

# WatchSignals Luxury Watch Price Oracle



WatchSignals is the industry leader in market research on luxury watch prices. As a service provided by data-driven platform Zapevo, WatchSignals gathers luxury watch prices from trusted marketplaces, shows serial numbers and collector database information, presents certificates of authenticity, and provides long-term appraisal data. This oracle, given a reference number, returns the average price for a specific model of a luxury watch.

## Steps For Using This Oracle

- Write and deploy your [Chainlink](#) contract using the network details below
- Fund it with [LINK](#)
- Call your [request method](#)

## Network Details

### Ethereum Mainnet

Payment Amount: 1 LINK

LINK Token Address: `0x514910771AF9Ca656af840dff83E8264EcF986CA`

Oracle Address: `0x60B2582FB902Dff0B99c7AC30ABC08AaEfEEB309`

JobID: `3d765e2892934cb9b5c734cc43da6620`

### Ethereum Kovan Testnet

Payment Amount: 0.1 LINK

LINK Token Address: `0xa36085F69e2889c224210F603D836748e7dC0088`

Oracle Address: `0x56dd6586DB0D08c6Ce7B2f2805af28616E082455`

JobID: `77102eb8faae4532b9534d30749f54dc`

### Binance Smart Chain Mainnet

Payment Amount: 0.1 LINK

LINK Token address: `0x404460c6a5ede2d891e8297795264fde62adbb75`

Oracle Address: `0x556e418c54679B6BdeB07419B355791b0784dF4C`

JobID: `2bbfde60662c4f0f9ef6f46567ca7fbc`

## Create Your Contract

Import `ChainlinkClient.sol` into your contract so you can inherit the Chainlink behavior.

[Deploy this contract using Remix ↗](#)

[What is Remix?](#)

Solidity 4

Solidity 5

Solidity 6

```
pragma solidity ^0.4.24;

import "@chainlink/contracts/v0.4/ChainlinkClient.sol";

contract WatchsignalsChainlink is ChainlinkClient {

    uint256 oraclePayment;

    constructor(uint256 _oraclePayment) public {
        setPublicChainlinkToken();
        oraclePayment = _oraclePayment;
    }
    // Additional functions here:

}
```

## Tasks

- [WatchSignals](#)
- [Copy](#)
- [Multiply](#)
- [EthUint256](#)
- [EthTx](#)

## Request Parameters

### refNumber

The reference number of the watch to request the average price of.

### Solidity Example

```
req.add("refNumber", "RM1101");
```

## Chainlink Examples

The examples below show how to create a request for the Chainlink node.

### requestData function

```
function requestPrice
(
    address _oracle,
    bytes32 _jobId,
    string memory _refNumber
)
public
```

```
    onlyOwner
  {
    Chainlink.Request memory req = buildChainlinkRequest(_jobId, address(this), this.fulfillment);
    req.add("refNumber", _refNumber);
    sendChainlinkRequestTo(_oracle, req, oraclePayment);
  }
}
```

## fulfill function

```
uint256 public price;

function fulfill(bytes32 _requestId, uint256 _price)
  public
  recordChainlinkFulfillment(_requestId)
{
  price = _price;
}
```

---