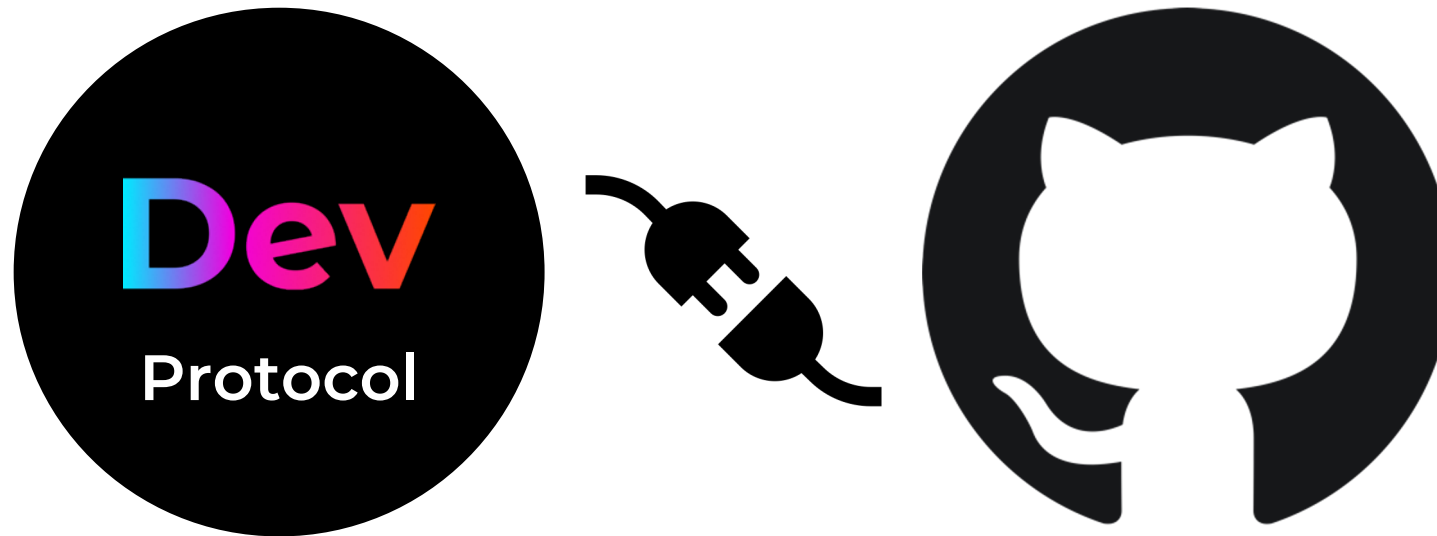# Dev

devprtcl.com

Yield Farming for Social Good

Dev Protocol tokenizes Open source software to create more sustainable funding and incentive models.

A New Economic Framework for OSS

Grant
farming

Dev Protocol tokenizes open assets to receive funding from supporters that are "grant farming" through staking DEV token. The goal is to incentivize OSS support and sustain the ecosystem.

Creator
token

The owner of OSS project mints the ERC-20 based "Creator token" when they tokenize their project's Github repository. The holder can receive long-term funding as grant farming rewards. Creator tokens can provide underlying economic incentives for Open assets and become governance tools.

Khaos
Oracle

Dev Protocol developed the "Khaos" oracle to confidentially authenticate the Github repository's private keys. It can be integrated with Open asset platforms such as Youtube, Spotify and Steam.

A New Economic Model for Open Assets

Dev Protocol provides yield farming for social good, which leads to a sustainable economy for creators.

Dev Protocol tokenizes open assets to unlock their untapped value while keeping them open.
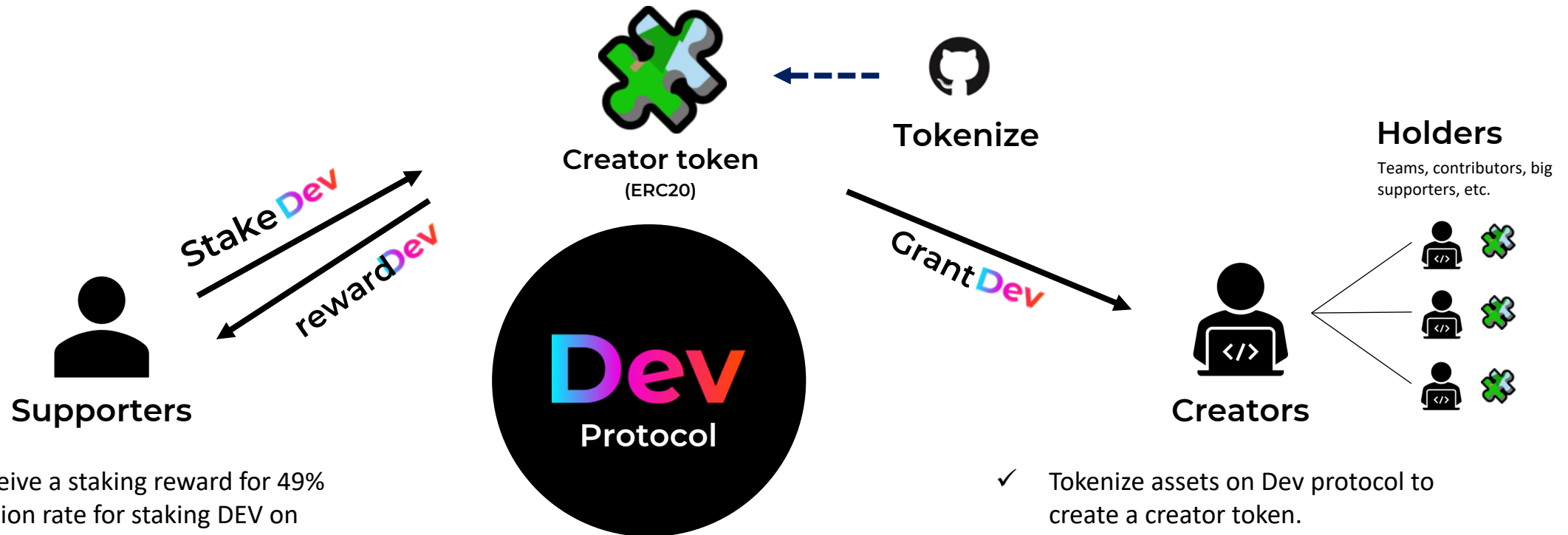
Creators can tokenize their internet assets, like GitHub projects, to accelerate funding through "grant farming". Supporters stake the DEV token on which projects they believe are valuable to the ecosystem. The protocol then mints new DEV tokens as rewards to the supporter and creator. This framework aligns the incentives of both parties by leveraging monetary incentives.

Developers can build their own Dapps on Dev Protocol that support open assets to earn rewards, markets for diverse assets to be authenticated, and expand the sustainable economy for creators.

Open
assets

Paid
assets
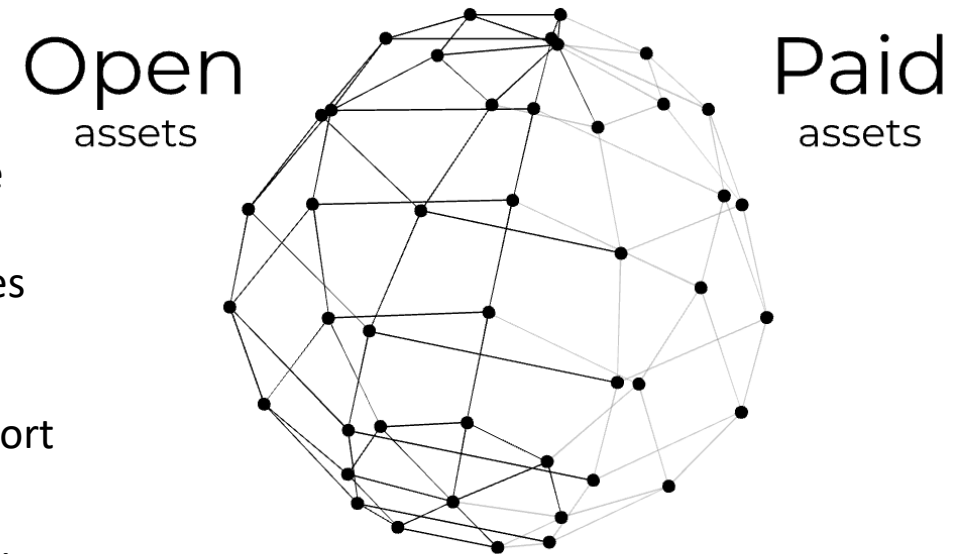
What is Grant farming?

Supporters "Grant farm" by providing liquidity to Dev Protocol's creators for yield.

Creator token
(ERC20)

Tokenize

Holders
Teams, contributors, big supporters, etc.

Stake Dev

reward Dev

Grant Dev

Supporters

Dev Protocol

Creators

✓ You will receive a staking reward for 49% of the inflation rate for staking DEV on creator.
✓ Incentives: the OSS project will create better products, and you will earn interest.

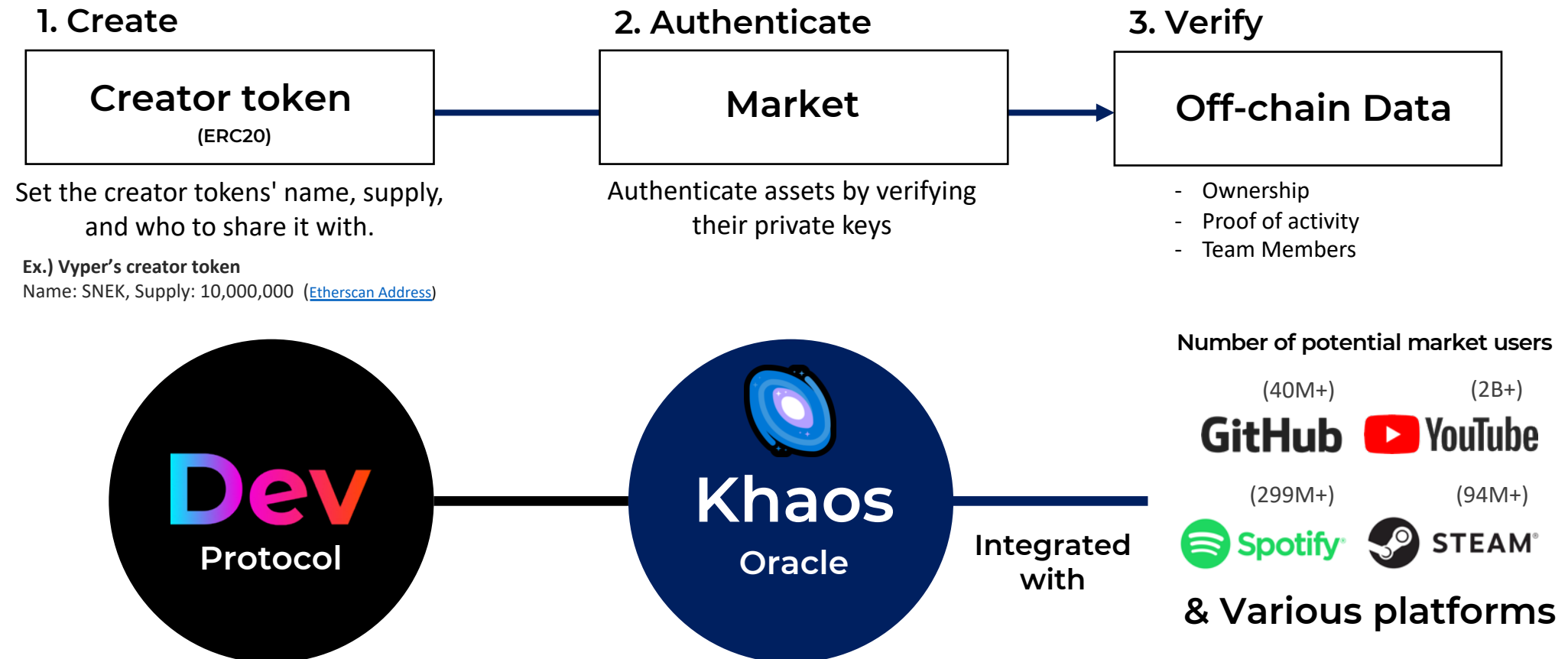**Incentives for both parties**

*The incentives are determined by governance.

✓ Tokenize assets on Dev protocol to create a creator token.
✓ The token holders will receive a creator reward for 51% of the inflation rate, which can be used to fund the project.

Tokenization Process using Oracle

Dev Protocol's Khaos oracle confidentially authenticates off-chain data to fund on-chain.

1. Create

Creator token
(ERC20)

Set the creator tokens' name, supply, and who to share it with.

Ex.) Vyper's creator token
Name: SNEK, Supply: 10,000,000 (Etherscan Address)

2. Authenticate

Market

Authenticate assets by verifying their private keys

3. Verify

Off-chain Data

- Ownership
- Proof of activity
- Team Members

Dev
Protocol

Khaos
Oracle

Integrated with

Number of potential market users

(40M+)   (2B+)

GitHub   ▶ YouTube

(299M+)   (94M+)

Spotify   STEAM

& Various platforms

Who is using Dev Protocol?

Notable OSS developers are on board since Dev Protocol focused on solving the sustainability issues of OSS in the MVP phase in 2018.

Vyper team

Vyper, which was originally conceived by Vitalik Buterin, is a Python-like language for writing EVM smart contracts with an emphasis in the language's design on readability and audibility. Vyper's smart contact language is used in Curve Finance and Uniswap V1. Currently, Vyper has over 100 maintainers supporting the project's development.

Sindre Sorhus

Sindre Sorhus is a Full-Time Open-Sourcerer. One of his projects, Chalk is an OSS library that provides an intuitive solution for implementing colors and styles to your command-line input. Chalks has over 50 million weekly downloads on npmjs. He is a strong advocate for OSS and is a maintainer on more than a 1,000 OSS projects.
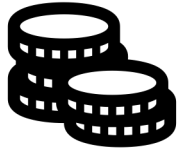
Vue-i18n

Vue i18n is internationalization plugin for Vue.js by Vue.js japan user group. The Vue.js Japan user group is a very active community with over 4,000 members, and one of the organizers, Kazupon, is a member of vue.js core team, creator of intlify & i18n enthusiast.

Utilities

DEV is a utility token that is minted through inflation as rewards for users.

Mine

DEV Token is dynamically minted based on DEV staked and Open assets onboarded. The higher the staking rate, the lower the inflation rate, so the effective supply will decrease at a certain point.

Stake

Users stake their tokens in Open assets and get rewarded per block in minted DEV tokens for their participation. Active participants use their token to place value on creators through staking.

Govern

Users can vote on features, protocol variables, and community treasury to improve the Dev Protocol ecosystem.

Tokenomics

The total reward for a per block is determined as follows

- More lockups, less rewards.
- More assets, more rewards.

As lockups increase, rewards decrease, and inflation rates decrease. As assets increase, rewards increase, and inflation rates increase. The deflationary trend makes it more rapidly by lockup increases. Ideally, an increase in assets should be accompanied by lockups, so an increase in assets should be a factor in increasing the inflation rate. But as lockups increase, the less impact the increase in assets will have. The maximum value is 0.00012 per block and an asset. This value can be changed through governance proposals.

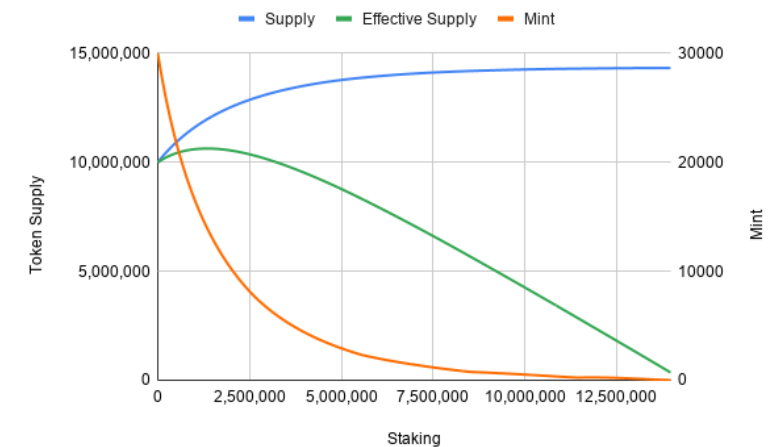**The following formula illustrates the basic concept**

$$Rewards = Max * (1 - StakingRatio)^{(12-(StakingRatio*10))/2+1}$$

The number of reward vs. staking ratio

Staking ratio vs. Rewards
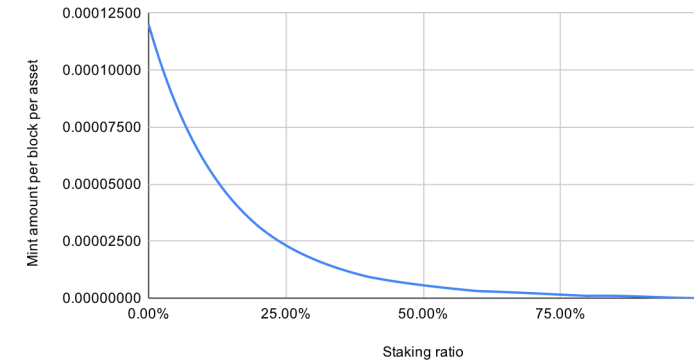
Staking vs. Supply Curve

The Dev Protocol Ecosystem

Tokenize

Tokenize your assets and notify your community. Start earning money when your supporters begin grant farming.

Markets

Develop markets that integrate with platforms and allow new creators to join grant farming. With Oracle Khaos", you can quickly develop markets and authenticate assets securely.

Dapps

We are exploring the potential of Dev Protocol's Dapp layer such as Enterprise investment in OSS, bringing governance to OSS projects, and Dev Protocol as a meta governance tool and ETF for Open assets.
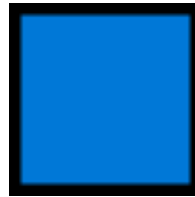
*Contact us if you are a company or organization that supports OSS and would like to become a business partner.
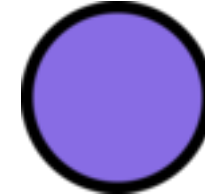
Future Capabilities

Commit Farming

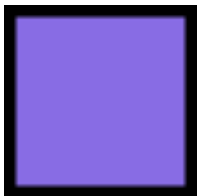Transfer creator tokens when maintainers have commits in master.

OSS ETF

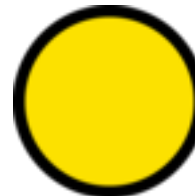Dev as an ETF and meta governance tool for OSS assets.

Governance for Creator Tokens

Deliver decentralized governance to OSS projects.

Incubator

The Dev Protocol Incubator (Growth Hacking)

iTokens

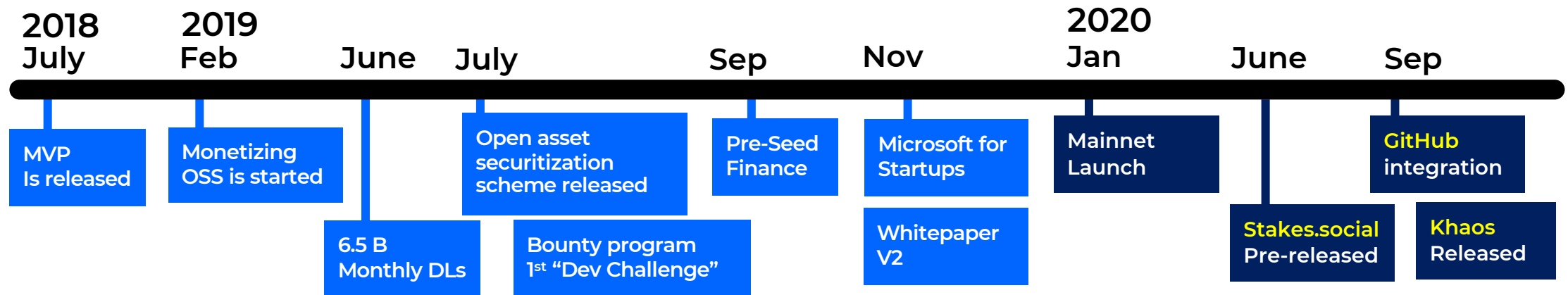Receive interest bearing tokens while grant farming.

Fees

Dev Protocol takes a percentage of supply of each creator token originated.

Our History

Dev Protocol began its MVP in 2018, based in Japan, and after confirming strong market need, was successfully released to the mainnet in January 2020.

1,500+
OSS Project Participants

8.4 billion
Totaling Monthly DL Volumes of ※1

$340k
Of Rewards ※2

※1 Of the npm market only
※2 As of October 2020

2018 July

2019 Feb

June

July

Sep

Nov

2020 Jan

June

Sep

MVP
Is released

Monetizing
OSS is started

6.5 B
Monthly DLs

Open asset
securitization
scheme released

Bounty program
1st "Dev Challenge"

Pre-Seed
Finance

Microsoft for
Startups

Whitepaper
V2

Mainnet
Launch

Stakes.social
Pre-released

GitHub
integration

Khaos
Released

Dev   Yeild farming for social good. https://devprtcl.com

Development Roadmap

2020

2021

Q3 Launch

- Khaos Oracle
- GitHub integration

Q4 Userbility & Business

- Stakes.Social V3
- Creator's page
- Wallet integration

- Liquidity Program
- Dev Challenge
- Community Forum
- Ambassador
- New entity

etc.

Q1 IEO & Business

- Private Sale
- IEO
- Exchanges

- Owned Node
- Token Sets

etc.

Q2 Growth

- L2 Bridge
- Staking Perks
- iTokens
- Khaos V2

etc.

... And Enterprise/L2 is planned

- Mobile Application
- Fiat Ramps
- ETF

etc.

Founders

**Dev Protocol was started by Mayumi, Aggre and Mariko (all family members).
We have been pursuing businesses that combine profit and high social impact.**

Mayumi Hara
CEO

Mayumi is a serial entrepreneur, building businesses and developing brands for 10 years in various industries.

In 2014, she found that traditional artisans dealing with national treasures artifacts/architecture were undervalued, which led to her starting FRAME00.

Aggre
CTO

Aggre is a programmer who is committed to open internet technology, constantly updating his compatibility with the latest tech stacks and solving everyday challenges with technical ideas. He runs several OSS communities and is sponsored by Google.

Mariko Miyamoto
COO

Mariko is a project manager with a wealth of knowledge and experience in the financial industry for almost 20 years, leading implementation of a wide variety of financial systems for the largest securities, megabanks and regional banks in japan.

Mentors & Investors

Dev Protocol is supported by Microsoft for Startups and invested by Japanese leading VCs and angels in the technology industry.

Yo Nakagawa
Director, Monex Ventures, Inc.

Shin Iwata
Partner & CEO at MIRAISE

Junya Hirano
CEO at HashHub

Tamio Nishizawa
Director at Open Innovation Network

Angel investment by Japan's premier developers

Sotaro Karasawa, Former Mercari CTO / Toshiyuki Yasuno, Former Knowledge Merchants Works CTO / Kazuya Kawaguchi, OSS Developer, Core team of Vue.js / Hajime Kurosaka, SIOS Technology, President of Technology Center Div. / Sadaaki Hirai, Former GoodPatch CTO / Masaaki Sugiura, NewsPicks CTO, Kimikazu Kato, Softbank, Author of " The essence of machine learning" / Aya Tokura, OSS Developer, Author of "DevRel"

Communities

All information is open, enjoy following the Dev Protocol communities

https://devprtcl.com

https://discord.gg/VwJp4KM

https://t.me/devprtcl

https://medium.com/devprtcl

https://twitter.com/devprtcl