ClipperRouter

Clipper router that allows to useClipperExchangeInterface for swaps

Derives

- [Permitable](#)
- [EthReceiver](#)

Functions

constructor

function

constructor (address weth , contract

IClipperExchangeInterface clipperExchange)

public

Parameters:

Name Type Description weth address clipperExchange contract IClipperExchangeInterface

clipperSwapToWithPermit

function

clipperSwapToWithPermit (address

payable recipient , contract

IERC20 srcToken , contract

IERC20 dstToken , uint256 amount , uint256 minReturn , bytes permit)

external

returns

(uint256 returnAmount) Same asclipperSwapTo but calls permit first, allowing to approve token spending and make a swap in one transaction.

Parameters:

Name Type Description recipient address payable Address that will receive swap funds srcToken contract IERC20 Source token dstToken contract IERC20 Destination token amount uint256 Amount of source tokens to swap minReturn uint256 Minimal allowed returnAmount to make transaction commit permit bytes Should contain valid permit that can be used inIERC20Permit.permit calls. See tests for examples

clipperSwap

function

clipperSwap (contract

IERC20 srcToken , contract

IERC20 dstToken , uint256 amount , uint256 minReturn)

external

returns

(uint256 returnAmount) Same asclipperSwapTo but usesmsg.sender as recipient

Parameters:

Name Type Description srcToken contract IERC20 Source token dstToken contract IERC20 Destination token amount uint256 Amount of source tokens to swap minReturn uint256 Minimal allowed returnAmount to make transaction commit

clipperSwapTo

function

clipperSwapTo (address

payable recipient , contract

IERC20 srcToken , contract

IERC20 dstToken , uint256 amount , uint256 minReturn)

public

returns

(uint256 returnAmount) Performs swap using Clipper exchange. Wraps and unwraps ETH if required. Sending non-zeromsg.value for anything but ETH swaps is prohibited

Parameters:

Name Type Description recipient address payable Address that will receive swap funds srcToken contract IERC20 Source token dstToken contract IERC20 Destination token amount uint256 Amount of source tokens to swap minReturn uint256 Minimal allowed returnAmount to make transaction commit