



## Liv-ex Membership API Documentation

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## 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.

## Liv-ex Bid & Offer feed

### Request Parameters

Parameter	Mandatory	Description
username	yes	Username provided by Liv-ex
password	yes	Password provided by Liv-ex
feed	Yes	Feed name provided by Liv-ex
lwin_type	Yes	L-WIN type 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	Yes	<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}/feed/{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}/feed/{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}/feed/{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", "yourWineld": "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>  
    <yourWineld>160303</yourWineld>  
  </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", "yourWineld": "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>  
    <yourWineld>160303</yourWineld>  
  </liveOffer>  
</liveOffers>
```

## Error responses:

### E000 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>
```

#### JSON:

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

### 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.

#### 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>
```

#### JSON:

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

**E002 Merchant not found:**

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

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>
```

JSON:

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

**E003 Merchant feed found:**

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

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>
```

JSON:

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