

# Exchange Service

## Summary

Retrieve the OasisExchangeService (or alternative implementation) through `maker.service('exchange')` . The exchange service allows to buy and sell DAI, MKR, and other tokens. The default OasisExchangeService implementation uses the OasisDEX OTC market for this.

Requires one of the exchange [plugins](#) to be in use.

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Copy `const exchange = maker.service('exchange');`

...

## sellDai

Sell a set amount of DAI and receive another token in return.

- Parameters
- - daiAmount
  - - Amount of DAI to sell.
- - tokenSymbol
  - - Token to receive in return.
- - minFillAmount
  - - Minimum amount to receive in return.
- \*
- Returns:
- promise (resolves to [OasisOrder](#)
- once mined)
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...

Copy // Sell 100.00 DAI for 0.30 WETH or more. `const sellOrder = await exchange.sellDai('100.0', 'WETH', '0.30');`

...

## buyDai

Buy a set amount of DAI and give another token in return.

- Parameters
- - daiAmount
  - - Amount of DAI to buy.
- - tokenSymbol
  - - Token to give in return.
- - minFillAmount
  - - Maximum amount to give in return.
- \*

- Returns:
- promise (resolves to [OasisOrder](#)
- once mined)
- 

...

Copy // Buy 100.00 DAI for 0.30 WETH or less. constbuyOrder=awaitexchange.buyDai('100.0','WETH','0.35');

...

OasisOrder

OasisOrders have a few methods:fillAmount : amount of token received in exchangefees() : amount of ether spent on gascreated() : timestamp of when transaction was mined

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Copy constbuyOrder=awaitexchange.buyDai('100.0','WETH','0.35'); constfillAmount=buyOrder.fillAmount(); constgasPaid=buyOrder.fees(); constcreated=buyOrder.created();

...

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