ZCON 4

BARCELONA

PRESENTED BY
THE ZCASH FOUNDATION

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Nighthawk's Roadmap for Zcash

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Who are we, what we do

Nighthawk projects built by **privacy-focussed, Zcash users**
Wallet started out as a hackathon project organized by ECC in 2020, and funded via Zcash Foundation in 2020, Dev Fund in 2021 and 2023
Goal: **Increase shielded ZEC usage** via **User education**, **Easy-to-use apps** and **Direct User Feedback**

Contributors:
12 developers from 7 countries
13 translators, 8 languages

Grant application, restructure team with partial funding, setup new infra

Block Explorer & Infra support, Soft launch updated wallets with Unified Addresses

Funding new initiatives and collaborations with partners

Q1 2023 | Q2 2023 | Q3 2023 | Q4 2023 | Q1 2024

Deploy lightwalletd infra and security audit, ZcashBlockExplorer.com Testnet

Third-party SDK integrations, maintenance and security audits

Wallet

Product Development Approach

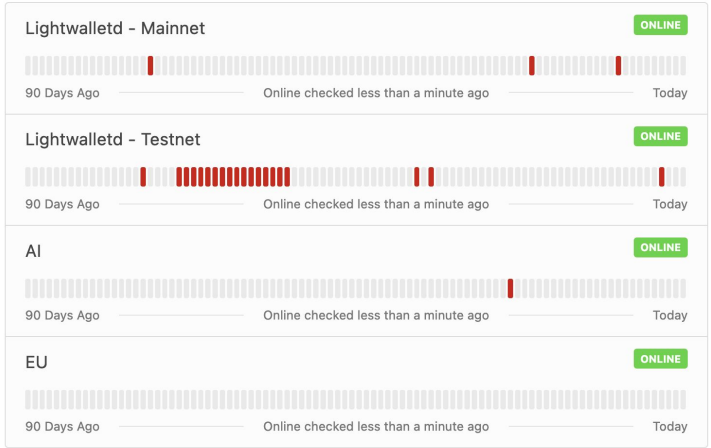
- ➔ Leading development of native iOS & Android wallet projects
- ➔ Elixir/Phoenix: ZcashBlockExplorer.com : mainnet & testnet
- ➔ Thorchain BiFrost, Golang implementation, Thorchain interface libs, ancillary libraries development & Xchain.js wallet for Zcash
- ➔ Co-hosting Light Client Working Group to formalize standards & collaboration in the Zcash wallet ecosystem

Platforms - Kotlin, Swift, TypeScript, JavaScript, Elixir, Phoenix, Python, Kubernetes, Docker

lightwalletd.com

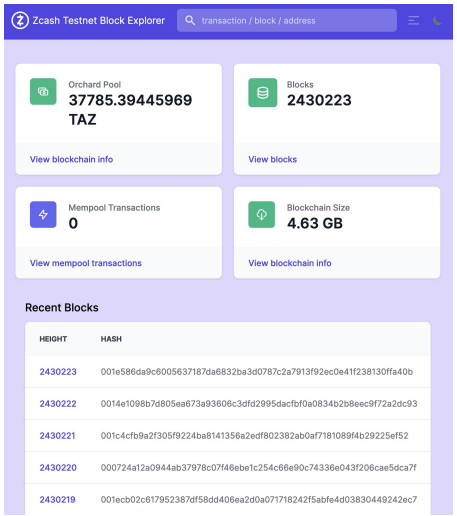
- ➔ Public Goods for the Zcash ecosystem
- ➔ Started with one North America server
- ➔ Now present across 4 continents
- ➔ Kubernetes based deployment
- ➔ Critical service maintenance and high service availability goals of 99%+
- ➔ Status Page status.lightwalletd.com
- ➔ Quarterly Service Transparency Reports

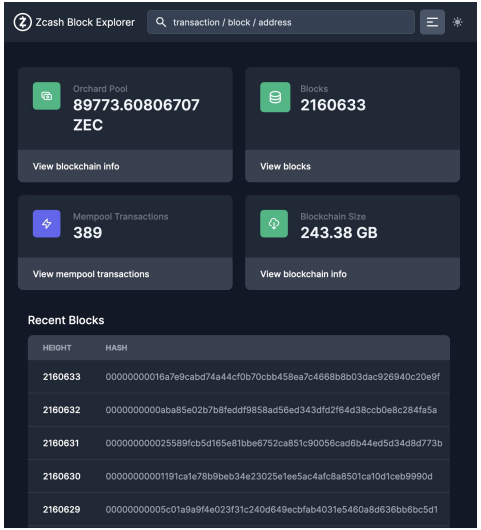
Location	Host	Port
North America	mainnet.lightwalletd.com	9067
North America	testnet.lightwalletd.com	9067
North America	na.lightwalletd.com	443
South America	sa.lightwalletd.com	443
Europe & Africa	eu.lightwalletd.com	443
Asia & Oceania	ai.lightwalletd.com	443



ZcashBlockExplorer.com

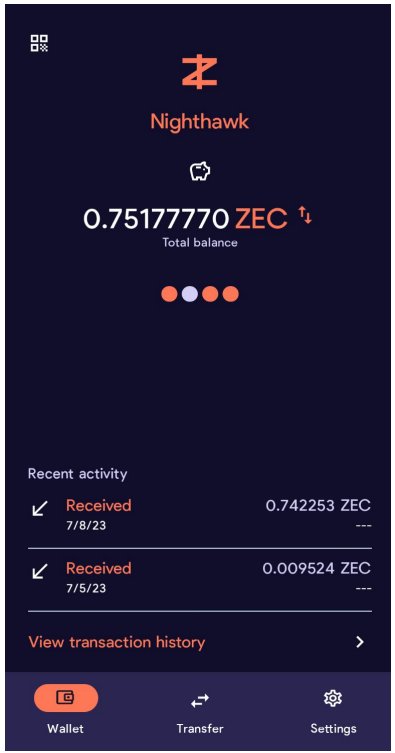
- ➔ Community Driven Requirements
- ➔ First explorer to support NU5
- ➔ No logging or trackers
- ➔ Open APIs
- ➔ Testnet support!
- ➔ Build integrations with Zebra
- ➔ Explore ZSA & IBC support

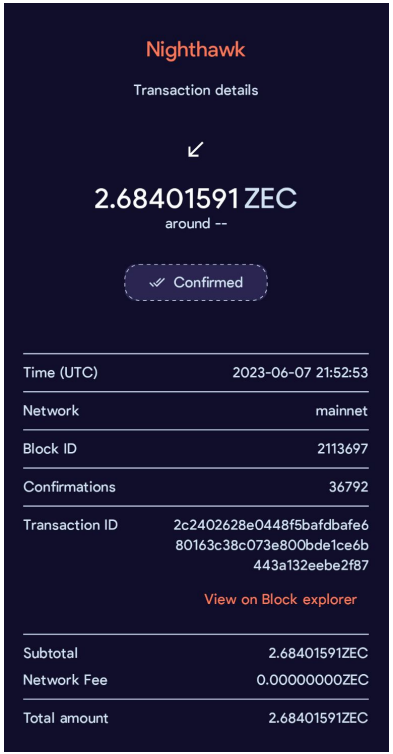




Nighthawk Wallet

- ➔ Shielded-by-Default
- ➔ All Transparent funds need to be Shielded before spending
- ➔ No personal info collected, none sold
- ➔ Warn users of potential data leaks deshielding and third-parties opt-in
- ➔ Nighthawk: Your go-to wallet for all your shielded transactions





Benefits of shipping a mobile-first experience

- ➔ Exceptional mobile app experience with a native app
- ➔ Design language familiar to users
- ➔ Integration with device APIs - notifications, deep links, etc.
- ➔ Performance - multi-threading, strict-type & OOP
- ➔ Security - identify errors and loopholes sooner
- ➔ Long term - supported by Google and Apple core mobile platforms

Building the future

- ➔ Mobile SDK development: Unlock new use cases and contribute upstream
- ➔ Contribute to ZIP review and protocol improvement
- ➔ New integrations: Network Level Privacy with Tor/Arti and Nym Protocol, ZSA support, FROST Multi-sig use-case designs and development, ZSAs
- ➔ Ecosystem Partnerships to introduce new use cases: Flexa SPEDN, Thorswap, Handshake
- ➔ Extend user applications: Apple Watch/Google Wear and iPad PoS apps
- ➔ Most demanded Private Messaging app!

Thank you!

nighthawkapps.com

Open discussion to help chart user driven features

Brainstorming

With Joel Valenzuela

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