



in a nutshell



by

**STAKING
FACILITIES**

decentralized indexing & query protocol

PROJECT DESCRIPTION

The Graph is a decentralized, permissionless protocol that enables the indexing and querying of blockchain data via open APIs, so-called subgraphs. These subgraphs can be queried by applications via GraphQL and together with Indexers, Curators, and Delegators, they form a decentralized data marketplace for the Web3 ecosystem. The Graph currently supports Ethereum and IPFS but is adding support for further layer-one blockchains such as Solana, Polkadot, Near, and Celo.

FACTS & FIGURES



founded
2018



live since
12/2020



native token
GRT

founding team



Yaniv
Tal



Jannis
Pohlmann



Brandon
Ramirez

key players



THE GRAPH FOUNDATION

Directed by Eva Beylin, the Graph Foundation is mandated to steer and ensure the future of the protocol and its' ecosystem. The foundation issues grants, coordinates the technical governance process and is responsible for education, adoption, and further development of The Graph protocol. It closely works with The Graph council and is legally as well as financially accountable to it.



EDGE & NODE

The initial team responsible for the development and launch of The Graph protocol now operates as 'Edge & Node' (former Graph Protocol Inc.). While they will still contribute to the ecosystem, protocol development, and marketing activities, Edge & Node emphasizes the open-source and decentralized nature of The Graph.



The Graph is a protocol for organizing blockchain data and making it easily accessible.
[...] What Google does for search, The Graph does for blockchains.

- Tegan Kline



TOKENOMICS



ICO
\$12 Million (10|2020)
for 4% of the initial supply



initial supply
10 Billion GRT



capped supply
No capped supply

initial allocation



STAKING INFO



inflation rate
3%
(initial, subject to governance)



un-bonding period
28 days



Rewards

The delegators' rewards are automatically redelegated to the delegators' indexer. Hence rewards are automatically compounded until the delegator chooses to withdraw (a part or all of) his/her funds.



Slashing

Only the funds of indexers (similar to validators in other PoS networks), not the delegators' funds can be slashed.



Subgraphs:

Subgraphs are open APIs that are deployed to a registry hosted on Ethereum. They contain information about specific applications or smart contracts, e.g. transaction volume of a DEX. Subgraphs can be developed and queried by anyone. Through the use of subgraphs, blockchain data can be indexed and hence is directly queryable.

Curators, Indexers, and Delegators

Curators signal to Indexers which subgraphs are worth indexing by depositing GRT into a bonding curve. They earn a portion of query fees for the subgraphs they curate.

Indexers run infrastructure by operating nodes for the network and provide indexing and query processing services for subgraphs that get signaled to them by curators. Indexers earn query fees and indexer rewards.

Delegators can back Indexers by delegating their GRT to indexers. This increases the security of the network. Delegators earn a portion of their Indexers query fees and indexer rewards.



ECOSYSTEM & PROJECT MAP



Pooltogether

Decentralized
'No-Loss-Lottery' Protocol



Aave

Decentralized Lending
Network



Uniswap

Decentralized Exchange for
ERC20 Token



Aragon

Framework for Decentralized
Autonomous Organizations



Synthetix

Protocol for the Issuance of
Synthetic Assets

LINKs



website:
thegraph.com



network ui:
network.thegraph.com



forum:
forum.thegraph.com



stakeholder dashboard:
graphlets.io

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