



THE FINE WINE MARKET

## Offers API

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## 1. Introduction

### About

Data feed is a mechanism for users to receive updated data from data sources. Liv-ex can supply fine wine market data as an electronic feed, allowing instant retrieval of large amounts of data. This feed can be integrated (via a webservice API) with internal systems to enable automatic database uploads. Alternatively, subscribers can use Liv-ex's user-friendly interface to download comprehensive market data in Excel. All Liv-ex price feeds below include wine name, vintage, unit sizes and L-WIN.

### 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 a xml format

To set up the bid and offer service please contact [data@liv-ex.com](mailto:data@liv-ex.com). Liv-ex will provide a username and password to access the data feed.

### User parameter standards for web service call

User parameters define the content of your feed and they are separated by '/' as name and value pairs. 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.

## 2. Liv-ex Bid & Offer feed

### Description

A datafeed that provides a list of bids or offers currently live on the exchange.

### Request Parameters

| Name             | Mandatory | Description   |
|------------------|-----------|---|
| username         | Y         | Username provided by Liv-ex   |
| password         | Y         | Password provided by Liv-ex   |
| feed             | Y         | Feed name provided by Liv-ex  |
| lwin_type        | Y         | LWIN type to return depending on your preferences <ul style="list-style-type: none"> <li>• LWIN7</li> <li>• LWIN11</li> <li>• LWIN16</li> <li>• LWIN18</li> </ul> |
| full_order_depth | Y         | <ul style="list-style-type: none"> <li>• True = all bids/offers</li> <li>• False = best bids/offers</li> </ul>  |

## Example requests

### Live exchange bids

#### JSON

```
https://datafeed.liv-  
ex.com/df/liveexchangebid/getjson/username/{insertname}/password/{insertpassword}/fee  
d/{feed name}/lwin_type/{L-WIN type}/ full_order_depth//{true or false}
```

#### XML

```
https://datafeed.liv-  
ex.com/df/liveexchangebid/getxml/username/{insertname}/password/{insertpassword}/feed  
/{feed name}/lwin_type/{L-WIN type}/ full_order_depth//{true or false}
```

### Live exchange offers

#### JSON

```
https://datafeed.liv-  
ex.com/df/liveexchangeoffer/getjson/username/{insertname}/password/{insertpassword}/f  
eed/{feed name}/lwin_type/{L-WIN type}/ full_order_depth//{true or false}
```

#### XML

```
https://datafeed.liv-  
ex.com/df/liveexchangeoffer/getxml/username/{insertname}/password/{insertpassword}/fe  
ed/{feed name}/lwin_type/{L-WIN type}/ full_order_depth//{true or false}
```

## Example response

### Live exchange bids

#### JSON

```
{ "liveBid": [
  {
    "lwin": "100784020081200750",
    "wineName": "Carruades Lafite",
    "region": "bdxr",
    "unitSize": "12x75cl",
    "vintage": "2008",
    "price": 1630.0,
    "qty": 1,
    "contractId": 206487,
    "livexWineCode": 160303,
    "lastChangeOn": "15112013",
    "yourWineId": "160303"
  }
]}
```

#### XML

```
<liveBids xmlns="http://datafeed.liv-ex.com/services"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://datafeed.liv-ex.com/services https://datafeed.liv-ex.com/schema/v1/services.xsd">
  <liveBid>
    <lwin>100784020081200750</lwin>
    <region>bdxr</region>
    <unitSize>12x75cl</unitSize>
    <vintage>2008</vintage>
    <wineName>Carruades Lafite</wineName>
    <contractId>206487</contractId>
    <lastChangeOn>15112013</lastChangeOn>
    <livexWineCode>160303</livexWineCode>
    <price>1630.0</price>
    <qty>1</qty>
    <yourWineId>160303</yourWineId>
  </liveBid>
</liveBids>
```

## Live exchange offers

### JSON

```
{ "liveOffer": [
  {
    "lwin": "100784020081200750",
    "wineName": "Carruades Lafite",
    "region": "bdxr",
    "unitSize": "12x75cl",
    "vintage": "2008",
    "price": 1700.0,
    "qty": 1, "contractId": 206854,
    "livexWineCode": 160303,
    "lastChangeOn": "06112013",
    "yourWineId": "160303"
  }
]}
```

### XML

```
<liveOffers xmlns="https://datafeed.liv-ex.com/services"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://datafeed.liv-ex.com/services https://datafeed.liv-
ex.com/schema/v1/services.xsd">
  <liveOffer>
    <lwin>100784020081200750</lwin>
    <region>bdxr</region>
    <unitSize>12x75cl</unitSize>
    <vintage>2008</vintage>
    <wineName>Carruades Lafite</wineName>
    <contractId>206854</contractId>
    <lastChangeOn>06112013</lastChangeOn>
    <livexWineCode>160303</livexWineCode>
    <price>1700.0</price>
    <qty>1</qty>
    <yourWineId>160303</yourWineId>
  </liveOffer>
</liveOffers>
```

### 3. Error responses

#### E000 Internal server error

##### JSON

```
{ "error": [
  {
    "code": "E001",
    "message": "Internal server error"
  }
]}
```

##### XML

```
<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/schema/v1/services.xsd">
  <error>
    <code>E000</code>
    <message>Internal server error</message>
  </error>
</errors>
```

#### E001 Service not found

This message shows up if the system can't find the service for your call. This is mostly related to a typo in the REST link structure.

##### JSON

```
{ "error": [
  {
    "code": "E001",
    "message": "Service not found"
  }
]}
```

##### XML

```
<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/schema/v1/services.xsd">
  <error>
    <code>E001</code>
    <message>Service not found</message>
  </error>
</errors>
```

**E002 Merchant not found**

Username or password doesn't match. Please make sure you have entered both correctly.

**JSON**

```
{ "error": [
  {
    "code": "E002",
    "message": "Merchant not found"
  }
]}
```

**XML**

```
<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/schema/v1/services.xsd">
  <error>
    <code>E002</code>
    <message>Merchant not found</message>
  </error>
</errors>
```

**E003 Merchant feed not found**

The feed you are trying to access is not set up for your account.

**JSON**

```
{ "error": [
  {
    "code": "E003",
    "message": "Merchant feed not found"
  }
]}
```

**XML**

```
<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/schema/v1/services.xsd">
  <error>
    <code>E003</code>
    <message>Merchant feed not found</message>
  </error>
</errors>
```