

WithdrawalVault

- [Source Code](#)
- [Deployed Contract](#)

What is WithdrawalVault

A simple contract that accumulates partial and full withdrawals that comes from the Beacon Chain. Its address corresponds to the type-0x01 Lido withdrawal credentials. During the accounting oracle report, the vault is emptied by Lido to the internal buffer; see [Lido contract docs](#) for details.

The vault is recoverable, so any ERC-20 and ERC-721 tokens can be transferred to the treasury by DAO.

The currently deployed version is upgradable because of anticipated Ethereum withdrawal mechanics changes.

note The contract is meant to be ossified somewhere after withdrawal credentials triggerable exits are implemented.

View methods

getContractVersion()

Returns the current contract version.

function

getContractVersion ()

returns

(uint256)

Methods

withdrawWithdrawals()

Transfer the _amount of accumulated withdrawals to the Lido contract.

note It can be called only by the [Lido](#) contract. function

withdrawWithdrawals (uint256 _amount)

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 aERC20Recovered 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 id	Edit this page	Previous
			WithdrawalQueue	ERC721	Next	wstETH		