

Commodity Essentials Excel Add-in

Introduction

The purpose of the Commodity Essentials (CE) Excel Add-in is to simplify the download of CE data into Excel, to easily refresh a query or refresh all queries in a given Excel sheet or workbook.

The Excel Add-in allows to use CE API queries as Excel formulas, allowing to dynamically generate API link based on other Excel cells.

Prerequisites

A subscription to Commodity Essentials data service is required.

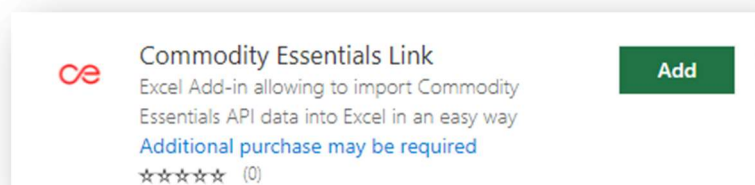
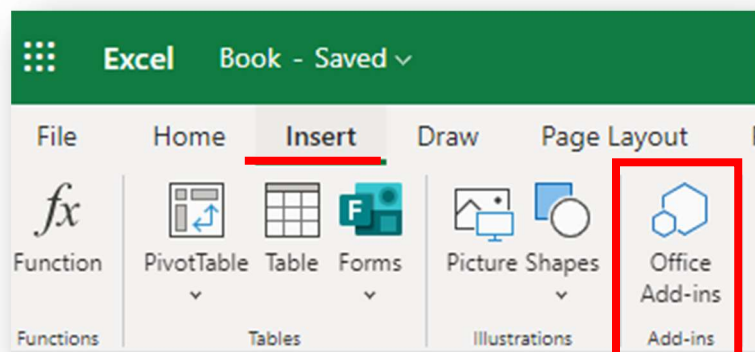
The Add-in works on the following Excel versions:

- Excel on Windows (Microsoft 365)
- Excel on the web
- Excel on Mac (Microsoft 365)
- Excel 2019 or later on Mac

Getting Started

Go to Office Store- Add-ins from the **insert tab** in your Excel.

Install Add-in “**Commodity Essentials Link**”

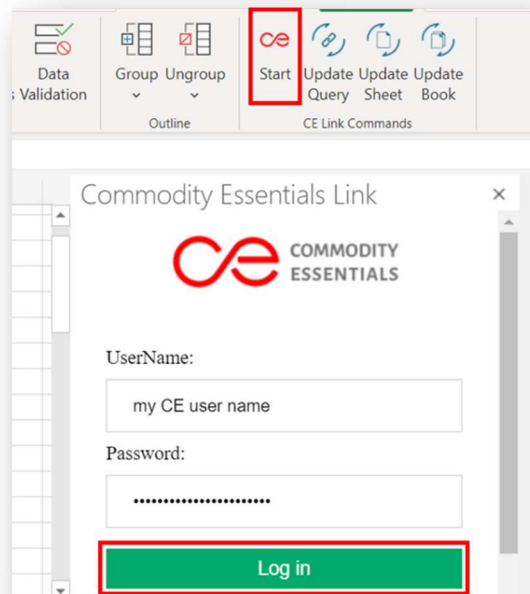


In Excel, go to **Data** tab where you will see **CE Link Commands** on top right-hand side.

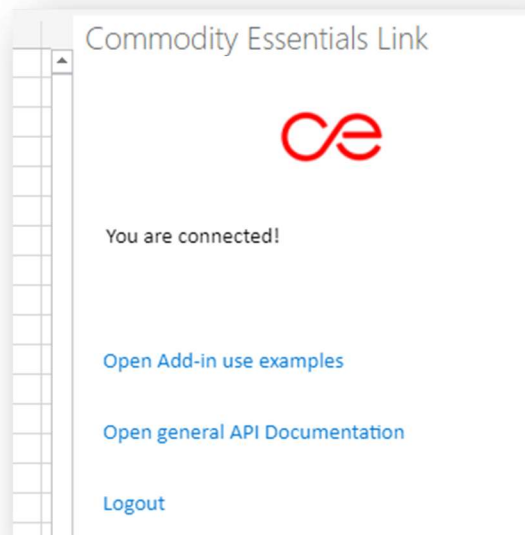


The first time you are using the Add-in you will need to:

- Click on **Start**
- Use your **CE user-account credentials to login**



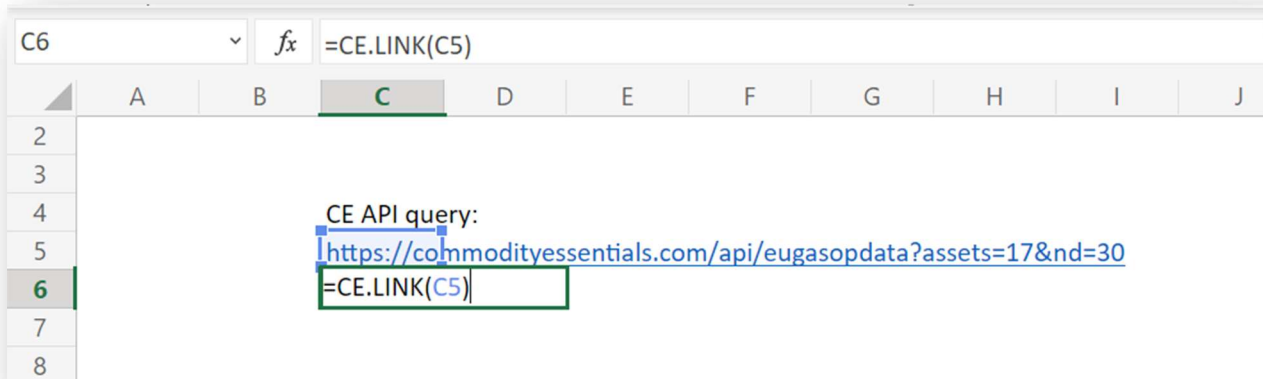
After successful login, you should see the message **“you are connected”**.



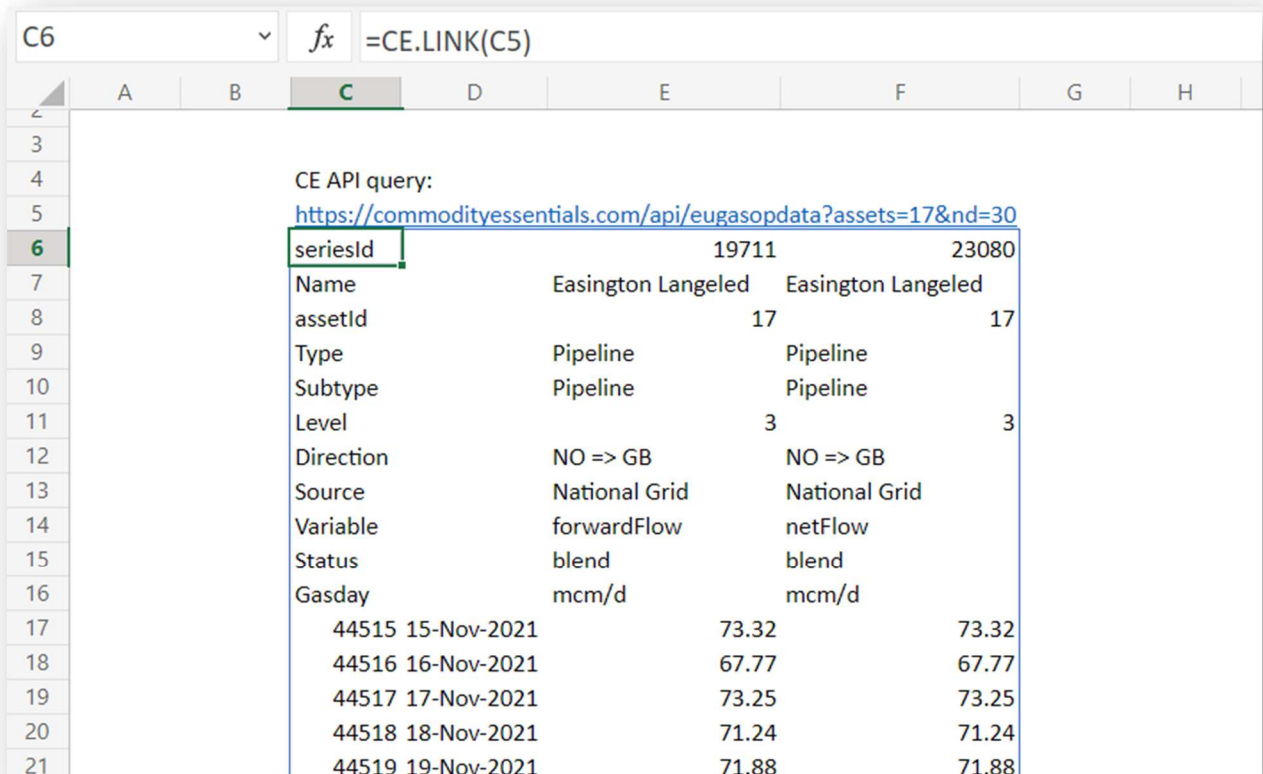
Once you are connected you can use **CE.LINK** as Excel formula to download CE data.

The easiest way is to directly use an API query link with the **CE.LINK** function.

Query Example 1. Copy an API link into an Excel cell and refer to that cell from the **CE.LINK** function.



If the link is correct the **CE.LINK** formula should return a table with the data:

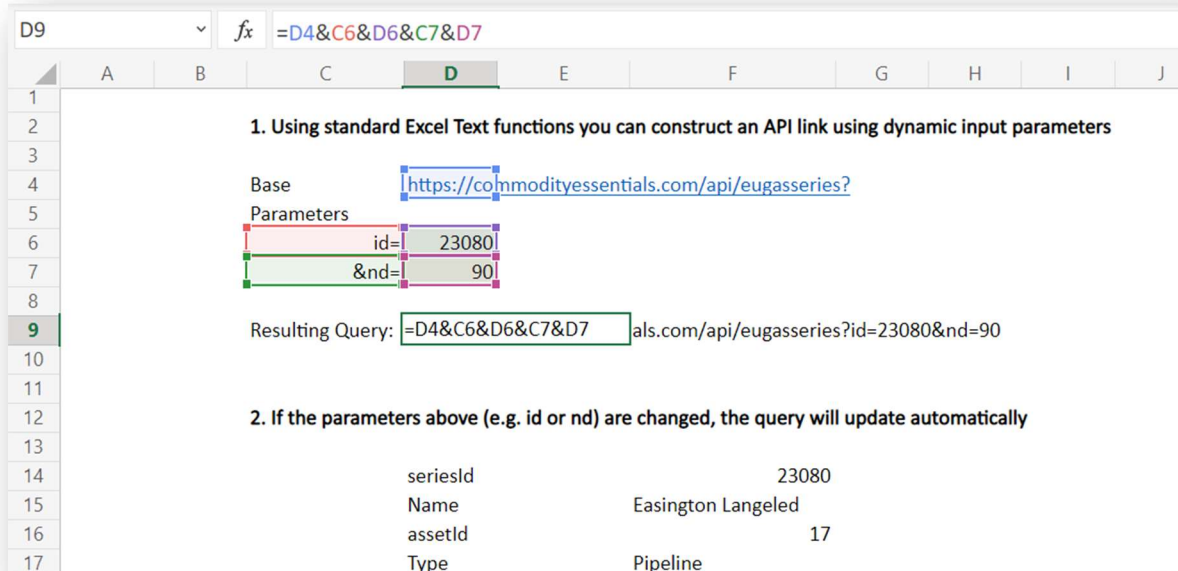


seriesId	19711	23080
Name	Easington Langeled	Easington Langeled
assetId	17	17
Type	Pipeline	Pipeline
Subtype	Pipeline	Pipeline
Level	3	3
Direction	NO => GB	NO => GB
Source	National Grid	National Grid
Variable	forwardFlow	netFlow
Status	blend	blend
Gasday	mcm/d	mcm/d
44515 15-Nov-2021	73.32	73.32
44516 16-Nov-2021	67.77	67.77
44517 17-Nov-2021	73.25	73.25
44518 18-Nov-2021	71.24	71.24
44519 19-Nov-2021	71.88	71.88

This Excel Add-in open interesting possibilities such as dynamically building the API query link based on the values of other cells in Excel.

In the following example, the query link is generated dynamically by concatenating the different text elements such as the parameters.

Query Example 2. The API link is generated dynamically from parameters provided by other Excel cells



The screenshot shows an Excel spreadsheet with the following content:

	A	B	C	D	E	F	G	H	I	J
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										

Formula bar: `=D4&C6&D6&C7&D7`

1. Using standard Excel Text functions you can construct an API link using dynamic input parameters

Base: <https://commodityessentials.com/api/eugasseries?>

Parameters:

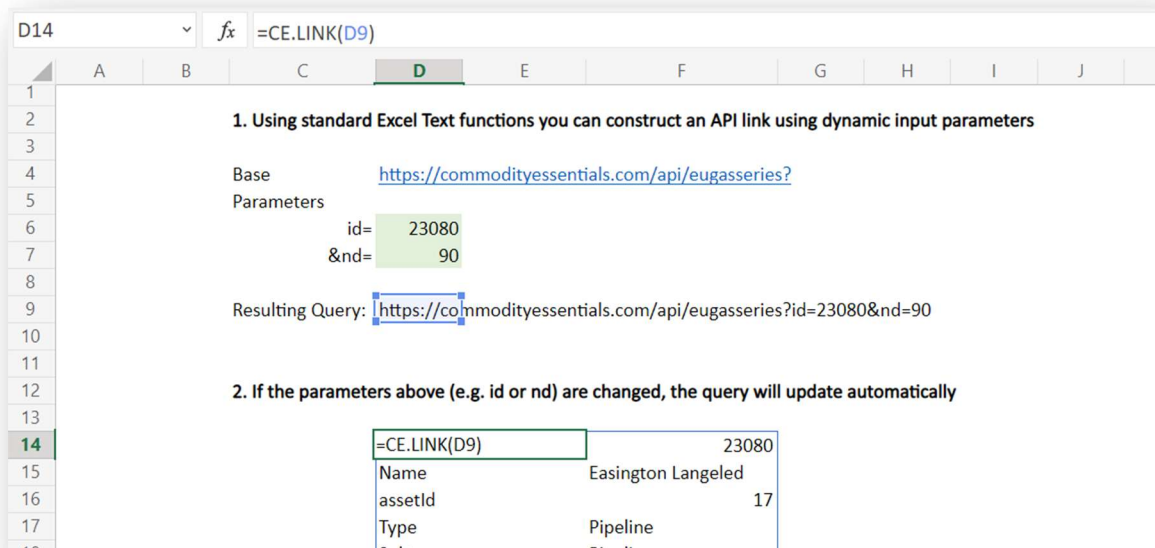
id=	23080
&nd=	90

Resulting Query: `=D4&C6&D6&C7&D7` [als.com/api/eugasseries?id=23080&nd=90](https://commodityessentials.com/api/eugasseries?id=23080&nd=90)

2. If the parameters above (e.g. id or nd) are changed, the query will update automatically

seriesId	23080
Name	Easington Langeled
assetId	17
Type	Pipeline

The **CE.LINK** formula will then point to the dynamically generated API link. If the parameters on the cells D6 or D7 change the data download will automatically update the query to the new parameters.



The screenshot shows an Excel spreadsheet with the following content:

	A	B	C	D	E	F	G	H	I	J
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										

Formula bar: `=CE.LINK(D9)`

1. Using standard Excel Text functions you can construct an API link using dynamic input parameters

Base: <https://commodityessentials.com/api/eugasseries?>

Parameters:

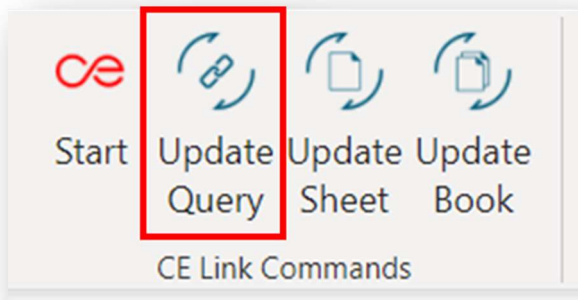
id=	23080
&nd=	90

Resulting Query: <https://commodityessentials.com/api/eugasseries?id=23080&nd=90>

2. If the parameters above (e.g. id or nd) are changed, the query will update automatically

<code>=CE.LINK(D9)</code>	23080
Name	Easington Langeled
assetId	17
Type	Pipeline

The Excel Add-in provides 3 practical buttons that can be found on Excel's data tab and that can be used to update the queries.



Using **Update Query** will update the query corresponding to the selected cell in Excel.

Other ways to update the current query is of course to press enter on the **CE.LINK** formula on the top-left cell of the query table.

If any of the data cells in the query is deleted (except the top-left cell containing the formula) the query will also update.

Update Sheet and **Update Book** can be used to refresh all **CE.LINK** queries in the Excel sheet or workbook respectively.

For any technical questions regarding the Excel Add-in please contact:

support@commodityessentials.com