



L-WIN API documentation

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## Introduction

### About

L-WIN is a universal wine code designed to drive efficiency and accuracy in all fine wine trade operations. L-WIN – the Liv-ex Wine Identification Number – is a unique numerical code that serves as a universal wine identifier for the wine trade. It enables warehouse operators, merchants, data providers and the trade to quickly and accurately identify wines by talking the same language.

This web service will allow merchants to search for L-WINs and their associated wine information. Using both the “like” and “exact” search service, a user will be view the wine information in a clear, structured, and standardized format.

### 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 in red

### 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.

## Get L-WIN service

### Request Parameter

The get L-WIN service can be accessed using this URL <https://www.l-win.com/service/searchlwin>. Depending on your viewing preferences you can request the data to be delivered in JSON or XML by adding /getjson or /getxml respectively. The table below shows the valid request parameters. If wine `Wine` and `Your ID` parameters are provided, `Your ID` will be used to find a match for the wine.

Inputs	Mandatory?	Description
Token	Yes	Will be supplied by Liv-ex
Wine	Yes if `Your ID` is not provided	Wine description
Your ID	Yes if `Wine` is not provided	Client's wine code
Producer	N	Producer of the wine
Country	N	Country of Origin of the wine
Region	N	Wine Region
Sub_region	N	Wine Sub region
Type	N	Wine Type- Still, Sparkling, fortified, etc
Designation	N	Designation of the wine
Classification	N	Classification of the wine
Colour	N	Wine color -red, white, rose
Vintage	N	Vintage
Bottles	N	Number of bottles in a case (12, 6, 3, 1, etc)
Size	N	Size of the bottles displayed in cl (37.5, 75, 150, 300, etc)
Exact	N	True (yes) or False (no)

Depending on your input the system will return the equivalent L-WIN. Missing or invalid inputs of the parameters vintage, bottles or size will have an impact on the returned L-WIN.

L-WIN code Type	Wine Match found?	Valid Vintage?	Valid Size?	Valid Bottles?
L-WIN 18	Y	Y	Y	Y

L-WIN code Type	Wine Match found?	Valid Vintage?	Valid Size?	Valid Bottles?
L-WIN 16	Y	Y	Y	N

L-WIN code Type	Wine Match found?	Valid Vintage?	Valid Size?	Valid Bottles?
L-WIN 11	Y	Y	N	N

L-WIN code Type	Wine Match found?	Valid Vintage?	Valid Size?	Valid Bottles?
L-WIN 7	Y	N	N	N

## Sample Request

### JSON

```
https://www.l-win.com/service/searchlwin/getjson/token/{token supplied by Liv-  
ex}/wine/{wine name}/producer/{producer name}/country/{country name}/region/{region}/sub_region/{sub  
region}/type/{type}/designation/{designation}/classification/{classification}/colour/{colour}/vintage/{vintag  
e}/bottles/{bottle per case}/size/{bottle size in centiliters}/your_id/{your id}
```

### XML

```
https://www.l-win.com/service/searchlwin/getxml/token/{token supplied by Liv-  
ex}/wine/{wine name}/producer/{producer name}/country/{country name}/region/{region}/sub_region/{sub  
region}/type/{type}/designation/{designation}/classification/{classification}/colour/{colour}/vintage/{vintag  
e}/bottles/{bottle per case}/size/{bottle size in centiliters}/your_id/{your id}
```

## Sample Response

Exact match:

### JSON

```
{"lwin": [  
  {"country": "France",  
    "region": "Alsace",  
    "subRegion": "NA",  
    "colour": "NA",  
    "type": "NA",  
    "designation": "AOC",  
    "classification": "NA",  
    "producer": "NA",  
    "label": "Petrus",  
    "wine": "NA, Petrus",  
    "lwinNumber": "117054620121275000"}]}
```

### XML

```
<?xml version="1.0" encoding="UTF-8"?>  
<response xmlns="https://www.l-win.com/services" xmlns:xsi="https://www.w3.org/2001/XMLSchema-instance"  
xsi:schemaLocation="https://www.l-win.com/services https://www.l-win.com/service/schema/v1/services.xsd">  
<lwin>  
<classification>NA</classification>  
<colour>NA</colour>
```

```
<country>France</country>
<designation>AOC</designation>
<label>Petrus</label>
<lwinNumber>117054620121275000</lwinNumber>
<producer>NA</producer>
<region>Alsace</region>
<subRegion>NA</subRegion>
<type>NA</type>
<wine>NA, Petrus</wine>
</lwin>
</response>
```

Multiple matches:

JSON

```
{"lwin": [
  { "country": "France",
    "region": "Alsace",
    "subRegion": "NA",
    "colour": "NA",
    "type": "NA",
    "designation": "AOC",
    "classification": "NA",
    "producer": "NA",
    "label": "Petrus",
    "wine": "NA, Petrus",
    "lwinNumber": "117054620121275000", },
  {"country": "Austria",
    "region": "Niederosterreich",
    "subRegion": "Kamptal",
    "colour": "NA",
    "type": "NA",
    "designation": "DAC",
    "classification": "NA",
    "producer": "NA",
    "label": "Petrus",
    "wine": "NA, Petrus",
```

```
"lwinNumber": "117055920121275000", }
```

```
}]
```

## XML

```
<?xml version="1.0" encoding="UTF-8"?>
<response xmlns="https://www.l-win.com/services" xmlns:xsi="https://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="https://www.l-win.com/services https://www.l-win.com/service/schema/v1/services.xsd">
  <lwin>
    <classification>NA</classification>
    <colour>NA</colour>
    <country>France</country>
    <designation>AOC</designation>
    <label>Petrus</label>
    <lwinNumber>117054620121275000</lwinNumber>
    <producer>NA</producer>
    <region>Alsace</region>
    <subRegion>NA</subRegion>
    <type>NA</type>
    <wine>NA, Petrus</wine>
  </lwin>
  <lwin>
    <classification>NA</classification>
    <colour>NA</colour>
    <country>Austria</country>
    <designation>DAC</designation>
    <label>Petrus</label>
    <lwinNumber>117055920121275000</lwinNumber>
    <producer>NA</producer>
    <region>Niederosterreich</region>
    <subRegion>Kamptal</subRegion>
    <type>NA</type>
    <wine>NA, Petrus</wine>
  </lwin>
</response>
```

## Get L-WIN updates

### Request Parameter

The get L-WIN updates service can be accessed using this URL <https://www.l-win.com/service/lwinupdate>.

Depending on your viewing preferences you can request the data to be delivered in JSON or XML by adding /getjson or /getxml respectively. The table below shows the valid request parameters:

Inputs	Mandatory?	Description
Update_From	Yes	Date from which the L-WIN update is required ('yyyy-mm-dd')

### Sample Request

#### JSON

```
https://www.l-win.com/service/lwinupdate/getjson/token/{ token supplied by Liv-  
ex}/update_from/{update_from<yyyy-MM-dd >}
```

#### XML

```
https://www.l-win.com/service/lwinupdate/getxml/token/{ token supplied by Liv-  
ex}/update_from/{update_from<yyyy-MM-dd>}
```

### Sample Response

#### JSON

```
{  
  "lwin": [  
    {  
      "country": "France",  
      "region": "Burgundy",  
      "subRegion": "Saint Aubin",  
      "colour": "White",  
      "type": "Still",  
      "designation": "AOC",  
      "classification": "1er Cru",  
      "producer": "Francois Carillon",  
      "label": "Saint AubinCharmois",  
      "wine": "Francois Carillon, Saint AubinCharmois",  
      "lwinNumber": "1170591",  
      "reference": null,  
      "activeStatus": "Live"  
    }  
  ]  
}
```



```

"country": "France",
"region": "Burgundy",
"subRegion": "PulignyMontrachet",
"colour": "White",
"type": "Still",
"designation": "AOC",
"classification": "NA",
"producer": "Francois Carillon",
"label": "PulignyMontrachet",
"wine": "Francois Carillon, PulignyMontrachet",
"lwinNumber": "1170605",
"reference": "1172315",
"activeStatus": "Combined"}

```

```

}]

```

## XML

```

<?xml version="1.0" encoding="UTF-8"?>
<response xmlns="https://www.l-win.com/services" xmlns:xsi="https://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="https://www.l-win.com/services https://www.l-win.com/service/schema/v1/services.xsd">
<lwin>
<classification>NA</classification>
<colour>NA</colour>
<country>France</country>
<designation>AOC</designation>
<label>Petrus</label>
<lwinNumber>117054620121275000</lwinNumber>
<producer>NA</producer>
<region>Alsace</region>
<subRegion>NA</subRegion>
<type>NA</type>
<wine>NA, Petrus</wine>
</lwin>
<lwin>
<classification>NA</classification>
<colour>NA</colour>
<country>Austria</country>

```

```

<designation>DAC</designation>
<label>Petrus</label>
<lwinNumber>117055920121275000</lwinNumber>
<producer>NA</producer>
<region>Niederosterreich</region>
<subRegion>Kamptal</subRegion>
<type>NA</type>
<wine>NA, Petrus</wine>
</lwin>
</response>

```

## Get Wine details

### Request Parameter

The get L-WIN serie can be accessed using this URL <https://www.l-win.com/service/searchbylwin>. Depending on your viewing preferences you can request the data to be delivered in JSON or XML by adding /getjson or /getxml respectively. The table below shows the valid request parameters:

Inputs	Mandatory?	Description
Token	Yes	Will be supplied by Liv-ex
lwin	Yes	L-WIN7

### Sample Request

#### JSON

```

https://www.l-win.com/service/searchbylwin/getjson/token/{token supplied by Liv-ex}/lwin/{L-WIN}

```

#### XML

```

https://www.l-win.com/service/searchbylwin/getxml/token/{token supplied by Liv-ex}/lwin/{L-WIN}

```

### Sample Response

#### JSON

```

{"result":
  [{"lwin": "1013850",
    "producer": "NA",

```

```
"label": "Pavie",
"wine": "NA, Pavie",
"country": "France",
"region": "Bordeaux",
"subRegion": "Saint Emilion",
"type": "Still",
"color": "Red",
"designation": "AOC",
"classification": "1er Grand Cru Classe A",
"status": "Live",
"reference": null,
"timeEdited": "08/06/2011 00:00:00"}}}
```

### XML

```
<response xmlns="https://liv-ex.com/services" xmlns:xsi="https://www.w3.org/2001/XMLSchema-
instance" xsi:schemaLocation="https://www.l-win.com/services https://www.l-
win.com/service/schema/v1/services.xsd">
  <result>
    <classification>1er Grand Cru Classe A</classification>
    <color>Red</color>
    <country>France</country>
    <designation>AOC</designation>
    <label>Pavie</label>
    <lwin>1013850</lwin>
    <producer>NA</producer>
    <reference xsi:nil="true"/>
    <region>Bordeaux</region>
    <status>Live</status>
    <subRegion>Saint Emilion</subRegion>
    <timeEdited>08/06/2011 00:00:00</timeEdited>
    <type>Still</type>
    <wine>NA, Pavie</wine>
  </result>
</response>
```

## 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 are monitoring the performance closely so you should not receive this error message. However, if you get this message please contact the data team ([data@liv-ex.com](mailto:data@liv-ex.com)) and we will fix the issue as soon as possible.

#### JSON

```
{  
  "error": {  
    "code": "E000",  
    "message": " Internal server error "  
  }  
}
```

#### XML

```
<?xml version="1.0" encoding="UTF-8"?>  
<errors xmlns="https://www.l-win.com/services" xmlns:xsi="https://www.w3.org/2001/XMLSchema-instance"  
  xsi:schemaLocation="https://www.l-win.com/services https://www.l-win.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](mailto: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://www.l-win.com/services" xmlns:xsi="https://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="https://www.l-win.com/services https://www.l-win.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>
```

### **V001: Mandatory field missing**

A mandatory field is missing or the request parameter is 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://www.l-win.com/services" xmlns:xsi="https://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="https://www.l-win.com/services https://www.l-win.com/service/schema/v1/services.xsd">
  <error>
    <code>V001</code>
    <message>Mandatory field missing</message>
  </error>
</errors>
```

## R001: No result found

Unfortunately we couldn't find a result for your request. Please check your search criteria

### JSON

```
{ "result": [{  
  "code": "R001",  
  "message": "No result found"  
}] }
```

### XML

```
<?xml version="1.0" encoding="UTF-8"?>  
<response xmlns="https://www.l-win.com/services" xmlns:xsi="https://www.w3.org/2001/XMLSchema-instance"  
  xsi:schemaLocation="https://www.l-win.com/services https://www.l-win.com/service/schema/v1/services.xsd">  
  <result>  
    <code>R001</code>  
    <message>No result found</message>  
  </result>  
</response>
```