



Liv-ex Professional 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. 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"> - LWIN7 - LWIN11 - LWIN16 - LWIN18
Wine_code_include	Yes	<ul style="list-style-type: none"> - True: includes Liv-ex code in your feed - False: no Liv-ex code in your feed
full_order_depth	Yes	<ul style="list-style-type: none"> - True: all bids / offers - False: best bids / offers

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}/wine_code_include/{true or false}/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}/wine_code_include/{true or false}/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}/wine_code_include/{true or false}/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}/wine_code_include/{true or false}/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>
```

Liv-ex Current Pricing

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"> - LWIN7 - LWIN11 - LWIN16 - LWIN18
Wine_code_include	Yes	<ul style="list-style-type: none"> - True: includes Liv-ex code in your feed - False: no Liv-ex code in your feed
avg_offex_price	Yes	<ul style="list-style-type: none"> - True: includes average Offex price - False: doesn't include average Offex price

Example requests:

JSON

```
https://datafeed.liv-ex.com/df/pricingandreserves/getjson/username/{insertname}/password/{insertpassword}/feed/{feed name}/lwin_type/{L-WIN type}/wine_code_include/{true or false}/avg_offex_price/{true or false}
```

XML

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

Example response:

JSON

```
{"pricingAndReserve": [{"lwin": "100784020081200750", "wineName": "Carruades Lafite", "region": "Bordeaux(Red)", "unitSize": "12x75cl", "vintage": "2008", "livexId": "160303", "yourId": "160303", "marketPrice": "1800.0"}
```

```
"marketPriceDate": "18112013",
"averageListPrice": 1961.0,
"averageListQty": 198,
"benchmarkTradePrice": 1640.0,
"benchmarkTradeDate": "06112013",
"averageAuctionPrice": null,
"averageOffexPrice": null}}}
```

XML

```
<pricingAndReserves xmlns="https://datafeed.liv-
ex.com/services" xmlns:xsi="https://www.w3.org/2001/XMLSchema-
instance" xsi:schemaLocation="http://datafeed.liv-ex.com/services https://datafeed.liv-
ex.com/schema/v1/services.xsd">
<pricingAndReserve>
<lwin>100784020081200750</lwin>
<region>Bordeaux (Red)</region>
<unitSize>12x75cl</unitSize>
<vintage>2008</vintage>
<wineName>Carruades Lafite</wineName>
<averageAuctionPrice xsi:nil="true"/>
<averageListPrice>1961.0</averageListPrice>
<averageListQty>198</averageListQty>
<averageOffexPrice xsi:nil="true"/>
<benchmarkTradeDate>06112013</benchmarkTradeDate>
<benchmarkTradePrice>1640.0</benchmarkTradePrice>
<livexId>160303</livexId>
<marketPrice>1800.0</marketPrice>
<marketPriceDate>18112013</marketPriceDate>
<yourId>160303</yourId>
</pricingAndReserve>
</pricingAndReserves>
```


Liv-ex Trade Pricing

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"> - LWIN7 - LWIN11 - LWIN16 - LWIN18
Wine_code_include	Yes	<ul style="list-style-type: none"> - True: includes Liv-ex code in your feed - False: no Liv-ex code in your feed

Example requests:

JSON

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

XML

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

Example response:

JSON

```
{
  "marketPlace":
  [
    {
      "lwin": "100784020081200750",
      "wineName": "Carruades Lafite",
      "region": "Bordeaux(Red)",
      "unitSize": "12x75cl",
      "vintage": "2008",
      "livexId": "160303",
      "yourId": "160303",
      "contractType": "SIB",
      "bestBidPrc": "1640.0",
      "bestBidTime": null,
    }
  ]
}
```

```
"bestBidQty":5,
"bestOfferPrc":1700.0,
"bestOfferTime":null,
"bestOfferQty":1,
"lastTradePrc":1640.0,
"lastTradeQty":1,
"lastTradeDate":"06112013"},
}]
```

XML

```
<marketPlaces xmlns="http://datafeed.liv-ex.com/services" xmlns:xsi="https://www.w3.org/2001/XMLSchema-
instance" xsi:schemaLocation="http://datafeed.liv-ex.com/services https://datafeed.liv-
ex.com/schema/v1/services.xsd">
<marketPlace>
<lwin>100784020081200750</lwin>
<region>Bordeaux (Red)</region>
<unitSize>12x75cl</unitSize>
<vintage>2008</vintage>
<wineName>Carruades Lafite</wineName>
<bestBidPrc>1640.0</bestBidPrc>
<bestBidQty>5</bestBidQty>
<bestBidTime xsi:nil="true"/>
<bestOfferPrc>1700.0</bestOfferPrc>
<bestOfferQty>1</bestOfferQty>
<bestOfferTime xsi:nil="true"/>
<contractType>SIB</contractType>
<lastTradeDate>06112013</lastTradeDate>
<lastTradePrc>1640.0</lastTradePrc>
<lastTradeQty>1</lastTradeQty>
<livexId>160303</livexId>
<yourId>160303</yourId>
</marketPlace>
</marketPlaces>
```

Error responses:

E000 Internal server error:

XML:

```
<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 https://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="https://datafeed.liv-ex.com/services" xmlns:xsi="https://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="https://datafeed.liv-ex.com/services https://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="https://datafeed.liv-ex.com/services" xmlns:xsi="https://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="https://datafeed.liv-ex.com/services https://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:

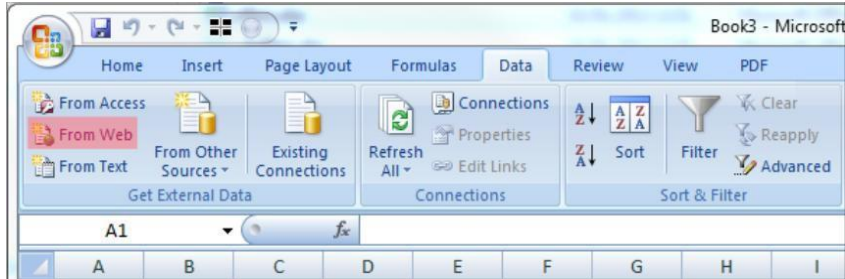
```
<errors xmlns="https://datafeed.liv-ex.com/services" xmlns:xsi="https://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="https://datafeed.liv-ex.com/services https://datafeed.liv-ex.com/schema/v1/services.xsd">
<error>
<code>E003</code>
<message>Merchant feed not found</message>
</error>
</errors>
```

JSON:

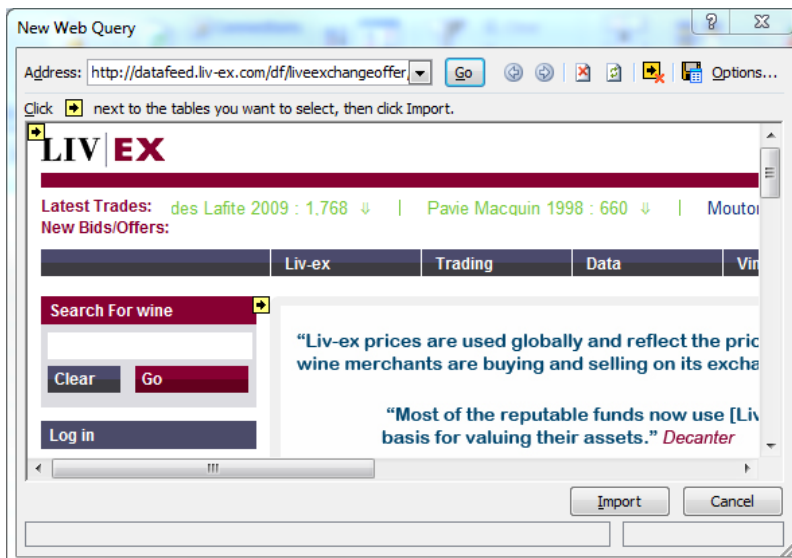
```
{"error":{"code":"E003","message":"Merchant feed not found"}}
```

Integrate your feed into Excel

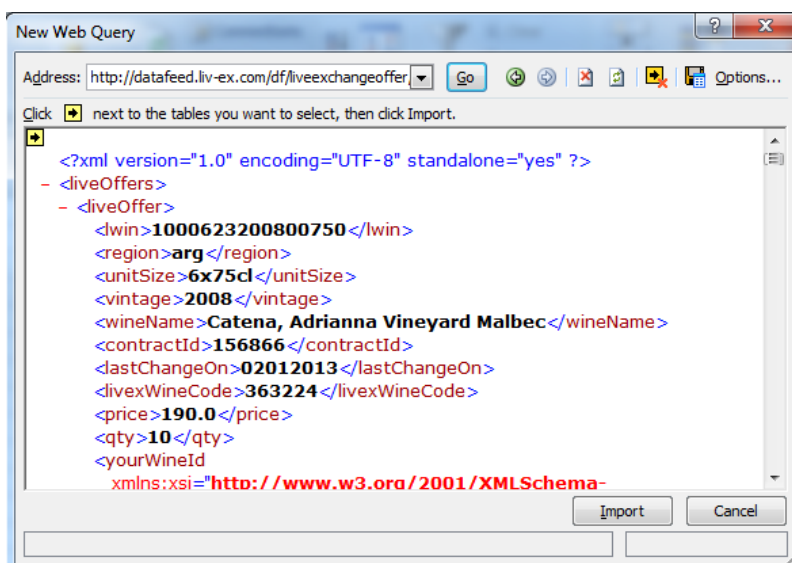
- Open Excel, go to the “Data” tab and select “From Web” under the “Get external data section”.



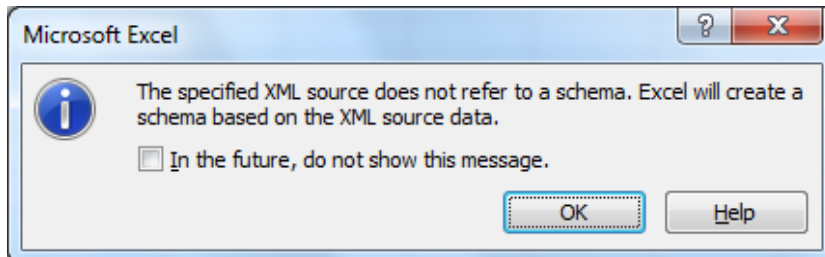
- Copy the URL of your data feed and past it into the “Address” box and press “Go”.



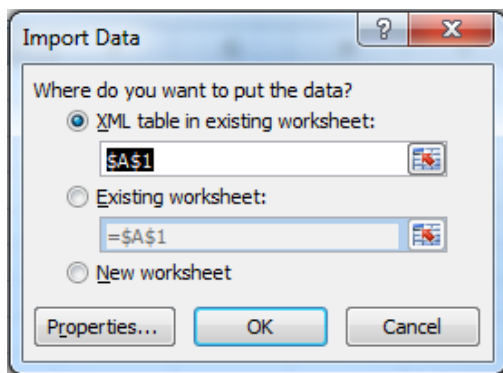
- The feed is then loading into the new window. Please select import now.



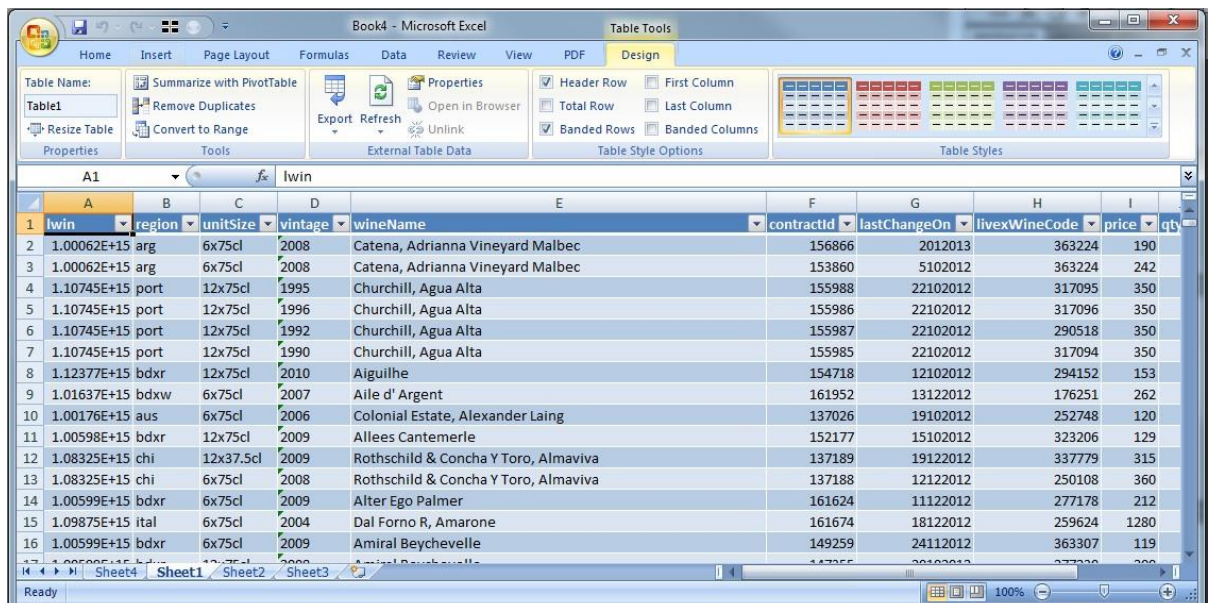
- If a window pops up stating that the XML source does not include schema information, just click OK:



- Select where you want the data is imported to. Just keep the default setting “XML table in existing worksheet” and select OK.



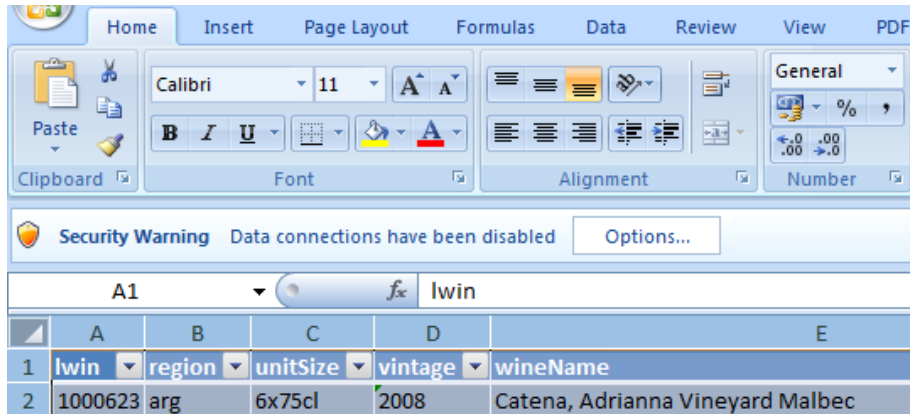
- Your whole data feed is now imported into Excel.



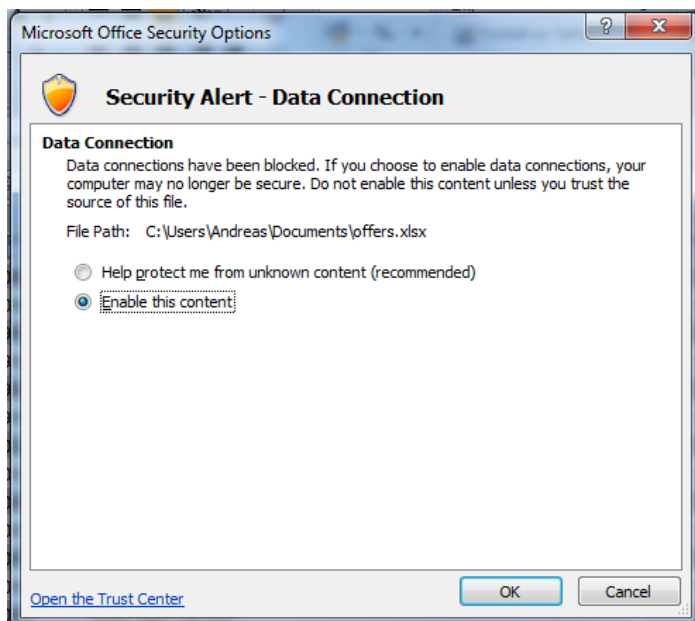
- You can save the file as a usual spreadsheet and access or update it any time. To update the data in your spreadsheet please have a look below.

Update your data manually using Excel

- Open the excel file as usual. A security warning that the “Data connections have been disabled” will show up. This is nothing to worry about, just select “Options”.



- Please make sure you have selected “Enable this content”.



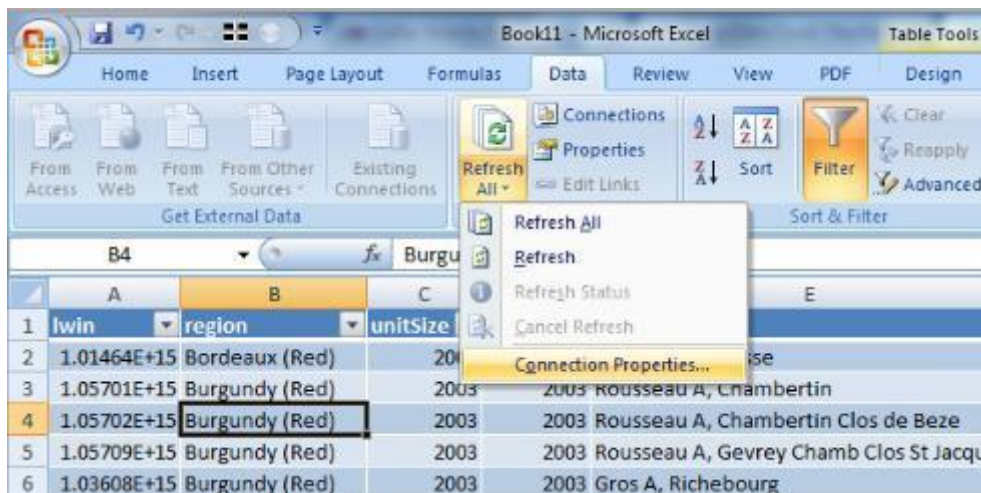
- Go to the “Data” tab in Excel and press the “Refresh all” button in the “Connections” section.



- The data in your spreadsheet will then be updated automatically.

Update your data automatically using Excel

- Open the spreadsheet where you have integrated your data feed.
- Make sure you have selected any cell of the table and go to the data tab. Then click on the arrow under the refresh all button and select "Connection Properties...".



- You can then select how often Excel should refresh the data in your spreadsheet. We recommend to refresh the data not too often as it may slow down other processes.

