

AggregationRouterV5

Derives

- [ClipperRouter](#)
- [LimitOrderProtocolRFQ](#)
- [UnoswapV3Router](#)
- [IUniswapV3SwapCallback](#)
- [UnoswapRouter](#)
- [Permitable](#)
- [EIP712](#)
- [EthReceiver](#)
- [Ownable](#)
- [Context](#)

Functions

constructor

function

constructor (address with , contract

IClipperExchangeInterface _clipperExchange)

public

Parameters:

Name	Type	Description
with	address	address _clipperExchange contract IClipperExchangeInterface

swap

function

swap (contract

IAggregationExecutor caller , struct

AggregationRouterV4 . SwapDescription desc , bytes data)

external

returns

(uint256 returnAmount ,

uint256 gasLeft) Performs a swap, delegating all calls encoded in data to caller . See tests for usage examples

Parameters:

Name	Type	Description
caller	contract IAggregationExecutor	Aggregation executor that executes calls described in data
desc	struct AggregationRouterV4.SwapDescription	Swap description data
data	bytes	Encoded calls that caller should execute in between of swaps

Return Values:

Name	Type	Description
returnAmount	uint256	Resulting token amount
gasLeft	uint256	Gas left

rescueFunds

function

rescueFunds (contract

IERC20 token , uint256 amount)

external

Parameters:

Name	Type	Description
token	contract IERC20	amount uint256

destroy

function

destroy ()

external

Events

Swapped

event

Swapped (address sender , contract

IERC20 srcToken , contract

IERC20 dstToken , address dstReceiver , uint256 spentAmount , uint256 returnAmount)

Parameters:

Name	Type	Description
sender	address	srcToken contract IERC20
dstToken	contract IERC20	dstReceiver address
spentAmount	uint256	returnAmount uint256

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