Quoter
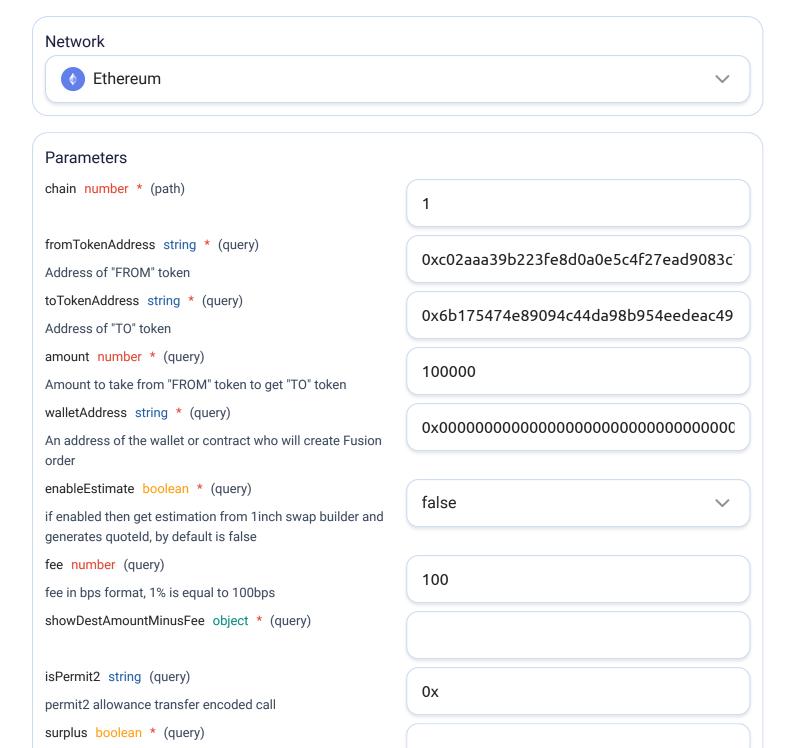
1inch Fusion API

POST   https://api.1inch.dev/fusion/quoter/v2.0/{chain}/quote/receive

Get quote with custom preset details

Network

Ethereum

Parameters

chain   number   *   (path)

1

fromTokenAddress   string   *   (query)
Address of "FROM" token

0xc02aaa39b223fe8d0a0e5c4f27ead9083c

toTokenAddress   string   *   (query)
Address of "TO" token

0x6b175474e89094c44da98b954eedeac49

amount   number   *   (query)
Amount to take from "FROM" token to get "TO" token

100000

walletAddress   string   *   (query)
An address of the wallet or contract who will create Fusion
order

0x000000000000000000000000000000000

enableEstimate   boolean   *   (query)
if enabled then get estimation from 1inch swap builder and
generates quoteId, by default is false

false

fee   number   (query)
fee in bps format, 1% is equal to 100bps

100

showDestAmountMinusFee   object   *   (query)

isPermit2   string   (query)
permit2 allowance transfer encoded call

0x

surplus   boolean   *   (query)

permit string (query)

permit, user approval sign

source object (query)

0x

Request Body

Content type	application/json

Click in to adjust the request body:

```
{
    "auctionDuration": 0,
    "auctionStartAmount": 0,
    "auctionEndAmount": 0,
    "points": [
        "string"
    ]
}
```

Request Body Schema:

⌄   CustomPresetInput object
            auctionDuration * number
            auctionStartAmount * integer
            auctionEndAmount * integer
    ⌄   points array
            items string

swagger.response

Code: 200

Returns slippage, quoteId and presets with custom preset details as well

Code: 400

Input data is invalid

Code: default

Schema:

⌄   GetQuoteOutput object
            quoteId * object
            fromTokenAmount * string
            toTokenAmount * string
            feeToken * string
    ⌄   fee * ResolverFee object
                receiver * string
                bps * number
                whitelistDiscountPercent * number
            integratorFee * number

```
presets * any
  allOf[0] QuotePresetsClass object
    fast * any
      allOf[0] PresetClass object
          bankFee * string
          auctionDuration * number
          startAuctionIn * number
          initialRateBump * number
          auctionStartAmount * string
          startAmount * string
          auctionEndAmount * string
          exclusiveResolver * object
          tokenFee * string
          estP * number
        points * array
          items AuctionPointClass object
              delay * number
              coefficient * number
          allowPartialFills * boolean
          allowMultipleFills * boolean
        gasCost * GasCostConfigClass object
            gasBumpEstimate * number
            gasPriceEstimate * string
    medium * any
      allOf[0] PresetClass object
          bankFee * string
          auctionDuration * number
          startAuctionIn * number
          initialRateBump * number
          auctionStartAmount * string
          startAmount * string
          auctionEndAmount * string
          exclusiveResolver * object
          tokenFee * string
          estP * number
        points * array
          items AuctionPointClass object
              delay * number
              coefficient * number
          allowPartialFills * boolean
          allowMultipleFills * boolean
        gasCost * GasCostConfigClass object
            gasBumpEstimate * number
            gasPriceEstimate * string
    slow * any
      allOf[0] PresetClass object
          bankFee * string
          auctionDuration * number
          startAuctionIn * number
          initialRateBump * number
          auctionStartAmount * string
          startAmount * string
          auctionEndAmount * string
          exclusiveResolver * object
          tokenFee * string
          estP * number
        points * array
          items AuctionPointClass object
              delay * number
              coefficient * number
          allowPartialFills * boolean
          allowMultipleFills * boolean
```

❯   gasCost * GasCostConfigClass object
                              gasBumpEstimate * number
                              gasPriceEstimate * string
             ❯   custom any
                  ❯   allOf[0] PresetClass object
                            bankFee * string
                            auctionDuration * number
                            startAuctionIn * number
                            initialRateBump * number
                            auctionStartAmount * string
                            startAmount * string
                            auctionEndAmount * string
                            exclusiveResolver * object
                            tokenFee * string
                            estP * number
                       ❯   points * array
                            ❯   items AuctionPointClass object
                                      delay * number
                                      coefficient * number
                            allowPartialFills * boolean
                            allowMultipleFills * boolean
                       ❯   gasCost * GasCostConfigClass object
                                 gasBumpEstimate * number
                                 gasPriceEstimate * string
          settlementAddress * string
      ❯   whitelist * array
               items string
      ❯   recommended_preset * string (Enum)
               fast
               medium
               slow
               custom
          suggested * boolean
      ❯   prices * TokenPairValue object
          ❯   usd * PairCurrencyValue object
                   fromToken * string
                   toToken * string
      ❯   volume * TokenPairValue object
          ❯   usd * PairCurrencyValue object
                   fromToken * string
                   toToken * string
          surplusFee * number

Authorization - API KEY

Try it

NodeJS   Python   cURL   Go

```javascript
const axios = require("axios");

async function httpCall() {
  const url = "https://api.1inch.dev/fusion/quoter/v2.0/1/quote/receive";

  const config = {
    headers: undefined,
    params: {
      fromTokenAddress: "0xc02aaa39b223fe8d0a0e5c4f27ead9083c756cc2",
      toTokenAddress: "0x6b175474e89094c44da98b954eedeac495271d0f",
      amount: "100000",
      walletAddress: "0x0000000000000000000000000000000000000000",
      enableEstimate: "false",
      fee: "100",
      isPermit2: "0x",
      permit: "0x",
    },
    paramsSerializer: {
      indexes: null,
    },
```

Response

Click the try-it button to test your API call and see the real-time response right here.