# Introduction

The 1inch spot price aggregator is a set of smart contracts that extract price data for tokens traded on DEXes from the blockchain. To avoid price manipulations within a transaction, the spot price aggregator should ONLY be used off-chain. DO NOT use it on-chain. For off-chain usage see<u>Examples</u> section below.

# Wrappers

To handle wrapped tokens, such as wETH, cDAI, aDAI etc., the 1inch spot price aggregator uses custom wrapper smart contracts that wrap/unwrap tokens at the current wrapping exchange rate.

# **Connectors**

If no direct liquidity pair exists between two tokens, the spot price aggregator calculates rates for those coins using another token that has pairs with both of them – a connector token.

# Supported Deployments

#### **Ethereum Mainnet**

Oracle0x0AdDd25a91563696D8567Df78D5A01C9a991F9B8

Supported DEXes \* Chainlink -0x8606321723D9cA7db708A8b12DAd0A8a83f2F3bD \* KyberDMM -0xE2d0e58302d03F703BD3c5EC2899F4e1af65E18c \* Mooniswap -0x5F6a6428756CfAF96584286Ef9f7411621196f3A \* Synthetix -0xb7EF687B322910f3315F91f9F4B9b4B77219ddb4 \* Uniswap -0xAdF7CC69626eB6F03F4F613832C84Cf62586A6Bb \* Equalizer -0xEBA383DA9FCe0Ea0acB59A185A73D48dC089c73F \* ShibaSwap -0x0fE8bD9CB73ADC66561330B648a8fC62b4F58943 \* SushiSwap -0x2A45d538f460DDBEeA3a899b0674dA3DFE318faa \* UniswapV2 -0xA21E47477DE9BbcDC962ee18a5E7D339c5a16D28 \* UniswapV3 -0xE85B42805e046D1933EB8e1C543C4da4E5e8fFa3 \* Curve -0x7eE5d607597598e9d642b264b7Ac2703b92Acf9B \* Pancake 3 -0xB4039b37d09772801a51764537c167445f52F48b \* Dodo -0x0A7c4d89e1629f189Eb12dd716B178d1b90D9f66 \* DodoV2 -0x03aA019F3B78110e030c34e9fA98047A1f62859A Supported wrappers \* WETH -0x2b36053EB3BC1D68f51Bb7916D1503D1556f3ffc \* AaveV1 -0x8C00a411Fe8983525F82CFCe34fe4B092d9E525d \* AaveV2 -0x06cC74503B6d1eB6D4d6Bc402f48fC07b804105f \* AaveV3 -0x0c8fc7a71C28c768FDC1f7d75835229beBEB1573 \* Compound  $- \underline{0x7C327E1Ee66d4cF7F4053387241351FDc95A0c04} * Compound V3$ -0xd24222B521337DABE4f1e56d351818fbf26905eD \* YVault -0x9FF110f132d988bfa9bC6a21851Da1aF3aC6EaF8 \* stETH -0x26daCf7E879b18FE658326ddD3ABC0D6910B3E9F \* wstETH -0x37eB78fE793E89353e46AEe73E299985C3B8d334 \* sDAI -0xF07317368A4B061dadB8C8239cbfCfd4808B76ce \* CHAI -0x6fE4926a0fCc78ab764b39f2738e1Dea145d7AC0 Supported connectors \* ETH USDC -0xA0b86991c6218b36c1d19D4a2e9Eb0cE3606eB48 \* DAI -0x6B175474E89094C44Da98b954EedeAC495271d0F WBTC -0x2260FAC5E5542a773Aa44fBCfeDf7C193bc2C599 \* 3CRV -0x6c3F90f043a72FA612cbac8115EE7e52BDe6E490 Prev oracle versions (legacy) \* May-28-2021 -0x07D91f5fb9Bf7798734C3f606dB065549F6893bb \* Apr-07-2023 -0x3E1Fe1Bd5a5560972bFa2D393b9aC18aF279fF56 \*

### **Binance Smart Chain**

Oracle0x0AdDd25a91563696D8567Df78D5A01C9a991F9B8

Jul-13-2023 -0x52cbE0f49CcdD4Dc6E9C13BAb024EABD2842045B

-0xbb4CdB9CBd36B01bD1cBaEBF2De08d9173bc095c \* DAI -0x1AF3F329e8BE154074D8769D1FFa4eE058B1DBc3 \* ETH -0x2170Ed0880ac9A755fd29B2688956BD959F933F8 \* USDC -0x8AC76a51cc950d9822D68b83fE1Ad97B32Cd580d \* BSC-USD -0x55d398326f99059fF775485246999027B3197955 \* BUSD -0xe9e7CEA3DedcA5984780Bafc599bD69ADd087D56 \* 1INCH -0x111111111117dC0aa78b770fA6A738034120C302 Prev oracle versions (legacy) \* May-28-2021 -0xfbD61B037C325b959c0F6A7e69D8f37770C2c550 \* Apr-06-2023

-0x27950ecAeBB4462e18e8041AAF6Ea13cA47Af001 \* Jul-13-2023 -0x52cbE0f49CcdD4Dc6E9C13BAb024EABD2842045B

# Polygon (Matic)

## Oracle0x0AdDd25a91563696D8567Df78D5A01C9a991F9B8

# **Optimism**

## Oracle0x0AdDd25a91563696D8567Df78D5A01C9a991F9B8

### **Arbitrum**

# Oracle 0x0AdDd25a91563696D8567Df78D5A01C9a991F9B8

#### **Avax**

Oracle0x0AdDd25a91563696D8567Df78D5A01C9a991F9B8

### xDai

### Oracle0x0AdDd25a91563696D8567Df78D5A01C9a991F9B8

-0x52cbE0f49CcdD4Dc6E9C13BAb024EABD2842045B

#### **Fantom**

#### Oracle0x0AdDd25a91563696D8567Df78D5A01C9a991F9B8

## Aurora

#### Oracle0x0AdDd25a91563696D8567Df78D5A01C9a991F9B8

## Klaytn

#### Oracle0x0AdDd25a91563696D8567Df78D5A01C9a991F9B8

Supported DEXes \* KlaySwap -0xf023D71EfB08339EA28F0C186AE130c74D44C58c \* ClaimSwap

- -0xFdCB8fA524f84081988e6065Fc8EF060f2CF0C27 Supported wrappers \* WKLAY
- -0xD9Cc0A957cAC93135596f98c20Fbaca8Bf515909 \* Klap -0x4dFa40FDAA7694676899f8887A45603922609AF4

- -0x89314d57A8A4E636A00922ac289BC3a9a69C4361 \* Jul-13-2023
- -0x52cbE0f49CcdD4Dc6E9C13BAb024EABD2842045B

# zkSync

#### Oracle0xc9bB6e4FF7dEEa48e045CEd9C0ce016c7CFbD500

Supported DEXes \* MuteSwitch -0xE0C1daF04Ca9f65c45bF67E87F6135fcf51ba5D1 \* Syncswap

- -0x226b15358e2DF022ada190fc3Ac4a32ea26C18c8 Supported wrappers \* WETH
- -0x2D9E7B597b53D98C60A0904DEE7d838042Db9A25 Supported connectors \* ETH
- -0x5AEa5775959fBC2557Cc8789bC1bf90A239D9a91 \* USDC -0x3355df6D4c9C3035724Fd0e3914dE96A5a83aaf4 Prev
- oracle versions (legacy) \* Mar-28-2023 -<u>0x1ec0a5F6dc07E93491426d5aAAc3E2BC505Ef41C</u> \* Jun-05-2023
- -0xEE053a8333B7F804bE050B3D73289C6dbbEB2BFd \* Jul-12-2023
- -0xC762d56614D3411eC6fABD56cb075D904b801613

#### **Base**

### Oracle0x0AdDd25a91563696D8567Df78D5A01C9a991F9B8

Supported DEXes \* BaseSwap -0xb57CdEC62Df2AA93AC4C2449Eb50eB4d2f264f3e \* RocketSwap

- -0x3EB7BFE1217b97d19e740C3587f2b12D00abc0Bc \* SwapBased -0xA57eE57aa7af7c43265A8376c3d54543Cc78C089
- \* DackieSwap -0x48f0E5C5A5f5E5d49f3EaF8f5E242C7550629544 \* HorizonDex
- -<u>0xcdEee819aEf73511331522552Ca1E54e771D40ed</u> \* SushiSwapV3
- -0xf71502f807C37A5aD9bB50aA983423907647bF96 \* UniswapV3 -0xE85B42805e046D1933EB8e1C543C4da4E5e8fFa3
- \* VelocimeterV2 -0x26daCf7E879b18FE658326ddD3ABC0D6910B3E9F Supported wrappers \* WETH
- -0x3Ce81621e674Db129033548CbB9FF31AEDCc1BF6 \* AaveV3 -0x0c8fc7a71C28c768FDC1f7d75835229beBEB1573 \* CompoundV3 -0x3afA12cf9Ac1a96845973BD93dBEa183A94DD74F Supported connectors \* NONE
- -0xEB466342C4d449BC9f53A865D5Cb90586f405215 Prev oracle versions (legacy) \* Aug-09-2023
- -0x52cbE0f49CcdD4Dc6E9C13BAb024EABD2842045B

# **Examples**

- Single token-to-ETH price usage
- Multiple token-to-ETH prices usage Edit this page Previous Liquidity Source and API Next Examples