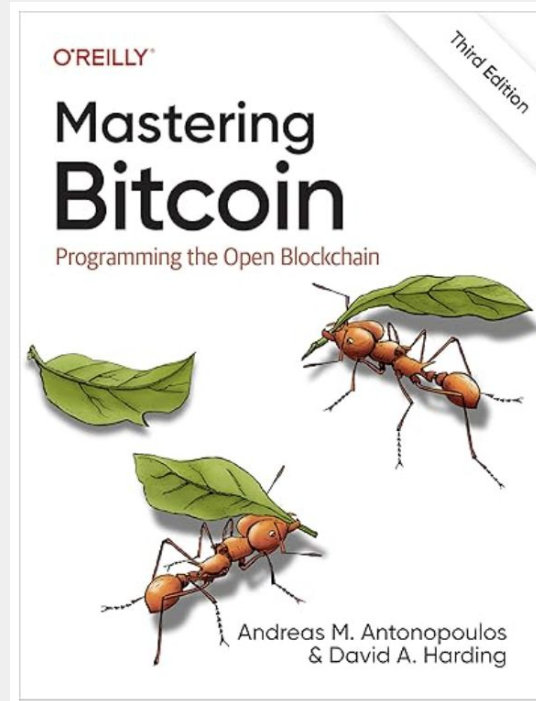




Bitcoin Dev Resources

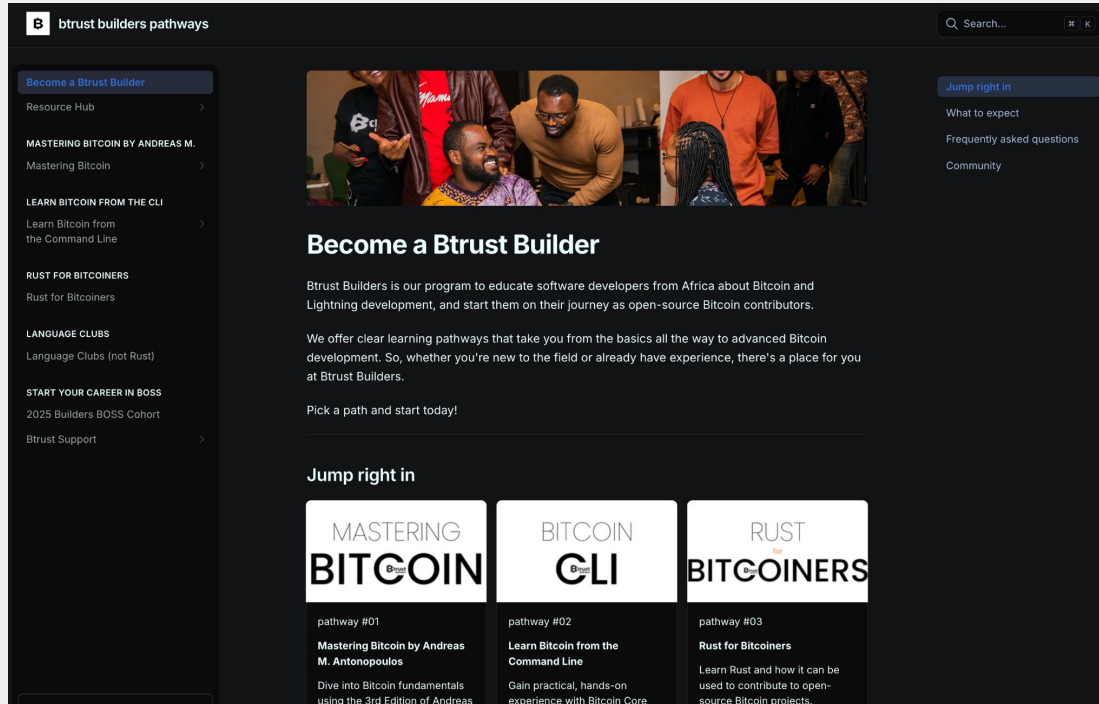


Mastering Bitcoin



<https://github.com/bitcoinbook/bitcoinbook/blob/develop/BOOK.md>

BTrust Builders



The screenshot shows the BTrust Builders Pathways website. The header includes a search bar and navigation links. The main content area features a large image of a group of people, followed by the heading "Become a Btrust Builder". Below this, there is a paragraph describing the program and a call to action to "Pick a path and start today!". The "Jump right in" section highlights three pathways: "Mastering Bitcoin", "Learn Bitcoin from the Command Line", and "Rust for Bitcoiners".

B btrust builders pathways

Search...

Become a Btrust Builder

Resource Hub

MASTERING BITCOIN BY ANDREAS M.
Mastering Bitcoin

LEARN BITCOIN FROM THE CLI
Learn Bitcoin from the Command Line

RUST FOR BITCOINERS
Rust for Bitcoiners

LANGUAGE CLUBS
Language Clubs (not Rust)

START YOUR CAREER IN BOSS
2025 Builders BOSS Cohort
Btrust Support

Become a Btrust Builder

Btrust Builders is our program to educate software developers from Africa about Bitcoin and Lightning development, and start them on their Journey as open-source Bitcoin contributors.

We offer clear learning pathways that take you from the basics all the way to advanced Bitcoin development. So, whether you're new to the field or already have experience, there's a place for you at Btrust Builders.

Pick a path and start today!

Jump right in

MASTERING BITCOIN
pathway #01
Mastering Bitcoin by Andreas M. Antonopoulos
Dive into Bitcoin fundamentals using the 3rd Edition of Andreas

BITCOIN CLI
pathway #02
Learn Bitcoin from the Command Line
Gain practical, hands-on experience with Bitcoin Core

RUST FOR BITCOINERS
pathway #03
Rust for Bitcoiners
Learn Rust and how it can be used to contribute to open-source Bitcoin projects.

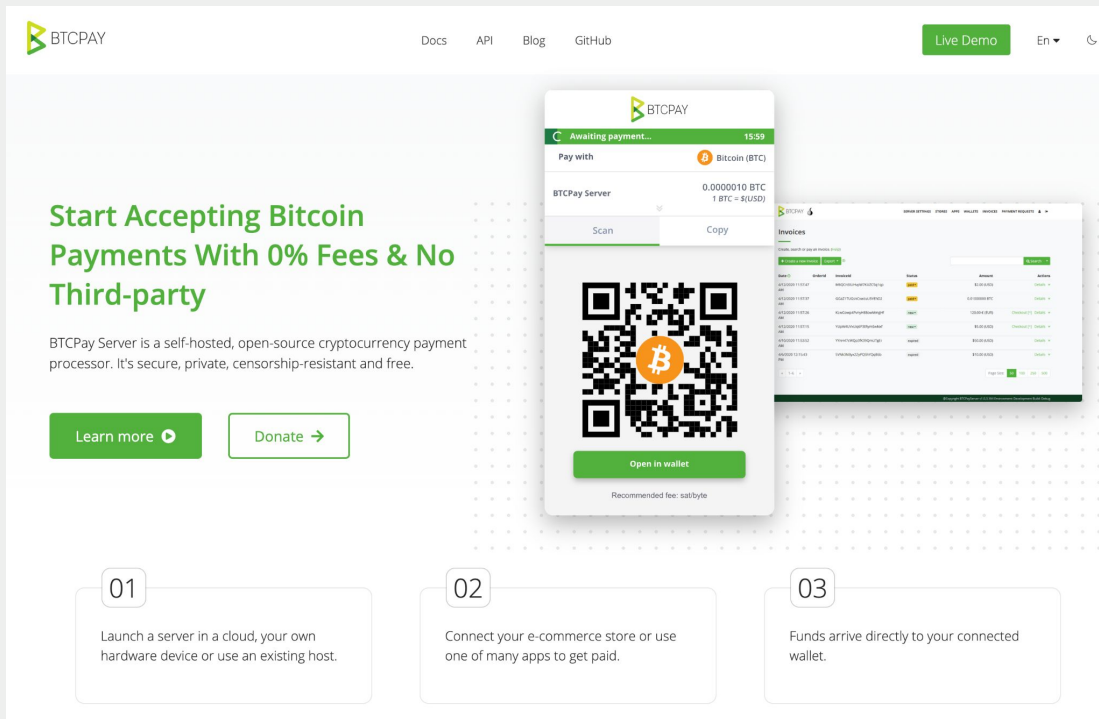
<https://pathways.btrust.tech/>

Run a Bitcoin Node



https://youtu.be/PXg_xUIYN84?si=RZwhf6mJGg_Xqm_h&t=277

BTCPay Server



The screenshot shows the BTCPAY website interface. At the top, there is a navigation bar with links for Docs, API, Blog, and GitHub, along with a Live Demo button and a user profile icon. The main content area features a large green heading: "Start Accepting Bitcoin Payments With 0% Fees & No Third-party". Below this, a paragraph describes BTCPay Server as a self-hosted, open-source cryptocurrency payment processor. Two buttons, "Learn more" and "Donate", are provided. A central graphic displays a mobile payment interface with a QR code and a payment amount of 0.0000010 BTC. To the right, a portion of the "Invoices" table is visible, showing columns for Date, Amount, Status, and Actions.

Start Accepting Bitcoin Payments With 0% Fees & No Third-party

BTCPay Server is a self-hosted, open-source cryptocurrency payment processor. It's secure, private, censorship-resistant and free.

[Learn more](#) [Donate](#)

01 Launch a server in a cloud, your own hardware device or use an existing host.

02 Connect your e-commerce store or use one of many apps to get paid.

03 Funds arrive directly to your connected wallet.

<https://btcpayserver.org/>

BTCPay Server

For getting started with BTCPay Server I highly recommend the workshop by ndeet:

<https://x.com/BtcpayServer/status/1770500825044906171>

ndeet shows all the details on how to do this:

<https://www.youtube.com/watch?v=fespfZXGOtw>

Besides these videos, I highly recommend Developer part of documentation on how to get started:

<https://docs.btcpayserver.org/Development/>

(there is video of Nicolas presenting architecture of BTCPay)

And then additionally:

<https://docs.btcpayserver.org/Development/ecommerce-integration-guide/>

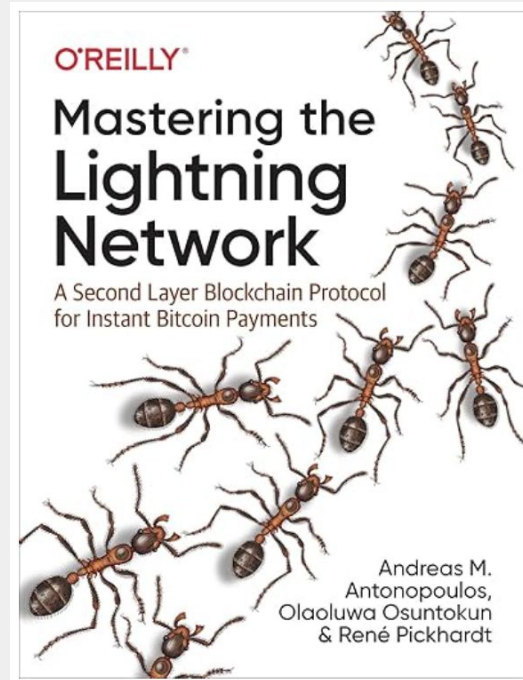
<https://docs.btcpayserver.org/Development/GreenFieldExample/>



Lightning Network Dev Resources




Lightning Development



<https://github.com/lnbook/lnbook>

Lightning Development

 **Builder's Guide**

Welcome to the Builder's Guide to the LND Galaxy!

THE LIGHTNING NETWORK

- Overview
- Payment Channels >
- The Gossip Network >
- Pathfinding >
- Lightning Network Invoices >
- Making Payments >
- Liquidity >
- L402: Lightning HTTP 402 Protocol >
- Taproot Assets >

LIGHTNING NETWORK TOOLS

- LND >
- Lightning Terminal >
- Loop >

Welcome to the Builder's Guide to the LND Galaxy!

This repository is designed as a home for those looking to learn about the Lightning Network, use and build on LND, Lightning Terminal, Loop, Pool as well as those developing their own LAPPS.

The Lightning Network >

Start here if the terms "payment channel" and "hash time-locked contract" are foreign to you.

LND >

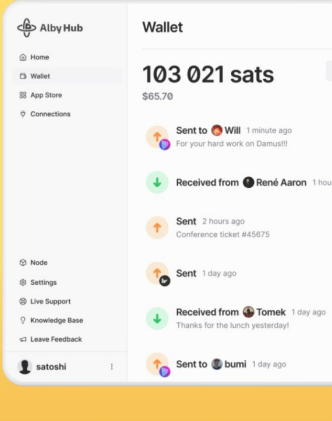
Look here if you're getting started with LND, want to configure it optimally or learn how to integrate LND into your production environment.

Lightning Terminal >

Lightning Terminal is a browser-based, self-hosted dashboard for Lightning Labs products. Read this guide to learn how to set up Lightning Terminal and get the most out of it.

<https://docs.lightning.engineering/>

Lightning Development




Alby Hub

Wallet

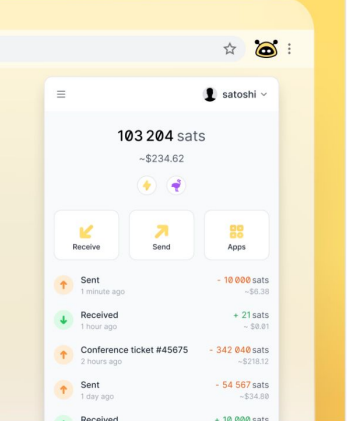
103 021 sats
\$65.70

- Sent to Will 1 minute ago
- Received from René Aaron 1 hour
- Sent 2 hours ago
- Sent 1 day ago
- Received from Tomek 1 day ago
- Sent to bumi 1 day ago



Alby Hub

Powerful, self-custodial lightning wallet that connects to apps




satoshi

103 204 sats
~\$234.62

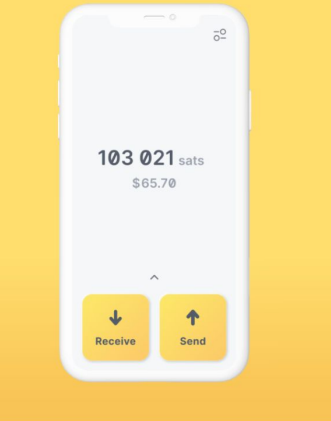
Receive Send Apps

- Sent 1 minute ago -10 000 sats
- Received 1 hour ago +21 sats
- Conference ticket #45675 2 hours ago -342 040 sats
- Sent 1 day ago -54 567 sats
- Received +10 000 sats




Alby Extension

Browser extension to use Alby Hub and other wallets on the web



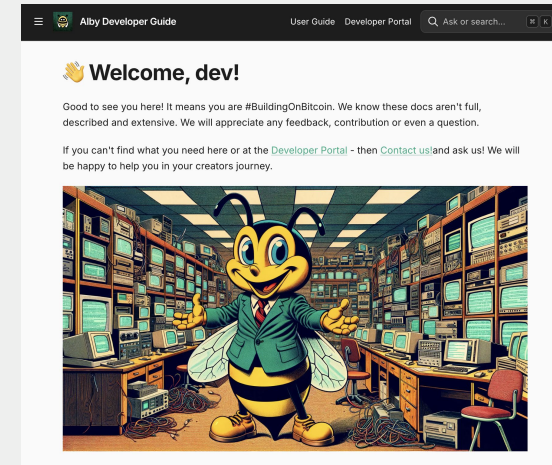
103 021 sats
\$65.70

Receive Send



Alby Go

The easiest mobile wallet to use Alby Hub on the go




Alby Developer Guide

User Guide Developer Portal

Welcome, dev!

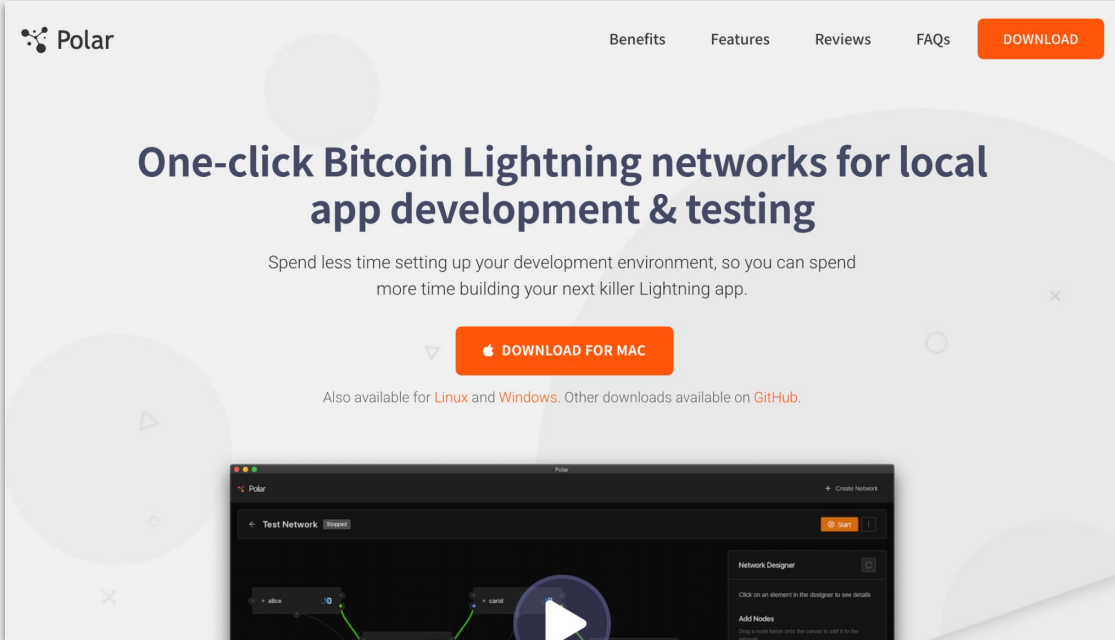
Good to see you here! It means you are #BuildingOnBitcoin. We know these docs aren't full, described and extensive. We will appreciate any feedback, contribution or even a question.

If you can't find what you need here or at the [Developer Portal](#) - then [Contact us!](#) and ask us! We will be happy to help you in your creators journey.



<https://getalby.com>

Lightning Dev Simulator

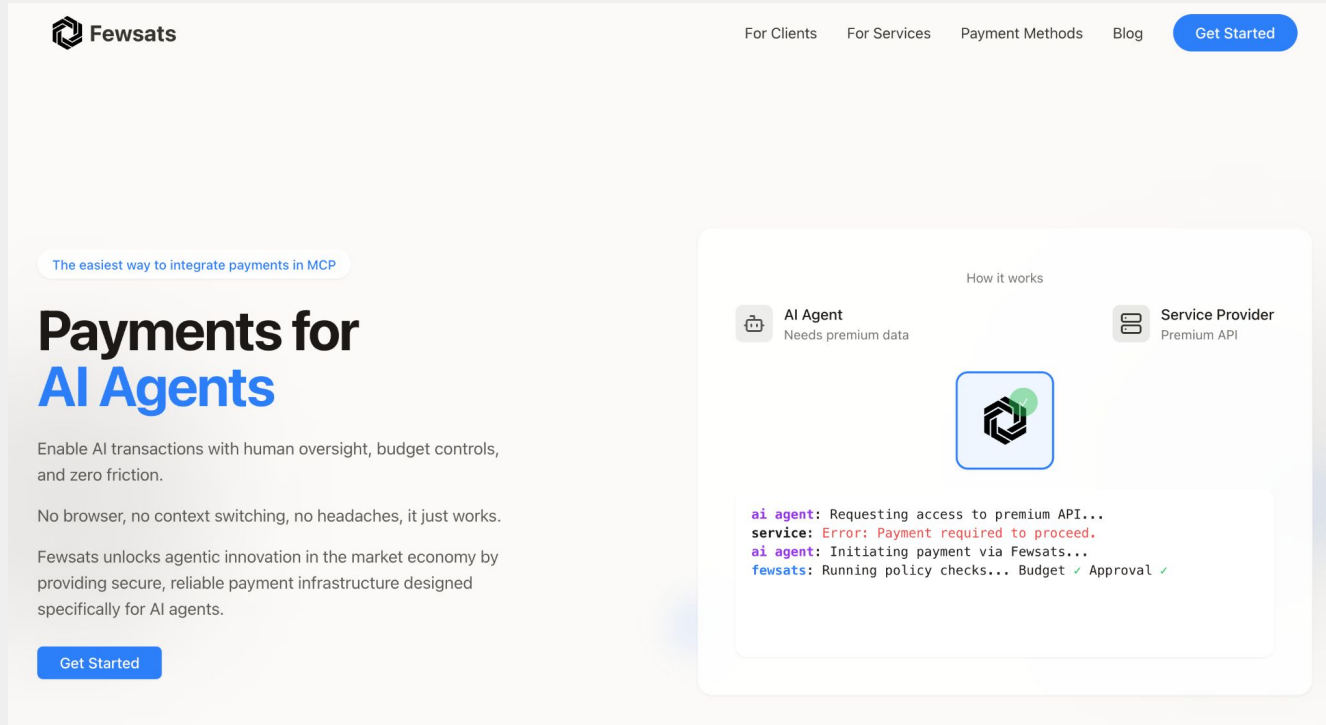


The screenshot shows the website for Polar, a Lightning Dev Simulator. The navigation bar includes links for Benefits, Features, Reviews, and FAQs, along with a prominent orange DOWNLOAD button. The main heading reads "One-click Bitcoin Lightning networks for local app development & testing". Below this, a sub-headline states: "Spend less time setting up your development environment, so you can spend more time building your next killer Lightning app." A large orange button with the Apple logo and the text "DOWNLOAD FOR MAC" is centered. Below the button, it says "Also available for Linux and Windows. Other downloads available on GitHub." At the bottom, there is a dark-themed screenshot of the application interface, showing a "Test Network" window with a "Start" button and a "Network Designer" panel on the right.

To simulate scenarios and run a node.

<https://lightningpolar.com/>

Bitcoin and AI



The screenshot shows the Fewsats website. At the top left is the Fewsats logo. The navigation menu includes "For Clients", "For Services", "Payment Methods", "Blog", and a blue "Get Started" button. Below the navigation is a sub-header "The easiest way to integrate payments in MCP". The main heading is "Payments for AI Agents". The text below explains that Fewsats enables AI transactions with human oversight, budget controls, and zero friction. It states "No browser, no context switching, no headaches, it just works." and that Fewsats unlocks agentic innovation by providing secure, reliable payment infrastructure. A second "Get Started" button is at the bottom left. On the right, a "How it works" diagram shows an "AI Agent" (Needs premium data) and a "Service Provider" (Premium API) connected to a central Fewsats icon. Below the diagram is a terminal log showing the interaction: "ai agent: Requesting access to premium API...", "service: Error: Payment required to proceed.", "ai agent: Initiating payment via Fewsats...", and "fewsats: Running policy checks... Budget ✓ Approval ✓".

<https://fewsats.com>

Lightning Dev Tutorials

Lightning Development with Swift: Make Your First Lightning App with LDK Node Swift

<https://www.youtube.com/watch?v=rcU3LU6iZCs>

Building Lightning Apps with Lightning Node Connect

<https://www.youtube.com/watch?v=vZWbydel-bU>

Other ideas is create a plug-in in any language on Core-Lightning

<https://cdecker-lightning.readthedocs.io/PLUGINS.html>

<https://docs.corelightning.org/docs/plugin-development>

Write a Core Lightning plugin in Go | LNROOM #18

<https://www.youtube.com/watch?v=RaPdsi5houA>

Write a Core Lightning plugin in JavaScript in Go | LNROOM #17

<https://www.youtube.com/watch?v=XtxqQAD6leg>

BitDevs Zambia...??

BitDevsNBO

[Events](#) [Luma](#) [Discord](#) [X](#)

=====
BitDevsNBO is a meetup devoted to the research and development of Bitcoin.

Upcoming and Recent Events

- 22 Feb 2025 » [Socratic Seminar #15](#)
- 25 Jan 2025 » [Socratic Seminar #14](#)
- 30 Nov 2024 » [Socratic Seminar #13](#)
- 26 Oct 2024 » [Socratic Seminar #12](#)
- 28 Sep 2024 » [Socratic Seminar #11](#)
- 31 Aug 2024 » [Socratic Seminar #10](#)
- 27 Jul 2024 » [Socratic Seminar #9](#)

[See all events](#)

CRACK THE ORANGE

CRACK THE ORANGE

(L)earn Bitcoin

How Money Is Created

6% COMPLETE

How Money Is Created

- How Money Is Created Through Debt
- Central Banks Lenders of Last Resort
- Money Supply Inflation
- Ponzi Scheme
- Bitcoin's Limited Supply
- The Petrodollar

Quiz 1

The History of Bitcoin

Quiz 2

The Bitcoin Blockchain


Mining

Quiz 3

Arguments Against Bitcoin

Arguments for Bitcoin

How Money Is Created



00:16

Transcript

Hello. In this lesson, we are going to look at the question of how money is actually being created in today's world, and I want to start with a quote from Satoshi Nakamoto, who described that very well: "The Central Bank must be trusted not to debase the currency, but the history of fiat currencies is full of breaches of that trust."

Learning about Bitcoin was an eye-opener for me. I read that quote back then and I didn't understand what was meant with it. There are two distinct periods of my life, one before Bitcoin and one after Bitcoin. I see things completely differently today. In my goal, to understand Bitcoin, I

CRACK THE
ORANGE

Apply for Scholarship

**Send E-Mail to
support@cracktheorange.com**



Free Newsletter

<https://anita.link/weekly>

