OPEN SOURCE COMMUNITY MANAGEMENT : LINUX VS ONLYDUST

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INTRODUCTION

- Open source is about fostering collaboration.

- The community has existed for many years.

- 1960s origins.

- Center of the creation of very secure applications

  - anyone can audit the code, suggest improvements and warn the community in case of significant security failure.

WEB2

Web 2 refers to the Internet, as we know it today. More dynamic than the previous, with users that can interact with the internet.

Open source relied heavily on centralised data storage and governance.

Projects are hosted on platforms, and control typically rests with an organisation or a core team.

Pros : structured governance, mature ecosystems, standards, scalability

Cons : users' data privacy, limited rewards, reliance on centralized platforms

WEB3

Transition into a more decentralised, anonymous internet - IP addresses are replaced by wallet addresses.

Data distribution systems (IPFS), tokenised decision-making – allows contributors to have direct say in governance.

Enhancing Web2 by bringing decentralisation and user ownership to the forefront.

Pros : global inclusivity, censorship resistance, community-driven governance, direct rewards, transparency, more control over platforms used.

Cons : scalability, limited user adoption, token dependence

KEY DIFFERENCES

WEB 2

Centralised servers

Organisational control

Relies on trusted intermediaries

WEB 3

Decentralised networks

User-centric governance

Cryptographic protocols

LINUX FOUNDATION

- Linux Foundation was created in 2000 as a non-profit organization with the idea of providing a hub for developers to contribute on different projects.

- At the heart of this project is the goal of creating an open-source community. It promotes open-source projects such as the well-known Linux OS, but also other various projects like Cloud Foundry.

- They have an open-source guide that gives different criteria to measure if an open-source program is successful or not.

- Management ideology: : Linux Foundation puts an emphasis on diversity, equity and inclusion at the center of their management ideology.

LINUX FOUNDATION METRICS

Quantitative

- Number of contributors
- Lines of codes
- Number of pull requests submitted and accepted
- Number of commits
- Number of projects
- Recruitment of new developers

Qualitative

- Level of participation of developers through their productivity, and their influence
- Reputation of the organisation
- Management of open source license compliance
- Investing in new projects and ideas to attract more users and contributors
- Promoting open source culture

PROS AND CONS OF WEB2 BASED OPEN-SOURCE PROJECTS

Pros:

- It is cost effective, flexible, customisable

- Community collaboration allows for transparency and security

Cons:

- There can be a lack of dedicated support, hidden costs, compatibility issues

- Licensing and intellectual property

Example : XZ backdoor created by a contributor called 'Jia Tan', due to the lack of support around the project that enabled him to get security clearance and to change the code without the need of peer review.

ONLYDUST

Start up, founded in 2022 by Grégoire Gambatto and Paco Villetard, and based in Paris.

Main Goal: provide an open-source community focused on resolving funding inefficiencies in blockchain economies.

Management Ideology : lean more towards Web3 - blockchain economics, tokens, transparency, decentralisation

SUCCESS SO FAR

They grant $500K monthly on their platform.

Over 4,000 developers have been onboarded.

They've partnered with big names in the blockchain space, including Ethereum.

ONLYDUST SUCCESS METRICS

- the project's value to the ecosystem

- its level of innovation

- its attractiveness

- its commitment to the ecosystem.

HOW THEY DIFFERENCIATE THEMSELVES ?

- Decentralised Funding: The platform connects projects with funding directly from the StarkNet ecosystem, reducing inefficiencies.

- Reward Mechanisms: Participants are financially incentivised with tokens like STRK.

PROS AND CONS OF WEB3 BASED OPEN-SOURCE PROJECTS

Pros :

- **Control of information used**

- **Fewer intermediaries, "build on giants' shoulders"**

- **Historic of all changes**

Cons:

- **Still at the early stages, not used by a majority**

- **Higher Computation load**

Example: Well-known example of open-source projects on web3 are the different crypto-currencies that have been created such as Bitcoin and Ethereum. In terms of risk, we can see the DAO attack that happened on the Ethereum blockchain.

CONCLUSION

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