

Supported Tokens Contract

Introduction

The Supported Tokens contract holds the whitelist of ERC20 token contracts that can be used for the pullPayments.

Contract version

pragma solidity 0.8.0

Contract constructor

In this contract the initialize() method is used in place of the constructor to allow the contract to be upgradable via proxy.

Method Name:

- initialize

Method Usage:

- The initialize method is used to initialize the Executor contract, set the registry and transfer the contract ownership to the contract deployer.

Method Signature:

- function initialize(address registryAddress)
external;

Method Parameters:

1. **registryAddress:**
 - indicates the address of the registry contract which keeps the record of all the contract addresses in the ecosystem.

Contract Methods

addToken()

Method name:

- addToken

Method detail:

- This method allows the contract owner to add new tokens for the pullPayments.
- Only the owner can add the supported tokens.

Method signature:

- function addToken(address tokenAddress) external override;

Method parameters:

1. tokenAddress:

- Indicates the token contract address which is to add for the pullPayments

Returned data:

- This method does not return any data.

getSupported()

Method name:

- getSupported

Method detail:

- This method retrieves the list of supported token addresses.

Method signature:

- function getSupported() external override view returns (address[] memory)

Method parameters:

- This method does not take any parameters.

Returned data:

- This method returns the list of token addresses which supports the pullPayment.

Flow of Execution:

1. First contract owner whitelists the token using the `addToken()` method.
2. Users can see the list of supported tokens using the `getSupported()` method.