Subgraph

Introduction

Lido has a Subgraph deployed on [The Graph Decentralized Network](#) which indexes and organises data from the Lido smart contracts events, exposing a GraphQL endpoint for queries. Subgraph data is indexed and served by independent Indexers on the network.

GraphQL Schema

The schema of GraphQL entities available is defined in [/schema.graphql](#) .

Links

- [Explorer Page](#)
- GraphQL Endpoint:https://gateway-arbitrum.network.thegraph.com/api/[api-key]/subgraphs/id/Sxx812XgeKyzQPaBpR5YZWmGV5fZuBaPdh7DFhzSwiQ
- [Code Repo](#)

Query Examples

Below are some sample queries you can use to gather information from the Lido contracts.

You can build your own queries using [GraphQL Explorer](#) to test it out and query exactly what you need.

Rewards Distribution

Daily staking rewards data with calculated APR and fees distribution.

{ totalRewards (first :

100 ,

orderBy :

block ,

orderDirection :

desc)

{ id totalRewards totalRewardsWithFees insuranceFee treasuryFee totalFee dust nodeOperatorFees

{ address fee } nodeOperatorsShares

{ address shares } shares2mint sharesToInsuranceFund sharesToOperators sharesToTreasury totalPooledEtherBefore totalPooledEtherAfter totalSharesBefore totalSharesAfter apr aprBeforeFees aprRaw preTotalPooledEther postTotalPooledEther timeElapsed block blockTime transactionIndex } }

Oracle Reports

Daily completed oracle reports.

{ oracleCompleteds (first :

500 ,

orderBy :

blockTime ,

orderDirection :

desc)

{ epochId beaconBalance beaconValidators block blockTime } }

Transfers

stETH transfers between addresses.

{ lidoTransfers (first :

50)

{ from to value block blockTime transactionHash } }

Submissions

stETH staking events.

{ lidoSubmissions (first :

50)

{ sender amount block blockTime transactionHash } }

Node Operator Keys

Fetch validator keys of a node operator.

{ nodeOperatorSigningKeys (where :

{

operatorId :

0

})

{ pubkey } }

Helpful Links

[Creating an API Key Video Tutorial](#)

[Managing your API Key & Setting your indexer preferences](#)

[Querying from an Application](#) [Edit this page](#) [Previous SDKs and UI libraries](#) [Next Specification](#)