

FD - [CORE] Salesforce Exchange rate update

Status	DRAFT
Release date	
Issues	

Last modified date	Last modified by	Comment
Romain BABLOT	10 Jan 2023	Creation

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- 2/ Prerequisite
- 3/ Update Process
 - Step 1 : Extract data from BW
 - Step 2.1 - Monthly Rate Update
 - Step 2.2 - Yearly Rate Update
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 - Step 4 : Run the Update
 - Step 2 - Yearly rate Update

0/ Process

1/ Summary

This objective of this page is to describe step by step the process of update the Salesforce Exchange rate based on the SAP BW data.

This process is trigger by the business to create Service One ticket to request the update

2/ Prerequisite

1/ This process is triggered by a business user that request the update of the Salesforce exchange rate. [Click Here to review the process to create that request](#)

2/ User that will perform this process must have the following access :

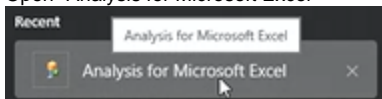
- Access to BW query : BW_QRY_DAFICE01_0001
- Access to Salesforce as an Admin Line in order to be able to **select** following salesforce object :
 - *CurrencyType*
 - *DatedConversionRate*
- Access to Salesforce Connector

3/ Update Process

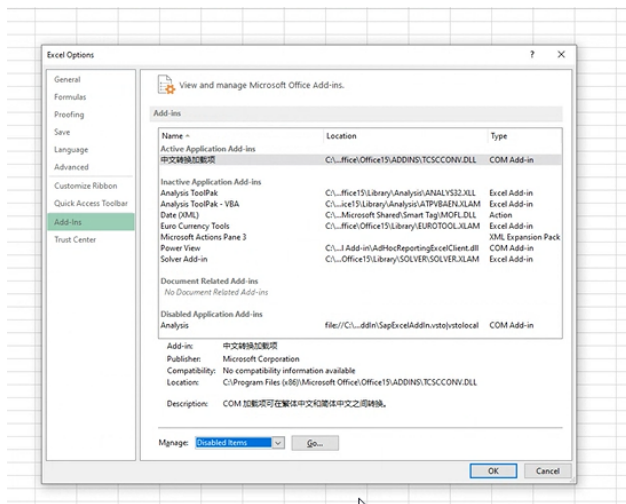
Step 1 : Extract data from BW

Access the BW Query : BW_QRY_DAFICE01_0001 (WBP NB-Netback authorization) and extract its content to a GSheet.

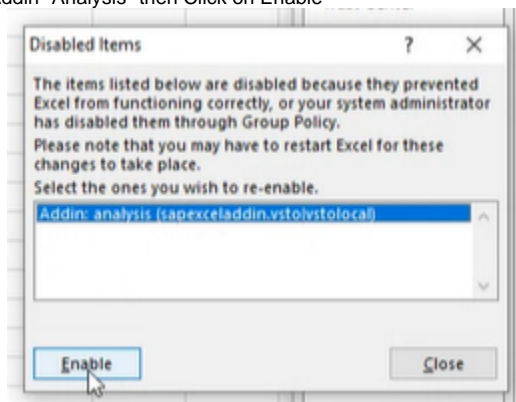
- Open "Analysis for Microsoft Excel"



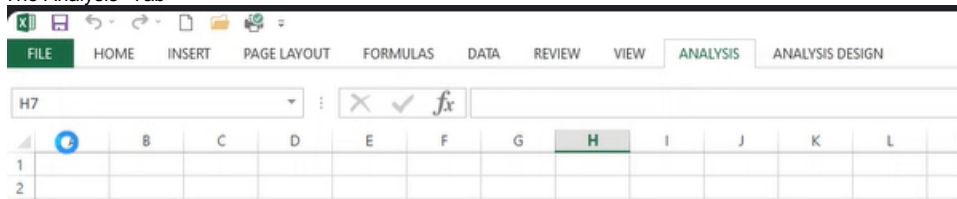
- Open Excel
- Access Excel option and Addin, Manage : "disable items" then Go



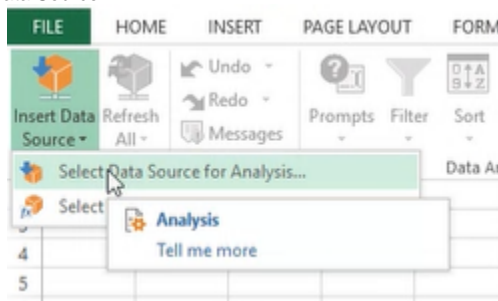
- Select Addin "Analysis" then Click on Enable



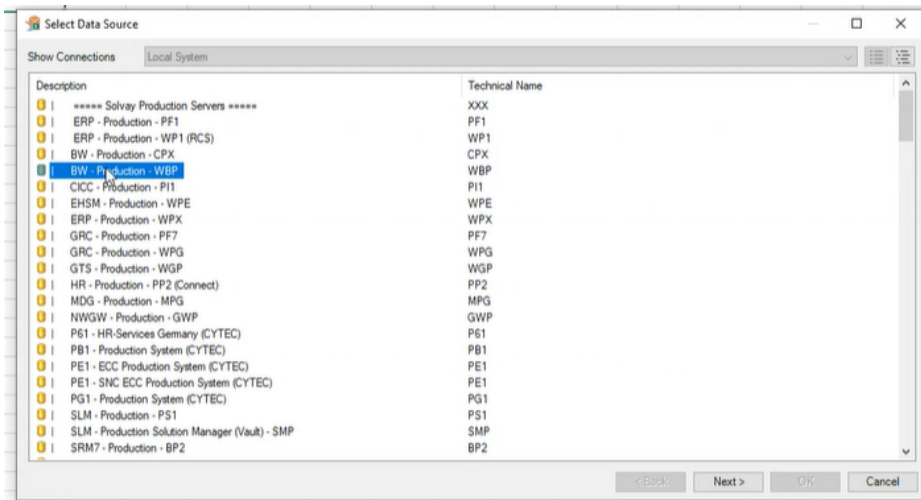
- Click OK
- Close Excel
- Open Excel
 - Access "The Analysis" Tab



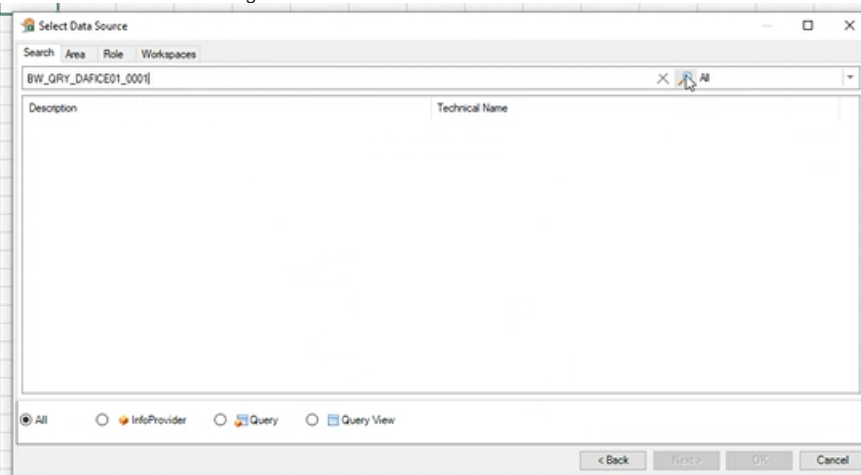
- Select Data Source :



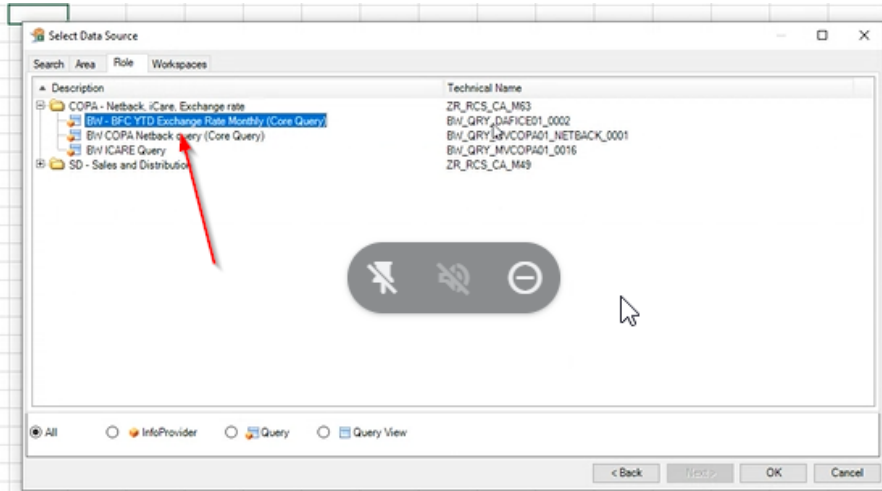
- Select BW - Product - WBP



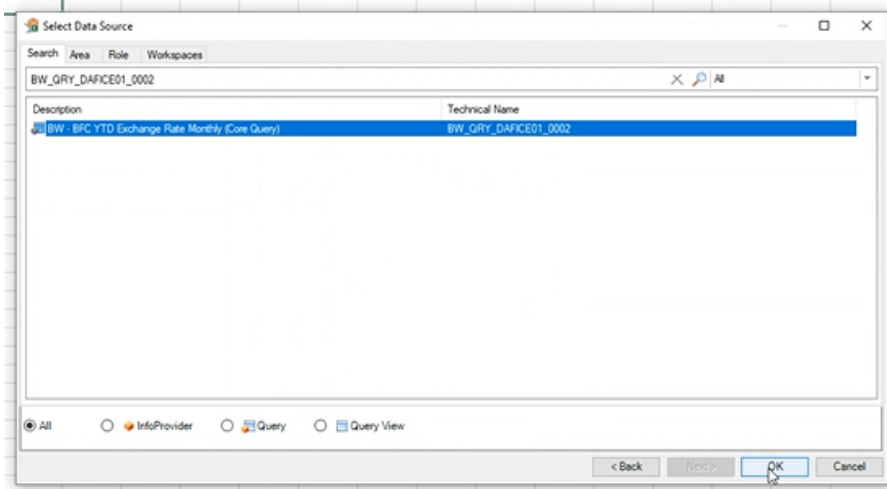
- Click on Next
 - (single sign on should log in)
- In the Search set the value "BW_QRY_DAFICE01_0001" or if not working "BW_QRY_DAFICE01_0002"
- then click on the Search Icon on the right



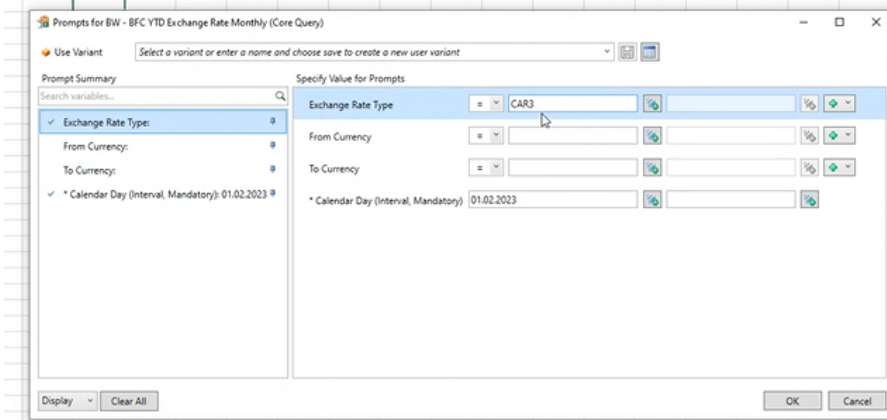
- if nothing happen
- Select ROLE then



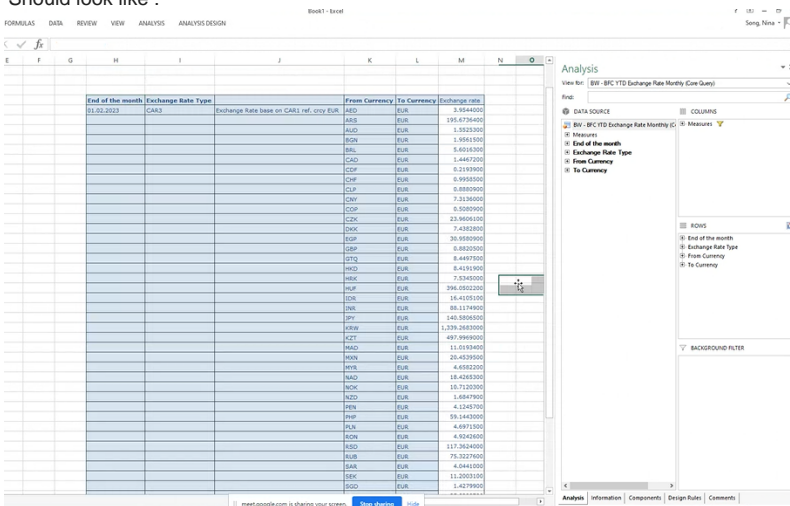
- Click OK

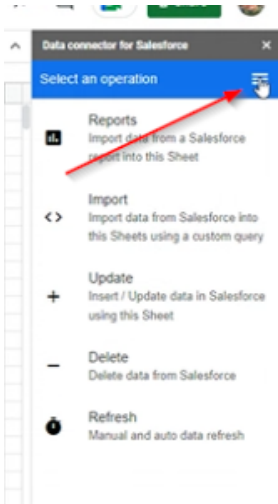


- Set the first day of the month with the format Day.Month.Year (1.2.2023) + Exchange Rate type (CAR3 = Monthly Exchange rate, CAR4 = Yearly Exchange rate)



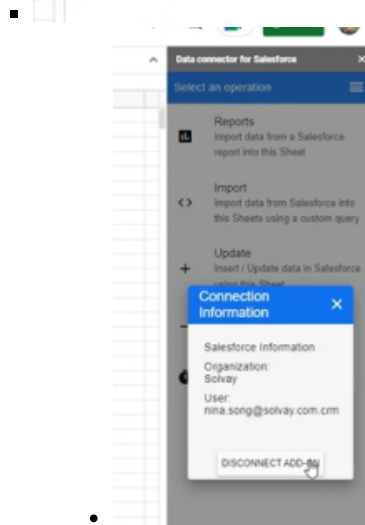
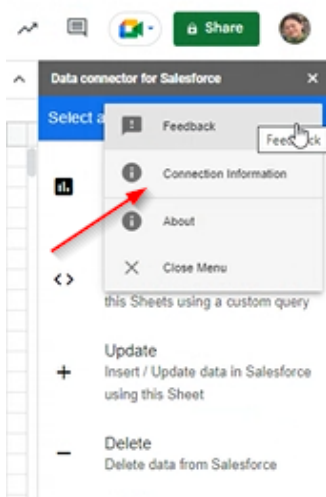
- For Monthly
 - Calendar day = First of the month
 - Exchange Rate type = CAR3
- For Yearly
 - Calendar day = First of the year
 - Exchange Rate type = CAR4
- Then Click on OK
- RESULT Should look like :



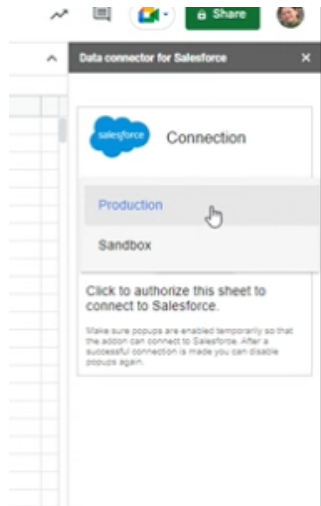


○ then Select

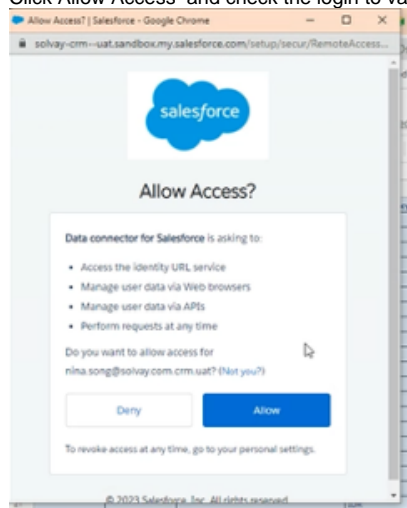
- Connection Information



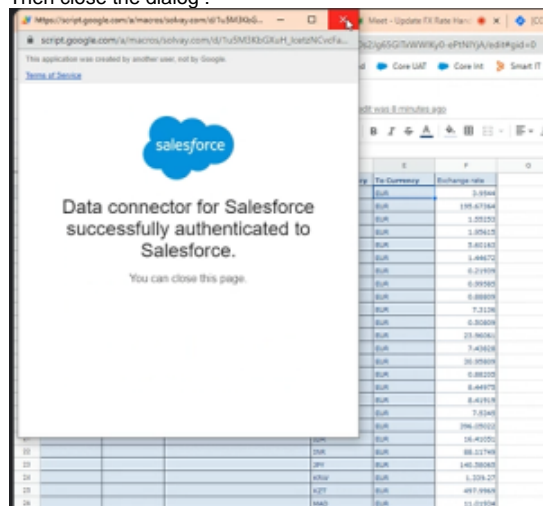
- If it is not the correct one, click on "Disconnect" and redo the process from the beginning
 - Select the correct Login & Environment :



- For UAT connect to Sandbox , then Authorize
- Click Allow Access and check the login to validate the environment.

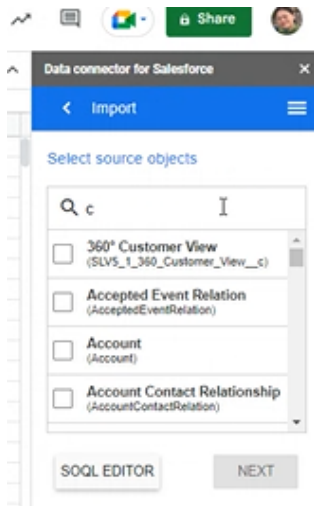


- Then close the dialog :

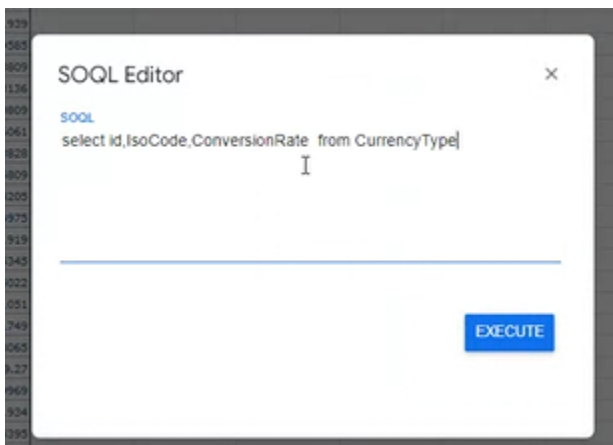


Now it's time to import existing record.

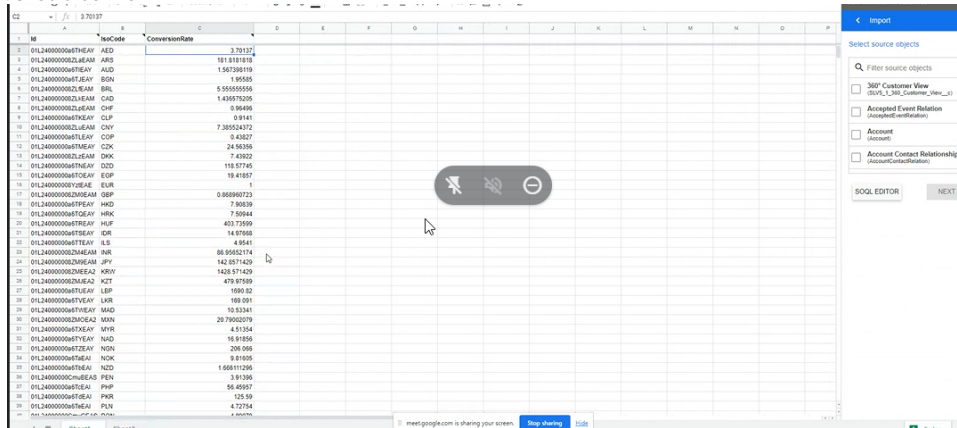
- Create a new SHEET
- Click Import then SQL EDITOR



- Paste the query :
 - `select id,IsoCode,ConversionRate from CurrencyType`



- Click on execute
 - the result should be like :



2.2 / Map the new *ConversionRate* field from the BW Extract based on UAT Sheet & in PRD Sheet :

- `CurrencyType.IsoCode = BWQuery.From Currency (column A)`

D2 fx =VLOOKUP(B2,Sheet2!D:F,3,false)

	A	B	C	D
1	Id	IsoCode	ConversionRate	
2	01L24000000a6THEAY	AED	3.70137	3.9544
3	01L24000000a6ZLAEAM	ARS	181.8181818	
4	01L24000000a6TIEAY	AUD	1.567398119	
5	01L24000000a6TJEAY	BGN	1.95585	
6	01L24000000a6ZLEAM	BRL	5.555555556	
7	01L24000000a6ZLKEAM	CAD	1.436575205	
8	01L24000000a6ZLpEAM	CHF	0.96496	
9	01L24000000a6TKEAY	CLP	0.9141	

- Expand the Vlookup.
- Note : It is normal if some VLookup retrieve N/A

B14 fx =D2

	A	B	C	D	E
1	Id	IsoCode	ConversionRate		
2	01L24000000a6THEAY	AED	3.70137	3.9544	
3	01L24000000a6ZLAEAM	ARS	181.8181818	195.87364	
4	01L24000000a6TIEAY	AUD	1.567398119	1.55253	
5	01L24000000a6TJEAY	BGN	1.95585	1.95615	
6	01L24000000a6ZLEAM	BRL	5.555555556	5.60163	
7	01L24000000a6ZLKEAM	CAD	1.436575205	1.44672	
8	01L24000000a6ZLpEAM	CHF	0.96496	0.99585	
9	01L24000000a6TKEAY	CLP	0.9141	0.88809	
10	01L24000000a6ZLUEAM	CNY	7.385524372	7.3136	
11	01L24000000a6TLEAY	CDP	0.43627	0.50809	
12	01L24000000a6TMEAY	CIK	24.66356	23.96061	
13	01L24000000a6ZLEAM	DKK	7.43622	7.43828	
14	01L24000000a6TNEAY	DTD	118.57745	#N/A	
15	01L24000000a6TDEAY	EGP	19.41857	30.95809	
16	01L24000000a6TAE	EUR	1	#N/A	
17	01L24000000a6ZMEAM	GBP	0.888960723	0.88205	
18	01L24000000a6TPEAY	HKD	7.90639	8.41919	
19	01L24000000a6TDEAY	HRK	7.50644	7.5345	
20	01L24000000a6TREAY	HUF	403.72599	396.95822	
21	01L24000000a6TSEAY	IDR	14.87668	16.41051	
22	01L24000000a6TTEAY	ILS	4.9541	#N/A	
23	01L24000000a6ZMEAM	INR	80.95852174	88.11749	
24	01L24000000a6ZMEAM	JPY	142.8571429	140.58065	
25	01L24000000a6ZMEAE2	KRW	1428.571429	1.339.27	
26	01L24000000a6ZMEAE2	KZT	479.87589	497.9969	
27	01L24000000a6TUEAY	LEP	1690.82	#N/A	
28	01L24000000a6TVEAY	LKR	169.091	#N/A	
29	01L24000000a6TIEAY	LMD	10.93361	11.01834	
30	01L24000000a6ZMOEAE2	MXN	20.7902079	20.45395	
31	01L24000000a6TIEAY	MYR	4.51354	4.65822	
32	01L24000000a6TIEAY	NAD	16.81856	18.42653	

- Column C Header should be renamed
 - "_ConversionRate"
- Column D Header should be renamed
 - "ConversionRate"

8 fx

	A	B	C	D	E
1	Id	IsoCode	_ConversionRate	ConversionRate	
2	01L24000000a6THEAY	AED	3.70137	3.9544	
3	01L24000000a6ZLAEAM	ARS	181.8181818	195.87364	
4	01L24000000a6TIEAY	AUD	1.567398119	1.55253	
5	01L24000000a6TJEAY	BGN	1.95585	1.95615	
6	01L24000000a6ZLEAM	BRL	5.555555556	5.60163	
7	01L24000000a6ZLKEAM	CAD	1.436575205	1.44672	
8	01L24000000a6ZLpEAM	CHF	0.96496	0.99585	
9	01L24000000a6TKEAY	CLP	0.9141	0.88809	
10	01L24000000a6ZLUEAM	CNY	7.385524372	7.3136	

- Column C Header should be renamed
 - "_ConversionRate"
- Column D Header should be renamed
 - "ConversionRate"

Step 2.2 - Yearly Rate Update

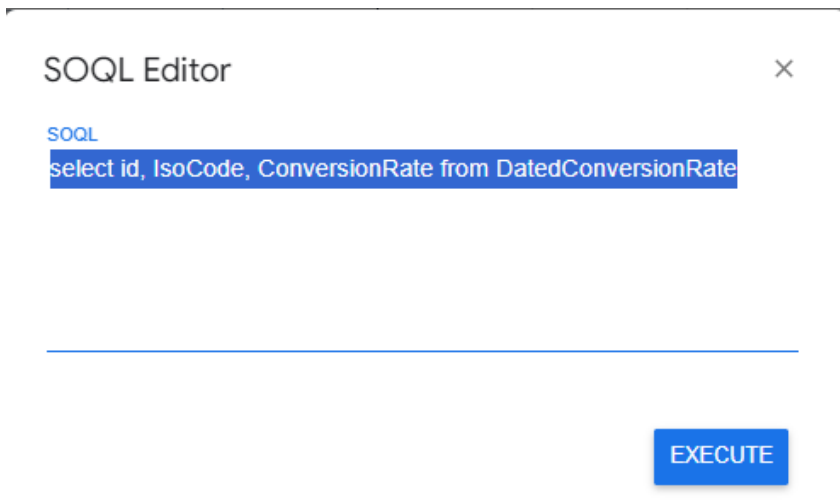
We are going to prepare the file to be loaded in UAT & PROD.

UAT & PROD must be setup in the same time.

In case of Yearly Rate, the start date is set by default to January 1st.

2.1 / From that GSheet extract the following in order to create a new Sheet :

select id, IsoCode, ConversionRate from DatedConversionRate

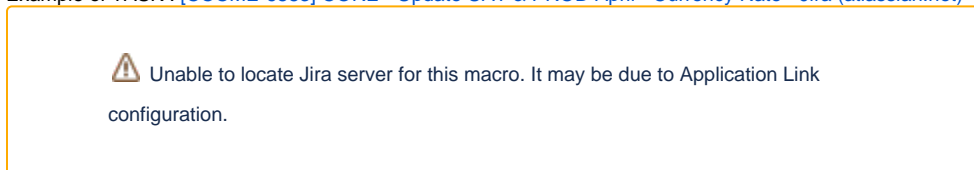


- BWQuery.From Currency (column A) ==> Column name : *"IsoCode"*
- BWQuery.Conversion rate ==> Column name : *"ConversionRate"*
 - BWQuery.Column of the requested year to be updated and apply the following formula :
 - if value < 0 then : apply -1 / value
- new Column ==> *"StartDate"* = date provided in the Service one request
- As we did for 2024, startdate was not able to update.

Step 3 : Create a Jira ticket for maitenance

On the Core Maintenance Jira : [CCCME board - Agile Board - Jira \(atlassian.net\)](#), create a TASK

Example of TASK : [\[CCCME-6883\] CORE - Update UAT & PROD April - Currency Rate - Jira \(atlassian.net\)](#)



Name of the task :

- For Monthly Update :
 - Monthly FX Rate Update *\$Month*
- For Yearly Update :
 - Yearly FX Rate Update *\$Year*

Description :

Please update the FX rate first in UAT then in PRD based on the following data :

Paste here the google sheet link

Once it it done, please add the result in the GSheet or tracking history.

Step 4 : Run the Update

Let's run the update

- Select The whole Values from A to D and the whole rows with values (do not select only Columns)

	A	B	C	D	E
1		AcCode	ConversionRate	ConversionRate	
2	01L24000004STHEAV	AED	3.79137	3.9544	
3	01L24000002LEAM	ARS	181.81818	186.87364	
4	01L24000004STHEAV	AUD	1.5873618	1.6525	
5	01L24000004STHEAV	BGN	1.9555	1.95515	
6	01L24000002LEAM	BRL	5.5555556	5.90103	
7	01L24000002LEAM	CAD	1.4367326	1.44872	
8	01L24000002LEAM	CHF	0.95495	0.99585	
9	01L24000004STHEAV	CLP	0.9141	0.93809	
10	01L24000002LEAM	CNY	7.38524372	7.7139	
11	01L24000004STHEAV	COP	0.43827	0.50009	
12	01L24000004STHEAV	CKK	24.56296	23.9691	
13	01L24000002LEAM	DKK	7.43922	7.43923	
14	01L24000004STHEAV	DKK	118.87745	#N/A	
15	01L24000004STHEAV	EGP	19.41857	30.95585	
16	01L24000004STHEAV	EUR	1	#N/A	
17	01L24000002LEAM	GBP	0.86880723	0.92025	
18	01L24000004STHEAV	HKD	7.80639	8.41919	
19	01L24000004STHEAV	HKD	7.80844	7.83491	
20	01L24000004STHEAV	HUF	403.73599	396.95522	
21	01L24000004STHEAV	IDR	14.07595	15.41951	
22	01L24000004STHEAV	ILS	4.9541	#N/A	
23	01L24000002LEAM	INR	88.8562374	88.11749	
24	01L24000002LEAM	JPY	142.871429	140.50985	
25	01L24000002LEAM	KRW	1428.571429	1.339.27	
26	01L24000002LEAM	KZT	479.87595	497.9995	
27	01L24000004STHEAV	LBP	1993.82	#N/A	
28	01L24000004STHEAV	LKR	189.091	#N/A	
29	01L24000004STHEAV	LKR	19.52341	11.81934	
30	01L24000002LEAM	MAD	20.7992079	20.45395	
31	01L24000004STHEAV	MAR	4.51254	4.85821	
32	01L24000004STHEAV	MAD	19.51895	19.42951	
33	01L24000004STHEAV	MEX	206.394	#N/A	
34	01L24000004STHEAV	MXN	0.81605	10.71261	
35	01L24000004STHEAV	NZD	1.68811296	1.68479	
36	01L24000002LEAM	PKR	3.81296	4.12681	
37	01L24000004STHEAV	PHP	56.45957	58.1441	
38	01L24000004STHEAV	PKR	128.89	#N/A	
39	01L24000004STHEAV	PLN	4.32754	4.69719	
40	01L24000004STHEAV	RON	4.7693	4.9749	
41	01L24000004STHEAV	RUB	61.4868	61.4868	

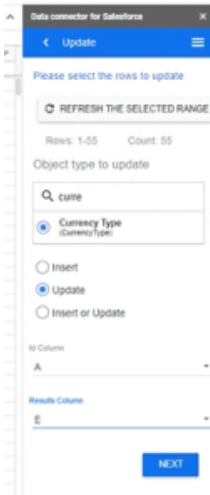
- In the Extension Click on back in order to get the menu

The screenshot shows the Google Sheets interface with the 'Data connector for Salesforce' extension menu open. The menu options include 'Import', 'SQL EDITOR', and 'NEXT'. A red arrow points to the 'Import' option. The background shows the same data table as in the previous image.

- Click on Update :

The screenshot shows the 'Data connector for Salesforce' menu with the 'Update' option selected. The menu options are: Reports, Import, Update, Delete, and Refresh. The 'Update' option is highlighted with a mouse cursor.

- Set the correct values



- Object type = Currency Type
- Update action
- ID Column should be A
- Result should be E
- Click on Next

2.3 / Run the update via the Salesforce inspector in UAT then in PRD.

Gsheet where the data loads are saved.

Salesforce Home **Data Import** / Romain Bablot / romain.bablot-ext@solvay.com.crm / Solvay

Use Tooling API?

Action: **Update** (with red arrow pointing to the dropdown)

Object: **CurrencyType** (with red arrow pointing to the field)

Format: Excel CSV

Data: (with red box "Paste from Gsheet here" and red arrow pointing to the input)

Field mapping:

Id
IsoCode
ConversionRate

Batch size: 200

Threads: 6

Buttons: Import, Cancel queued, Retry failed, Copy (Excel format), Copy (CSV), Copy options

Status: 54 Queued 0 Processing 0 Succeeded 0 Failed

	Id	IsoCode	ConversionRate
[CurrencyType]	01L24000000a6TjEAY	AED	3.70137
[CurrencyType]	01L2400000008ZLaEAM	ARS	137.4917
[CurrencyType]	01L24000000a6TjEAY	AUD	1.45067
[CurrencyType]	01L24000000a6TjEAY	BGN	1.95585
[CurrencyType]	01L240000008ZLjEAM	BRL	5.18953
[CurrencyType]	01L2400000008ZLkEAM	CAD	1.30254
[CurrencyType]	01L2400000008ZLpEAM	CHF	0.96496

2.4 / Close the Service One Request.

Step 2 - Yearly rate Update

2.2 / Copy the new sheet in Salesforce Inspector Import in order to INSERT new Records.

Do it first in UAT, then PRD

Salesforce Home **Data Import** / Romain Bablot / romain.bablot-ext@solway.com.cm / Solway

Use Tooling API?

Action: **Insert**

Object: **DatedConversionRate**

Format: Excel CSV

Data:

Batch size:

Threads:

Status: 54 Queued 0 Processing 0 Succeeded 0 Failed

	isoCode	ConversionRate	StartDate
DatedConversionRate	AED	4.11611	0000-12-30
DatedConversionRate	ARS	114.89	0000-12-30
DatedConversionRate	AUD	1.58	0000-12-30
DatedConversionRate	BGN	1.96	0000-12-30
DatedConversionRate	BRL	6.24	0000-12-30
DatedConversionRate	CAD	1.46	0000-12-30

Field mapping

isoCode
ConversionRate
StartDate

2.3 / Close the Service One Request.