

# MevBoostRelayAllowedList

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MEV-Boost relay allowed list is a simple contract storing a list of relays that have been approved by DAO for use in [MEV-Boost](#) setups. The data from the contract is used to generate a configuration file that contains a list of relays that should be connected to by the Node Operators participating in Lido.

## View methods

### get\_owner()

Retrieves the current contract owner.

```
@view @external def get_owner() -> address
```

### get\_manager()

Retrieves the current manager entity (returns zero address if no entity is assigned).

```
@view @external def get_manager() -> address
```

### get\_relays\_amount()

Retrieves the current total amount of allowed relays.

```
@view @external def get_relays_amount() -> uint256
```

### get\_relays()

Retrieves all of the currently allowed relays.

```
@view @external def get_relays() -> DynArray[Relay, MAX_NUM_RELAYS]
```

### get\_relay\_by\_uri()

Retrieves the relay with the provided uri.

```
@view @external def get_relay_by_uri(relay_uri: String[MAX_STRING_LENGTH]) -> bool
```

#### Parameters:

Name	Type	Description
relay_uri	String[MAX_STRING_LENGTH]	URI of the relay note Reverts if no relay found.

### get\_allowed\_list\_version()

Retrieves the current version of the allowed relays list.

```
@view @external def get_allowed_list_version() -> uint256:
```

## Methods

### add\_relay()

Appends relay to the allowed list. Bumps the allowed list version.

```
@external def add_relay( uri: String[MAX_STRING_LENGTH], operator: String[MAX_STRING_LENGTH], is_mandatory: bool, description: String[MAX_STRING_LENGTH] )
```

#### Parameters:

Name	Type	Description
uri	String[MAX_STRING_LENGTH]	URI of the relay operator
operator	String[MAX_STRING_LENGTH]	Name of the relay operator
is_mandatory	bool	If the relay is mandatory for usage for Lido Node Operator
description	String[MAX_STRING_LENGTH]	Description of the relay in free format
note		Reverts if any of the following is true:

- called by anyone except the owner or manager
- relay with provideduri
- already allowed
- uri
- is empty

## remove\_relay()

Removes the previously allowed relay from the set. Bumps the allowed list version.

@external def remove\_relay(uri: String[MAX\_STRING\_LENGTH]):

### Parameters:

Name	Type	Description	uri	String[MAX_STRING_LENGTH]	URI of the relay note	Reverts if any of the following is true:
						<ul style="list-style-type: none"> <li>• called by anyone except the owner or manager</li> <li>• if relay with provideduri</li> <li>• is not allowed</li> <li>• uri</li> <li>• is empty</li> </ul>



## change\_owner()

Change current owner to the new one.

@external def change\_owner(owner: address)

### Parameters:

Name	Type	Description	owner	address	Address of the new owner note	Reverts if any of the following is true:
						<ul style="list-style-type: none"> <li>• called by anyone except the current owner</li> <li>• owner</li> <li>• is the current owner</li> <li>• owner</li> <li>• is zero address</li> </ul>



## set\_manager()

Setsmanager as the current management entity.

@external def set\_manager(manager: address)

### Parameters:

Name	Type	Description	manager	address	Address of the new manager note	Reverts if any of the following is true:
						<ul style="list-style-type: none"> <li>• called by anyone except the current owner</li> <li>• manager</li> <li>• is equal to the previously set value</li> <li>• manager</li> <li>• is zero address</li> </ul>



## dismiss\_manager()

Dismisses the current management entity.

@external def dismiss\_manager() note Reverts if any of the following is true:

- called by anyone except the current owner
- nomanager
- was set previously

## recover\_erc20()

Transfers ERC20 tokens from the contract's balance to therecipient .

@external def recover\_erc20(token: address, amount: uint256, recipient: address) note Reverts if any of the following is

true:

- called by anyone except the owner
- ERC20 transfer reverted
- recipient
- is zero address [Edit this page](#) [Previous LidoExecutionLayerRewardsVault](#) [Next TRP VestingEscrow](#)