Organisation + Roles



Mark Greenslade

December '23

Internal teams

Externalrelationships

Internal

Internal

Core Protocol

R&D

DeFi

Integrations

SRE/DevOps

Advocacy

Core Protocol

Core Protocol

Ed Hastings

- Major centre of gravity change
- Attended ACTUS DC
- Synced with R&D team

Domino effect

- Engineer migration
- A List = 5 ... B List = 4
- PREPARATION not solicitation!

Roadmap

- If 1.5 then clear 1.6, 1.7, 2.0, 2.1, 2.2, 2.3
- 2.3 = design space optimised
- Crypto-economics needs a lot of work
- DeFi supports needs focus + dog-fooding
- ZK proof verification optimisation is essential

R&D

Team composition

- Head + Assistant
- Applied Cryptographer -> awaiting hiring
- 5 engineers
- 1 intern

• Focus H1 2024

- L1 light client
- L1 node FFI extensions
- L2 Rollup ... Kairos
- ZK-WASM integration discovery
- ACTUS ZK Gateway

DeFi

DeFi Integration Support

- Build up L1 primitives from ground up
- Algo Stable | LSD | AMM | Perps ...etc
- Series of mini projects

Advanced end-to-end prototypes

- L1 stress test
- L2 integration feasibility
- Rich content
 - Advocacy group
 - Developer portal

Integrations

Eco-System Growth Support

- E.G. Nes-Tech
- Inevitable technical support requirement
- Proposal assessments

Integrations

Can be random time sink

- Smart contract learning friction
- SDK friction -> has improved
- Caused issues at Labs

4 person team

- 1 lead engineer
- 3 support engineers

Advocacy

Advocacy

Advocates = engineers

- Need deep platform knowledge
- Not just smart contracts
- Not just documentation

Showcase DApps

- 4/5 examples
- Defi | Supply Chain | Notarisation ... etc
- Allows advocates to do engineering
- Identify pain points & best practise
- Rich content for developer portal

Events

Themed Hackathons -> Employment

SRE/DevOps

SRE/DevOps

Cross cutting

- All engineering groups require support
- DEV, TEST, PROD

Core Protocol Testing

- Spinning up 200 node networks is expensive
- L2 infra -> increase complexity and cost

R&D Testing

- Spinning up ZK prover clusters is expensive
- Specialist DevOps skillset

Other

- Small footprint ATM -> is going to change
- Initial team size: 3 person

External

Partners

Partners

External solution partners

- Software houses
- Professional teams
- Independent devs

Categorisation Framework

- Tier 1, 2, 3
- Sub-Categories:
 - Capabilities
 - Track record ... e.g. by TVL
 - Cross organisational fit

Tiering

Tier 1

core protocol | r&d | auditor

Tier 2

indexer | sdk | wallet

Tier 3

dapp explorer other

Tier 1

Core Protocol

- Predominantly software houses
- E.G. Casper Labs
- E.G. Teonite

R&D

- Ad-Hoc entities
- E.G. Lita Foundation
- E.G. Vlinder

Auditors

- E.G. Halbourn
- E.G. Independents

Tier 2

Software Development Kits

- C#, C++, Javascript, Go, Python, Rust
- Companies, small teams, individuals

Validators

Types: professional | enthusiast

Wallets

- Types: hardware | software | mpc
- Companies, small teams

Chain Auditing & Indexation

- E.G. MAKE -> typescript + postgresql -> api
- E.G. StormEye -> k8s + kafka + java -> api

Explorers

• E.G. cspr.live | scansper

Tier 3

Media Partners

- Internal | Shark Media
- Channels -> TG | X | LinkedIn ... etc

Developer Portal

- Internal + Casper Labs
- Multi-media documentation types:
 - Formal
 - Narrative

Internal teams

Externalrelationships

Organisation + Roles



Mark Greenslade

December '23