

# Creating an RFQ order

## Parameters:

Field Type Description id number is a pass-through, integer identifier starting at 1 wrapEth boolean? when is true, then in case of a limit order with WETH as maker asset, taker will receive ETH instead of WETH expiresInTimestamp number is the timestamp in seconds when the limit order will no longer be available for execution. For example: 1623166270029 makerAssetAddress string the address of the asset you want to sell (address of a token contract) takerAssetAddress string the address of the asset you want to buy (address of a token contract) makerAddress string an address of the maker (wallet address) takerAddress string? the address of the taker for whom the limit order is being created. This is an optional parameter, if it is not specified, then the limit order will be available for execution for everyone makerAmount string the number of maker asset tokens that you want to sell (in token units). For example: 5 DAI = 5000000000000000000 units takerAmount string the number of taker asset tokens that you want to receive for selling the maker asset (in token units). For example: 5 DAI = 5000000000000000000 units

## Creating with a typescript/javascript:

```
import Web3 from
'web3' ; import
{ LimitOrderBuilder , Web3ProviderConnector , }
from
'@1inch/limit-order-protocol-utils' ;
const contractAddress =
'0x7643b8c2457c1f36dc6e3b8f8e112fdf6da7698a' ; const walletAddress =
'0xd337163ef588f2ee7cdd30a3387660019be415c9' ; const chainId =
1 ;
const web3 =
new
Web3 ( '...' ) ; // You can create and use a custom provider connector (for example: ethers) const connector =
new
Web3ProviderConnector ( web3 ) ;
const limitOrderBuilder =
new
LimitOrderBuilder ( contractAddress , chainId , connector ) ;
const RFQorder = limitOrderBuilder . buildRFQOrder ( { id :
1 , expiresInTimestamp :
1623166102 , makerAssetAddress :
'0x111111111117dc0aa78b770fa6a738034120c302' , takerAssetAddress :
'0xbb4cbb9cbbd36b01bd1c8aebf2de08d9173bc095c' , makerAddress : walletAddress , makerAmount :
'10000000000000000000' , takerAmount :
'90000000000000000000' , } ) ;
```

## Creating via CLI (with arguments):

```
npx limit-order-rfq-utils -- \ --operation = create \ --chainId = 56
\ --privateKey = { xxx }
```

```
\ --orderId = 1
```

```
\ --expiresIn = 300
```

```
\ --makerAssetAddress = 0x111111111117dc0aa78b770fa6a738034120c302 \ --takerAssetAddress =  
0x1af3f329e8be154074d8769d1ffa4ee058b1dbc3 \ --makerAmount = 100000000000000000
```

```
\ --takerAmount = 4000000000000000000
```

```
\ --takerAddress = ""
```

## Creating via CLI (through prompt):

npm run limit-order-rfq-utils As result you will receive a structure of [RFQ order](#) . Example:

```
{ "info" :
```

```
"29941961886664662331741887180822" , "makerAsset" :
```

```
"0x111111111117dc0aa78b770fa6a738034120c302" , "takerAsset" :
```

```
"0x1af3f329e8be154074d8769d1ffa4ee058b1dbc3" , "makerAssetData" :
```

```
"0x23b872dd00000000...0000" , "takerAssetData" :
```

```
"0x23b872dd00000000...0000" } Edit this page Previous RFQ order structure Next Filling a RFQ order
```