fern

Decentralisation as a Service

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Why use Fern?

Secure
Systematically add nodes as needed to ensure the level of security in any blockchain

Flexible
Fern also supports the most widely used smart contract-based blockchain software

Innovative
Dual-security method to separate identity vs anonymity, and secured by Fern blockchain

Scalable
Fern blockchain can scale to thousands of nodes as needed for each network

Problem

Decentralised?

Today, most blockchain applications are initially deployed to private networks or networks with a limited number of nodes. While these networks provide ability to control access to data and greater transaction throughput, they do also have their drawbacks, limiting the ability for blockchain applications to be fully trusted and adopted.

Solution

Fern Network

To solve this issue, two components are required: (1) identifiable, yet independently controlled nodes, and (2) anonymity. Until now, these two qualities were not compatible, as there was no easy way to both identify and anonymously connect nodes.

The Fern blockchain provides decentralisation and trust as a service, bringing access to a community of identifiable and anonymous node and oracle providers.

Token Economics

Access Stake

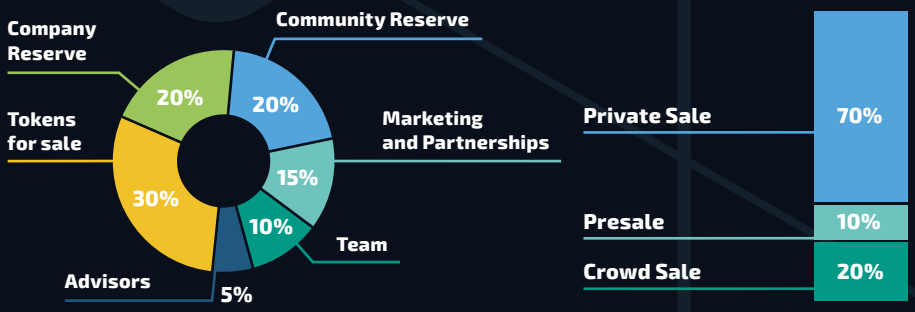
The FERN token acts as collateral which enables access to the Fern Community and powers Fern. FERN guards against parties joining the Fern Community with malicious intent, strengthens it against potential Sybil attacks, and encourages providing a continuous service.

Transactional Stake

As node and oracle providers offer services, their minimum stake requirement is increased. This ensures that demand for the token is associated with volume of demand for application transactions and network activity, and not only with the size of the community.

Token Sale information

Hard cap USD$20M



Roadmap

Q4 2018
Proof of Concept

- Protocol selects independent nodes from identified pool
- Protocol selects oracles from identified pool
- Measurement of node and oracle provider proof of service

Q1 2019
Fern Network & Passport

- Selection algorithm
- Requisite number of trusted node providers connected anonymously with blockchain application networks
- Creation of identity and anonymity passport
- Ring signature key creation and validation & zero knowledge proofs
- Launch of Fern network
- Ability for blockchain applications and users to validate anonymous node ring membership

Q1 2020
Platform Support

- Integration with interledger bridging protocols including Polkadot & Cosmos to facilitate the transfer of messages between blockchain networks
- Fern overlay smart contracts will be made available for a range of blockchain platforms including Plasma, Quorum, Fabric, Corda and many others

Developed by

appliedblockchain

Applied Blockchain, with combined three years' experience developing blockchain applications for some of the world's largest businesses and most promising start-ups. Applied Blockchain's clients include some of the world's largest organisations in a number of industries including energy, aviation, automotive, shipping, supply chain, financial services and telecommunications.

Some of our clients

KLM · Shell · SITA · TOYOTA · vodafone · Lloyd's Register

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