



Percentage Market Price change API documentation

Contents

Introduction	Error! Bookmark not defined.
What is L-WIN?	Error! Bookmark not defined.
About.....	1
Technology.....	Error! Bookmark not defined.
Authentication Process	Error! Bookmark not defined.
Server Error	Error! Bookmark not defined.
Service Summary.....	Error! Bookmark not defined.
Sample Request	2
Sample Response:	3
Alternative flows	Error! Bookmark not defined.

Introduction

About

Liv-ex possesses the world's largest standardized database of fine wine prices. By collating thousands of prices on a daily basis, Liv-ex ensures that its data is accurate and up to date. All Liv-ex prices, unless otherwise stated, exclude duty, local sales tax and delivery and are for wines in good condition packed in their original cases.

This web service will allow data feed subscribers to request the percentage change of the Market Price between a specific data and today. The service allows a maximum of 50 L-WIN11s per request.

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

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 **yellow** and *surrounded by brackets*

Client Configuration requirement

To set up the indices 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 percentage Market Price change service

Request Parameter:

The percentage Market Price difference service can be accessed using this URL <http://datafeed.liv-ex.com/df/marketpricediff/>. Depending on your viewing preferences you can request the data to be delivered in JSON or XML by adding /getjson or /getxml respectively. The token (provided by Liv-ex), LWIN11 and the date you would like to compare today's Market Price to, are mandatory in this request.

Parameter	Mandatory	Format	Description
token	Yes		Supplied by the Liv-ex
lwin11	Yes	L-WIN11	Up to 50 different L-WIN11s can be included in each request. Multiple L-WIN11s have to be separated by a comma.
date	Yes	yyyy-mm-dd	This should be supplied in the specified format to get the correct result.

Sample Request

Request for single L-WIN11.

JSON REQUEST

```
https://datafeed.liv-ex.com/df/marketpricediff/getjson/token/{token supplied by Liv-ex}/lwin11/{L-WIN11}/date/{comparison date}
```

XML REQUEST

```
https://datafeed.liv-ex.com/df/marketpricediff/getxml/token/{token supplied by Liv-ex}/lwin11/{L-WIN11}/date/{comparison date}
```

Request with multiple L-WIN 11 numbers

JSON REQUEST

```
https://datafeed.liv-ex.com/df/marketpricediff/getjson/token/{token supplied by Liv-ex}/lwin11/{L-WIN11},{L-WIN18}/date/{comparison date}
```

XML REQUEST

```
https://datafeed.liv-ex.com/df/marketpricediff/getxml/token/{token supplied by Liv-ex}/lwin11/{L-WIN11},{L-WIN18}/date/{comparison date}
```

Sample Response:

Result with single L-WIN 11 present in the request

JSON

```
{ "changeFrom": "2013-01-12",  
  "changes": [{"lwin11": "10159552008",  
               "percentageChange": 6.76,  
               "error": null}] }
```

XML

```
<marketPriceDifference xmlns="https://datafeed.liv-ex.com/services"  
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="https://datafeed.liv-  
ex.com/services https://datafeed.liv-ex.com/schema/v1/services.xsd">  
  <changeFrom>2013-01-12</changeFrom>  
  <changes>  
    <lwin11>10159552008</lwin11>  
    <percentageChange>6.76</percentageChange>  
  </changes>  
</marketPriceDifference>
```

Result with multiple L-WIN18s present in the request

JSON

```
{ "changeFrom": "2013-01-12",  
  "changes": [{"lwin11": "10159552008",  
               "percentageChange": 6.76,  
               "error": null},  
             {"lwin11": "10118722006",  
               "percentageChange": 6.31,  
               "error": null}] }
```

XML

```
<marketPriceDifference xmlns="https://datafeed.liv-ex.com/services"  
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="https://datafeed.liv-  
ex.com/services https://datafeed.liv-ex.com/schema/v1/services.xsd">
```

```

    <changeFrom>2013-01-12</changeFrom>
    <changes>
      <lwin11>10159552008</lwin11>
      <percentageChange>6.76</percentageChange>
    </changes>
    <changes>
      <lwin11>10118722006</lwin11>
      <percentageChange>6.31</percentageChange>
    </changes>
  </marketPriceDifference>

```

Error responses

E000: Internal server error

If you receive this response there is an issue on our server. Currently our data feeds have an uptime from 99.9% and you should not receive this error message. However, if you receive this message please contact the data team (data@liv-ex.com) and we will fix this issue as soon as possible.

JSON

```

{"error": [{
  "code": "E000",
  "message": " Internal server error "
}]}

```

XML

```

<?xml version="1.0" encoding="UTF-8"?>
<errors xmlns="https://datafeed.liv-ex.com/services" xmlns:xsi="https://www.w3.org/2001/XMLSchema-
instance" xsi:schemaLocation="https://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>

```

E002: Access denied, Either token or IP address or service not mapped

Error code when the IP, token and service combination is not valid. Please review the IP address for which the service is registered and the token provided by Liv-ex. If the problem still exists please send us the link you are using to request the data to data@liv-ex.com.

JSON

```
{  
  "error": {  
    "code": "E002",  
    "message": "Access denied, Either token or IP address or service not mapped"  
  }  
}
```

XML

```
<?xml version="1.0" encoding="UTF-8"?>  
<errors xmlns="https://datafeed.liv-ex.com/services" xmlns:xsi="https://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="https://datafeed.liv-ex.com/service/schema/v1/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>
```

R001: No data found

Unfortunately we don't have received any prices for this wine vintage combination yet.

JSON

```
{  
  "changeFrom": "2013-01-12",  
  "changes": {  
    "lwin11": "10159552013",  
    "percentageChange": null,  
    "error": {  
      "code": "R001",  
      "message": "No data found"  
    }  
  }  
}
```

XML

```
<marketPriceDifference xmlns="https://datafeed.liv-ex.com/services"  
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="https://datafeed.liv-ex.com/services https://datafeed.liv-ex.com/service/schema/v1/services.xsd">
```

```
<changeFrom>2013-01-12</changeFrom>
<changes>
  <lwin11>10159552013</lwin11>
  <error>
    <code>R001</code>
    <message>No data found</message>
  </error>
</changes>
</marketPriceDifference>
```

V001: Mandatory field missing

A mandatory field is missing or it spelled wrong. Please make sure that you have added the parameters correctly.

JSON

```
{"error": [{"code": "V001", "message": "Mandatory field missing"}]}
```

XML

```
<?xml version="1.0" encoding="UTF-8"?>
<errors xmlns="https://datafeed.liv-ex.com/services" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="https://datafeed.liv-ex.com/service/schema/v1/services.xsd">
  <error>
    <code>V001</code>
    <message>Mandatory field missing</message>
  </error>
</errors>
```

V002: Wrong date format

JSON

```
{"error": [{"code": "V002",
```



```
"message": " Wrong date format. Date should be 'yyyy-MM-dd'"
}}}
```

XML

```
<?xml version="1.0" encoding="UTF-8"?>
<errors xmlns="https://datafeed.liv-ex.com/services" xmlns:xsi="https://www.w3.org/2001/XMLSchema-
instance" xsi:schemaLocation="https://datafeed.liv-ex.com/services http://datafeed.liv-
ex.com/service/schema/v1/services.xsd">
  <error>
    <code>V002</code>
    <message> Wrong date format. Date should be 'yyyy-MM-dd'</message>
  </error>
</errors>
```

V003: Invalid L-WIN

JSON

```
{"changeFrom":"2012-05-11",
  "changes":[{"lwin11":"1015955",
    "percentageChange":null,
    "error":{"code":"V003","message":"Invalid L-WIN number"}}
]}
```

XML

```
<marketPriceDifference xmlns="https://datafeed.liv-ex.com/services"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="https://datafeed.liv-
ex.com/services https://datafeed.liv-ex.com/schema/v1/services.xsd">
  <changeFrom>2013-01-12</changeFrom>
  <changes>
    <lwin11>1015955203</lwin11>
    <error>
      <code>V003</code>
      <message>Invalid L-WIN number</message>
    </error>
  </changes>
```

```
</marketPriceDifference>
```

V004: L-WIN 7 does not exist

JSON

```
{  
  "changeFrom": "2012-05-11",  
  "changes": [{  
    "lwin11": "20159552008",  
    "percentageChange": null,  
    "error": {  
      "code": "V004",  
      "message": "L-WIN 7 doesn not exist"  
    }  
  }]  
}
```

XML

```
<marketPriceDifference xmlns="https://datafeed.liv-ex.com/services"  
  xmlns:xsi="https://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="https://datafeed.liv-  
  ex.com/services http://datafeed.liv-ex.com/schema/v1/services.xsd">  
  <changes>  
    <lwin11> 20159552008</lwin11>  
    <error>  
      <code>V004</code>  
      <message> L-WIN 7 does not exist</message>  
    </error>  
  </changes>  
</marketPriceDifference >
```

V005: Request exceeds allowed limit

JSON

```
{  
  "error": {  
    "code": "V005",  
    "message": " Number of comma separated L-WIN should not exceed limit specified "  
  }  
}
```

XML

```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<errors xmlns="https://datafeed.liv-ex.com/services" xmlns:xsi="https://www.w3.org/2001/XMLSchema-  
instance" xsi:schemaLocation="https://datafeed.liv-ex.com/services http://datafeed.liv-  
ex.com/service/schema/v1/services.xsd">  
  <error>  
    <code>V005</code>  
    <message> Number of comma separated L-WIN should not exceed limit specified</message>  
  </error>  
</errors>
```