mevETH Share Vault

Structs

ProtocolBalance

Struct to account for the protocol fees and rewards.

struct

ProtocolBalance { uint128 feesPaid; uint128 rewardsPaid; uint128 exitsPaid; uint128 totalWithdrawn; }

State Variables

protocolBalance

ProtocolBalance struct to account for the protocol fees and rewards.

ProtocolBalance public protocolBalance;

mevEth

The address of the MevEth contract.

address

public mevEth;

protocolFeeTo

The address that protocol fees are sent to.

address

public protocolFeeTo;

Functions

constructor

Construction sets authority, MevEth, and averageFeeRewardsPerBlock.

constructor (address authority ,

address

_mevEth ,

address

_protocolFeeTo) Auth (authority); Parameters

Name Type Description authority address The address of the controlling admin authority. _mevEth address The address of the WETH contract to use for deposits. _protocolFeeTo address The address that protocol fees are sent to.

payRewards

Function to pay rewards to the MevEth contract

Only callable by an operator.

function

payRewards (uint256 rewards) external

onlyOperator ; Parameters

Name Type Description rewards uint256 rewards to pay to the MevEth contract

sendFees

Function to collect the fees owed to the prorotocol.

function

sendFees (uint256 fees) external

onlyAdmin ;

setProtocolFeeTo

function

setProtocolFeeTo (address newProtocolFeeTo) external

onlyAdmin ;

recoverToken

Function to recover tokens sent to the contract.

This function is only callable by an admin.

function

recoverToken (address token ,

address recipient ,

uint256 amount) external

onlyAdmin ;

setNewMevEth

Function to set a new mevEth address.

function

setNewMevEth (address newMevEth) external

onlyAdmin ;

payValidatorWithdraw

Function to pay MevEth when withdrawing funds from a validator

This function is only callable by an admin and emits an event for offchain validator registry tracking.

function

payValidatorWithdraw () external

onlyOperator ;

receive

Function to receive ETH.

receive () external

payable ;

Events

RewardsCollected

Event emitted when the protocol balance is updated during logRewards

event

RewardsCollected (uint256

indexed protocolFeesOwed, uint256

indexed rewardsOwed);

TokenRecovered

Event emitted when a tokens are recovered from the contract.

event

TokenRecovered (address

indexed recipient, address

indexed token, uint256

indexed amount);

ProtocolFeeToUpdated

Event emitted when the protocolFeeTo address is updated.

event

ProtocolFeeToUpdated (address

indexed newProtocolFeeTo);

FeesSent

Event emitted when the protocol fees are sent to the protocolFeeTo address.

event

FeesSent (uint256

indexed feesSent);

RewardsPaid

Event emitted when rewards are paid to the MevEth contract.

event

RewardsPaid (uint256

indexed rewards);

MevEthUpdated

Event emitted when the mevEth address is updated.

event

MevEthUpdated (address

indexed meveth);

ValidatorWithdraw

Event emitted when funds representing a validator withdrawal are sent to the MevEth contract.

event

ValidatorWithdraw (address sender, uint256 amount); Last updated onFebruary 7, 2024Mevethrateprovider Waygustaker