

Quote

Find the best quote to exchange via 1inch router: </api/quote>

Description of query parameters

All parameters with astericks "*" are REQUIRED

Parameter name	Type	Description
<code>src*</code>	string	contract address of a token to sell e.g.: <code>0x6b175474e89094c44da98b954eedeac495271d0f</code>
<code>dst*</code>	string	contract address of a token to buy e.g.: <code>0xa0b86991c6218b36c1d19d4a2e9eb0ce3606eb48</code>
<code>amount*</code>	integer	amount of a token to sell, set in minimal divisible units e.g.: <code>1.00 DAI</code> set as <code>1000000000000000000</code> <code>51.03 USDC</code> set as <code>51030000</code>
<code>includeTokensInfo</code>	boolean	if set to <code>true</code> , response will include from token and to token info default: <code>false</code>
<code>includeProtocols</code>	boolean	if set to <code>true</code> , response will include protocols used in the quote default: <code>false</code>
<code>includeGas</code>	boolean	if set to <code>true</code> , response will include gas limit anticipated for the quote default: <code>false</code>
<code>fee</code>	number	this percentage of <code>src</code> token amount will be sent to <code>referrerAddress</code> , the rest will be used as input for a swap min: <code>0</code> ; max: <code>3</code> ; default: <code>0</code> ; example to set a fee to 1.5%: <code>&fee=1.5</code>
<code>protocols</code>	string	specify liquidity protocols to use. If not set, all liquidity protocols will be used e.g.: <code>&protocols=WETH,CURVE,BALANCER,...,ZRX</code> default: all protocols can be used
<code>gasPrice</code>	string	1inch takes in account gas expenses to determine exchange route. It is important to use the same gas price on the quote and swap methods

Parameter name	Type	Description
		gas price set in wei: 12.5 GWEI set as 12500000000 default: "fast" from the network
complexityLevel	string	maximum number of token-connectors to be used in a transaction. The more is used – the longer route estimation will take, the more complex route might be as a result. If not set, two token-connectors might be used min: 0; max: 3; default: 2
connectorTokens	string	token-connectors can be specified via this parameter. The more is set – the longer route estimation will take. If not set, default token-connectors will be used. If token you want to exchange doesn't have a pool with one of the default token-connectors, this parameter will help find the route; should be the same for a quote and swap e.g.: &connectorTokens=0xEeeeeEeeeEeEeeEeEeEEEEEEEEEEEEEEEEEEEE, 0x6b175474e89094c44da98b954eedeac495271d0f default: list of default token-connectors
gasLimit	integer	maximum amount of gas for a swap; should be the same for a quote and swap default: 11500000; max: 11500000;
mainRouteParts	integer	limit maximum number of main route parts; should be the same for a quote and swap default: 20; max: 50;
parts	integer	limit maximum number of parts each main route part can be split into; should be the same for a quote and swap default: 20; max: 100;

Description of response parameters

Parameter name	Type	Description
srcToken	string	parameters of a token to sell
dstToken	string	parameters of a token to buy
fromAmount	string	input amount of srcToken in minimal divisible units
dstAmount	string	result amount of dstToken in minimal divisible units
protocols	string	route of the trade
gas	string	rough estimated amount of the gas limit for used protocols; do not use gas from the quote method as the gas limit of a transaction

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