LidoExecutionLayerRewardsVault

- Source Code
- Deployed Contract

A vault for temporary storage of execution layer (EL) rewards (MEV and tx priority fee). See the Lido improvement proposal#12 .

Both the transaction priority fee and MEV rewards are collected by specifying the contract's address as the coinbase (feeRecipient). Additionally, MEV rewards are also extracted whenever payload builders include an explicit transaction that transfers MEV shares to thefeeRecipient in the payload. Thereby, the contract features a payable receive function that accepts incoming ether.

Only theLido contract can withdraw the accumulated rewards to distribute them betweenstETH holders as part of theAccounting Oracle report.

NB: Any ether sent to the contract by accident is unrecoverable and will be distributed by the protocol as accrued rewards.

Methods

receive()

Allows the contract to receive ETH via transactions.

Emits theETHReceived event.

receive ( )

external

payable ;

withdrawRewards()

Move all accumulated EL rewards to the Lido contract. Can only be called by the Lido contract. Returns the ether amount withdrawn.

function

withdrawRewards (uint256 _maxAmount)

external

returns

(uint256 amount)

Parameters:

Name Type Description _maxAmount uint256 Max amount of ETH to withdraw

recoverERC20()

Transfers the given amount of the ERC20-token (defined by the provided token contract address) currently belonging to the vault contract address to the Lido treasury address.

Emits theERC20Recovered event.

function

recoverERC20 (address _token ,

uint256 _amount)

external

Parameters:

Name Type Description _token address ERC20-compatible token _amount uint256 token amount to recover

recoverERC721()

Transfers the given tokenId of the ERC721-compatible NFT (defined by the provided token contract address) currently belonging to the vault contract address to the Lido treasury address.

Emits theERC721Recovered event.

function

recoverERC721 (address _token ,

uint256 _tokenId)

external

Parameters:

Name Type Description _token address ERC721-compatible token _tokenId uint256 minted token idEdit this page Previous Burner Next MevBoostRelayAllowedList