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About The Graph (GRT)

The Graph ([GRT](#)) is the native token of The Graph, an indexing protocol for indexing and querying networks like Ethereum and IPFS using the ERC-20 standard. In order to ensure the integrity of queried data, participants in The Graph ecosystem use [GRT](#) to allocate resources necessary for the indexing and curation services of the network.

Just as Google indexes the web, The Graph indexes blockchain data from networks like [Ethereum](#) and Filecoin. This data is grouped into open APIs called subgraphs that anyone can build and publish, making data easily accessible.

Four Main Positions Involved in the Network

GRT's tokenomics system is developed through the work of its network participants. There are four main positions for users to participate in The Graph network:

Developer: Create a subgraph or use existing subgraphs in a DApp.

Indexer: Operate a node to index data and serve queries.

Curator: Organize data by signaling on subgraphs.

Delegator: Secure the network by delegating GRT to Indexers.

How The Graph Works

The Graph is a decentralized protocol for indexing and querying [blockchain](#) data available on the Ethereum, POA and InterPlanetary File System (IPFS) networks. Blockchains lack the functionality to let users query and read on-chain data.

To solve that problem, The Graph indexes blockchain data for users to query data using the GraphQL API. Because The Graph is an open-source project, its users are able to use the GraphQL API to publish their own open APIs ("subgraphs") for more efficient blockchain queries. Some decentralized applications (dapps) that have developed their own subgraphs include CoinGecko,

Decentraland, Instadapp, Synthetix and Uniswap.

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