



THE FINE WINE MARKET

## Market Depth API Documentation

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Confidential

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## Introduction

### About

The Market Depth API is a web service that returns all current Liv-ex prices for a particular wine and vintage.

### Technology

- ➔ REST used as a web service through which the two systems will exchange the data.
- ➔ JSON will be used to send the response in plain text.
- ➔ XML will be used to send the response in xml format.

### User parameter standards for web service call

User parameters are separated by '/' as name and value pairs and each pair is again separated by '/'. All parameter names are case sensitive and after the request URL follows a defined sequence of **{parameter name} / {parameter value}** pairs. Optional parameters are not required and can be left out in the call. **NOTE:** In the sections which follow, the sample data in all requests is highlighted in *blue*.

### Client configuration requirement

To set up the Market Depth service it is necessary to provide Liv-ex with the static IP address that is used to access the service. A token for the IP address will be provided by Liv-ex. Liv-ex will verify the combination of IP and token before returning the information to the client. If this validation fails, Liv-ex will return an error code to the calling service.

## Liv-ex Market Depth service

### Request parameters

Users will be able to request all current prices for a particular wine and vintage via the web service URL - <https://datafeed.liv-ex.com/df/marketdepth/>. Depending on your preference, you can request the data to be delivered in JSON or XML, by adding /getjson or /getxml as part of the URL. The token will be provided by Liv-ex and is a mandatory parameter, as is the LWIN11.

Parameter	Required	Valid values	Description
token	Yes	String	As supplied by Liv-ex
lwin11	No	String	LWIN11 of the wine and vintage being requested
priceType	No	String	Type of price to return in the market depth. Below are the possible options, and can be comma separated if more than one price type is requested: <ul style="list-style-type: none"> <li>• All (default)</li> <li>• List</li> <li>• Trade</li> <li>• Offer</li> <li>• Bid</li> </ul> <b>Note:</b> priceType parameter name is case sensitive and should be sent in camelCase.
timeframe	No	Integer	Timeframe (relevant for List and Trade prices only) of the number of days to return prices for example last 15, 30 (default), 45, or 90 days.  Note: All current live bids & offers will always be displayed regardless of any timeframe.
format	No	String	Type of format to return in the market depth: All (default), Cases, Bottles, Halves, Mags, Large.

### Sample request

*JSON REQUEST*

<https://datafeed.liv-ex.com/df/marketdepth/getjson/token/{token supplied by Liv-ex}/lwin11/{L-WIN11}/priceType/{list,bid,offer}>

*XML REQUEST*

<https://datafeed.liv-ex.com/df/marketdepth/getxml/token/token/{token supplied by Liv-ex}/lwin11/{L-WIN11}}/priceType/{list,bid,offer}>

### Sample response

**Note:** Wine records will be returned in ascending order of Price i.e. cheapest price first.

*JSON*

[Empty response box]

```

    {
      "priceDate": "24/11/2015",
      "priceType": "list",
      "unitSize": "1x300",
      "price": "600",
      "quantity": "5",
      "contractType": "SIB",
      "ci": "as",
      "sold": "Y"
    }
    {
      "priceDate": "24/12/2015",
      "priceType": "trade",
      "unitSize": "1x200",
      "price": "1000",
      "quantity": "4",
      "contractType": "SIB",
      "ci": "as",
      "sold": "N"
    }
  }

```

XML

```

<?xml version="1.0" encoding="UTF-8"?>
<errors xmlns="http://datafeed.liv-ex.com/services"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://datafeed.liv-
ex.com/services http://datafeed.liv-ex.com/service/schema/v1/services.xsd">
  <error>
    <code>E000</code>
    <message> Internal server error </message>
  </error>
</errors>

```

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## Error responses

This section describes the error response codes that will be returned by the Market Depth API.

Code	Message	Description
<b>E000</b>	Internal server error	If you receive this response there is an issue with the Liv-ex server. Currently our data feeds have an uptime of 99.9% and so it is unlikely that you will receive this message. If you do, please contact the data team at <a href="mailto:data@liv-ex.com">data@liv-ex.com</a> and we will fix the issue as soon as possible.
<b>E002</b>	Access denied, either token or service not mapped	The token and service combination is not valid. If the problem persists please send the link you are using to request the data to <a href="mailto:data@liv-ex.com">data@liv-ex.com</a> .
<b>V001</b>	Mandatory field missing	A mandatory field (lwin11) is missing or incorrect. Please make sure you have added the parameters correctly.
<b>V002</b>	Invalid param value	An invalid parameter value has been sent in the request.
<b>V003</b>	Invalid L-WIN	An invalid LWIN has been entered (i.e. an LWIN that is not 11 digits).
<b>V004</b>	L-WIN 11 does not exist	An 11 digit LWIN has been entered but it is not in the system.
<b>R001</b>	No data found	There are no prices available yet for this wine vintage combination.

## Sample error response

### JSON

	<pre> {"error": [{   "code": "E002" ,   "message": "Access denied, Either token or IP address or service not mapped" }]} </pre>
--	---

### XML

```
<?xml version="1.0" encoding="UTF-8"?>
<errors xmlns="http://datafeed.liv-ex.com/services" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xsi:schemaLocation="http://datafeed.liv-ex.com/services http://datafeed.liv-
ex.com/service/schema/v1/services.xsd">
  <error>
    <code>E002</code>
    <message>Access denied, Either token or IP address or service not mapped</message>
  </error>
</errors>
```