

# API

info Lido APIs are strictly for read-only access Here you can find various Lido APIs which you can integrate in your app or website:

## Lido APR

API provides Ethereum and Lido staking APR, which include:

### Simple Moving Average Lido APR for 7 last days:

This APR value is based on Simple Moving Average of APR values over a period of 7 days.

<https://eth-api.lido.fi/v1/protocol/steth/apr/sma> Response schema and examples are available in the [Swagger API documentation](#)

#### Holesky

<https://eth-api-holesky.testnet.fi/v1/protocol/steth/apr/sma>

### Last Lido APR for stETH

The latest staking APR value. For Lido V1, we collected APR values by periodically fetching [oracle report events](#) . For the V2 version, the value is calculated based on [rebase events](#) .

V2 APR calculation:

```
// Emits when token rebased (total supply and/or total shares were changed) event TokenRebased( uint256 indexed reportTimestamp, uint256 timeElapsed, uint256 preTotalShares, uint256 preTotalEther, / preTotalPooledEther / uint256 postTotalShares, uint256 postTotalEther, / postTotalPooledEther / uint256 sharesMintedAsFees / fee part included in postTotalShares / );
```

```
preShareRate = preTotalEther * 1e27 / preTotalShares postShareRate = postTotalEther * 1e27 / postTotalShares
```

```
userAPR = secondsInYear * ( (postShareRate - preShareRate) / preShareRate ) / timeElapsed
```

<https://eth-api.lido.fi/v1/protocol/steth/apr/last> Response schema and examples are available in the [Swagger API documentation](#)

#### Holesky

<https://eth-api-holesky.testnet.fi/v1/protocol/steth/apr/last>

## Lido Reward History

Reward History Backend provides an API which returns all stETH interactions by an address and calculates its daily stETH rewards.

Currently, there's just one endpoint (/):

<https://reward-history-backend.lido.fi/?address=0x12345> Response schema and examples are available in the [Swagger API documentation](#)

### Parameters

The only required query parameter is address .

Optional Parameters:

- currency
  - : USD/EUR/GBP - Fiat currency in which to display stETH denominated in fiat.USD
  - by default.
- archiveRate
  - : true/false - Use an exchange rate close to the transaction time when calculating currency values instead of the current one.true

- by default.
- onlyRewards
- : true/false - Include only rewards without transfers or stakings.false
- by default.
- sort
- : asc/desc - Sort of transactions by blockTime.desc
- by default.
- skip
- : number - Amount of data items to skip.
- limit
- : number - Maximum amount of data items to respond with.

skip and limit params are used for pagination eg:

skip: 0, limit: 100 = 1 page skip: 100, limit: 100 = 2 page skip: 200, limit: 100 = 3 page

## Holesky

Reward History Backend is also available on Goerli:

<http://reward-history-backend-holesky.testnet.fi/?address=0x12345> Response schema and examples are available in the [Swagger API documentation](#) [Edit this page](#) [Previous Lido V2 mainnet parameters](#) [Next Wallets](#)