

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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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 :

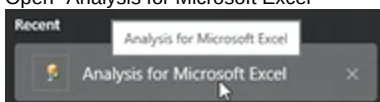
- Access to BW query : BW_QRY_DAFICE01_0001
- Access to Salesforce as an Admin Line in order to be able to **select** following salesforce object :
 - CurrencyType
 - DatedConversionRate
- Access to Salesforce Connector

3/ Update Process

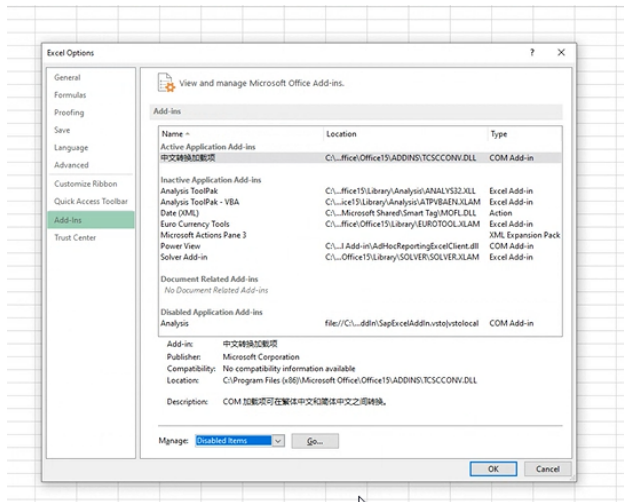
Step 1 : Extract data from BW

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

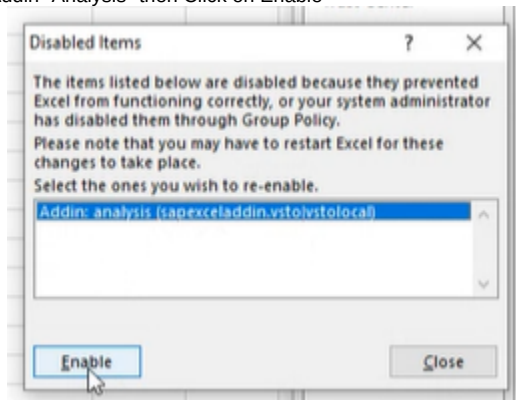
- Open "Analysis for Microsoft Excel"



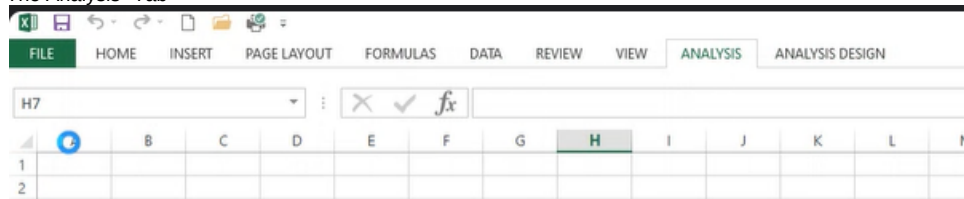
- Open Excel
- Access Excel option and Addin, Manage : "disable items" then Go



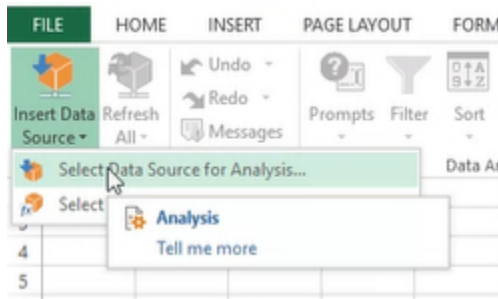
- Select Addin "Analysis" then Click on Enable



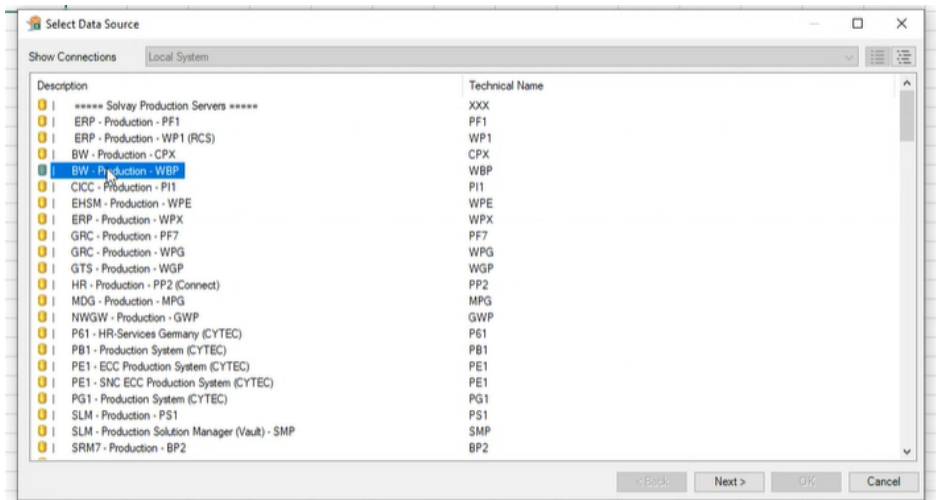
- Click OK
- Close Excel
- Open Excel
 - Access "The Analysis" Tab



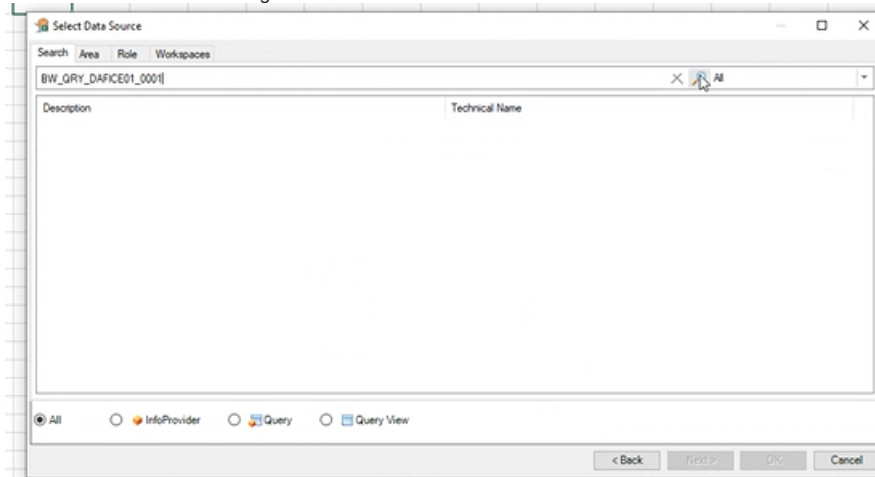
- Select Data Source :



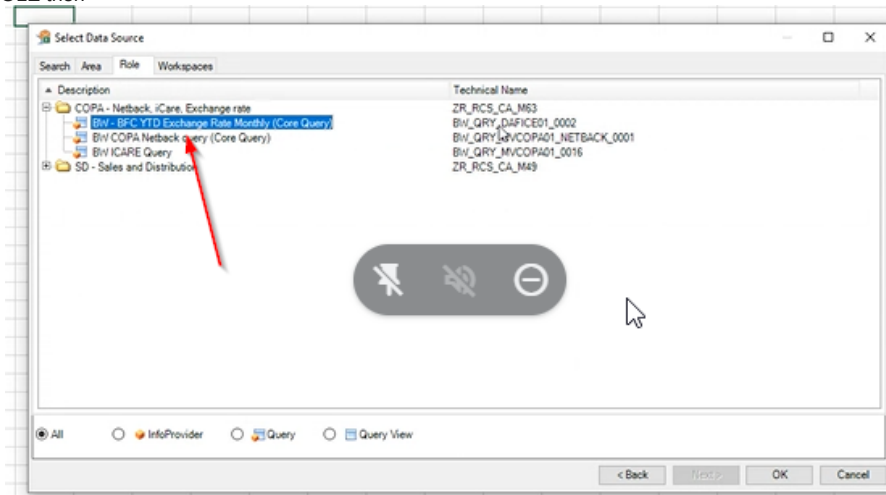
- Select BW - Product - WBP



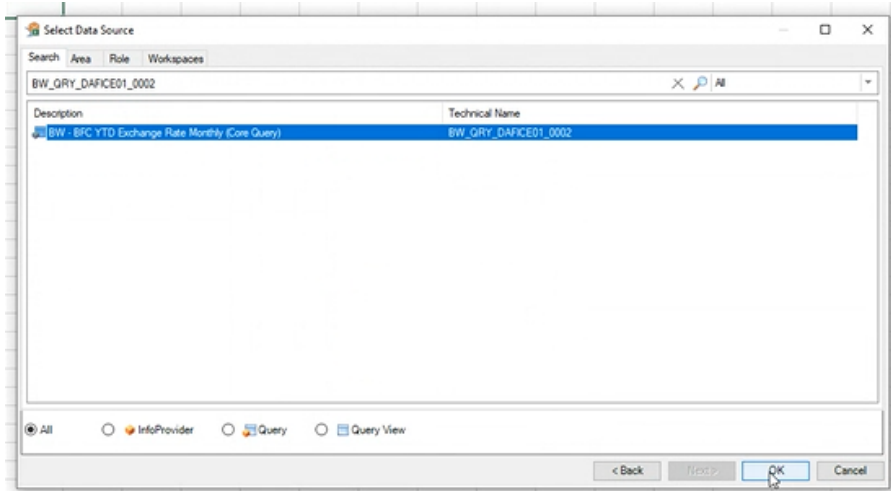
- Click on Next
 - (single signe on should log in)
- In the Search set the value "BW_QRY_DAFICE01_0001" or if not working "BW_QRY_DAFICE01_0002"
- then click on the Search Icon on the right



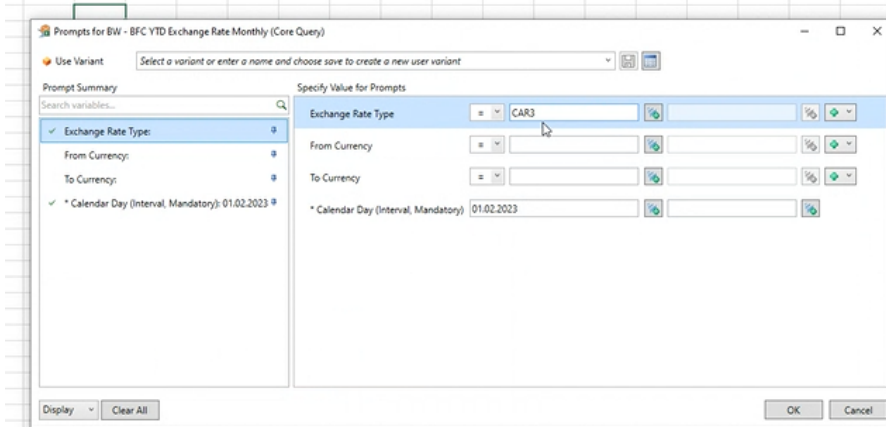
- if nothing happen
- Select ROLE then



- 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 :

Book1 - Excel

End of the month	Exchange Rate Type	From Currency	To Currency	Exchange rate
01.02.2023	CAR3	Exchange Rate based on CAR3 ref. city EUR		
		AED	EUR	3.6644000
		AES	EUR	195.4724000
		AUD	EUR	1.5832300
		BGN	EUR	1.9561100
		BRL	EUR	5.6016300
		CAD	EUR	1.4447200
		CHF	EUR	0.2193900
		COP	EUR	5.9883000
		CUP	EUR	0.8880900
		CZK	EUR	7.3186000
		DOP	EUR	8.5089900
		DKK	EUR	23.9606100
		EEK	EUR	7.4623200
		EGP	EUR	30.9800900
		GBP	EUR	0.8820200
		GTQ	EUR	8.4497700
		HKD	EUR	8.4316100
		HUF	EUR	7.2040000
		ILP	EUR	296.0202200
		INR	EUR	18.4101000
		ISK	EUR	68.1114900
		JPY	EUR	140.5806000
		KRW	EUR	1,139.2483000
		KZT	EUR	497.9899000
		LBP	EUR	11,0193400
		MXN	EUR	20.4203900
		MYR	EUR	4.6582200
		NAD	EUR	18.4243300
		NGN	EUR	18.1212000
		NIO	EUR	1.6847900
		PHP	EUR	4.1245700
		PLP	EUR	59.1440000
		PLN	EUR	4.6971200
		RON	EUR	4.9026000
		RSD	EUR	117.3624000
		SRB	EUR	75.2227000
		SAR	EUR	4.6841000
		SEK	EUR	11.2003100
		SOS	EUR	1.4027900

Analysis

View for: BW - BFC YTD Exchange Rate Monthly (Core Query)

Columns:

- End of the month
- Exchange Rate Type
- From Currency
- To Currency

Background Filter:

- End of the month
- Exchange Rate Type
- From Currency
- To Currency

The screenshot shows a Google Sheet with columns A through I. The data includes exchange rates for various currencies (AUD, EUR, GBP, etc.) against the US Dollar. A red box highlights the 'Exchange Rate' column (F). To the right, the 'Analysis' sidebar is open, showing the 'Salesforce Connector' extension. A red box highlights the 'Select All Members' option in the 'Filter By Member' dropdown.

Exchange Rate Type	From Currency	To Currency	Exchange Rate (F)	Current Exchange Rate	Ratio for From (G)	Ratio for To (G)
CAD\$	CAD	USD	0.75	0.75	1.000000	1.000000
EUR	EUR	USD	0.75	0.75	1.000000	1.000000
GBP	GBP	USD	0.75	0.75	1.000000	1.000000
JPY	JPY	USD	0.75	0.75	1.000000	1.000000
KRW	KRW	USD	0.75	0.75	1.000000	1.000000
MXN	MXN	USD	0.75	0.75	1.000000	1.000000
SGD	SGD	USD	0.75	0.75	1.000000	1.000000
THB	THB	USD	0.75	0.75	1.000000	1.000000
TRY	TRY	USD	0.75	0.75	1.000000	1.000000
USD	USD	USD	0.75	0.75	1.000000	1.000000
VND	VND	USD	0.75	0.75	1.000000	1.000000
ZAR	ZAR	USD	0.75	0.75	1.000000	1.000000

- Right click on Measures, chose "select all members"
- Copy Paste the whole table in a new GSheet to get the exchange rate
- final Exchange rate should be F multiply by G

From the Service One request, identify if the Yearly or the Monthly rate has to be updated. (select the correct step 2)

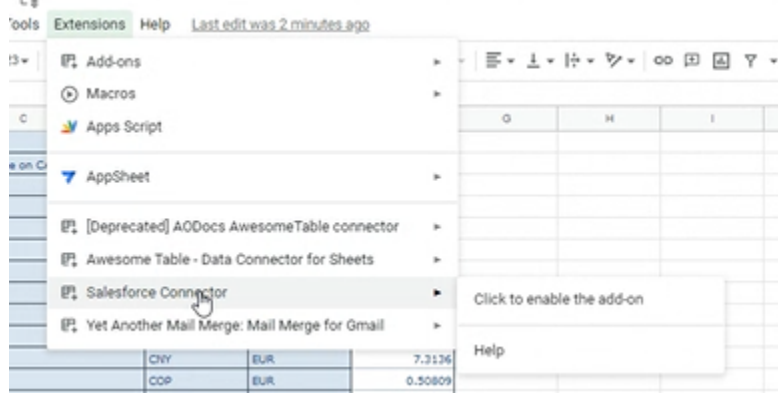
Step 2.1 - Monthly Rate Update

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

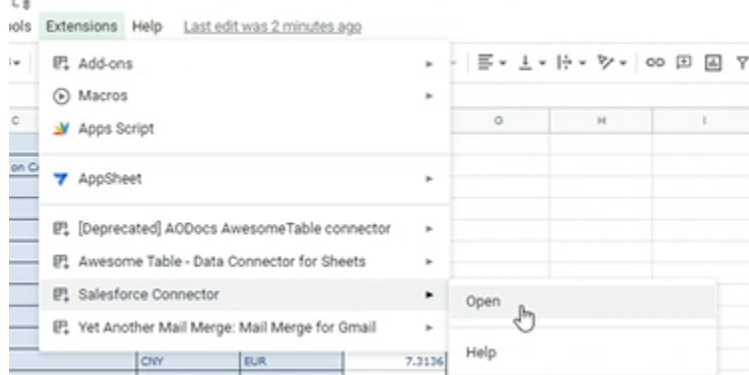
UAT & PROD must be setup in the same time.

2.1 / From that GSheet connect it with Salesforce PROD/UAT CORE

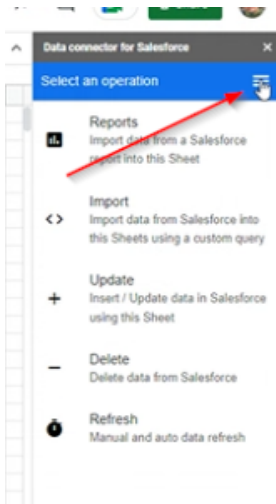
- Click on Extensions then Salesforce Connector, click to Enable the Add On



- Access again to extension and click on OPEN

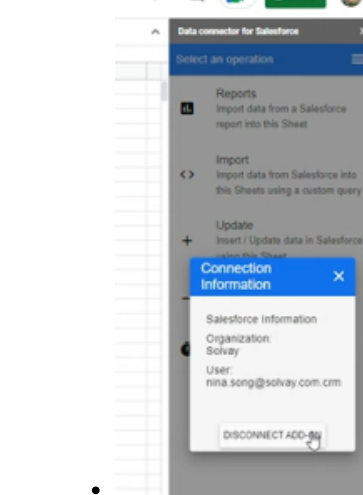
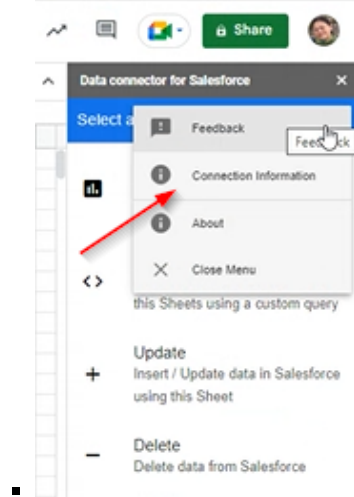


- Check what environment you are connected in :

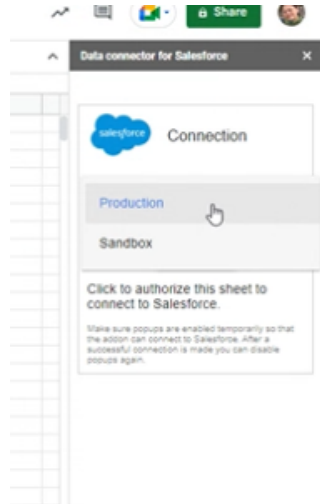


- then Select

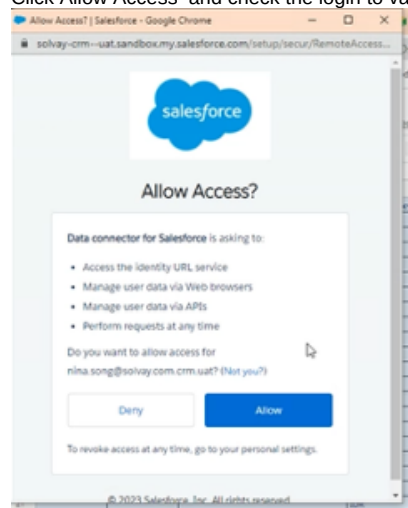
- Connection Information



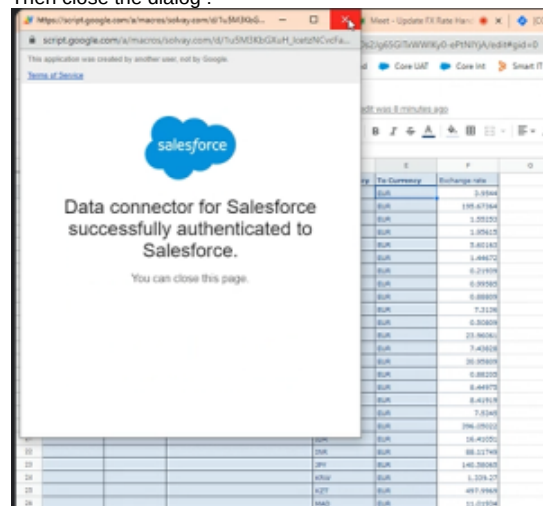
- If it is not the correct one, click on "Disconnect" and redo the process from the beginning
 - Select the correct Login & Environment :



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

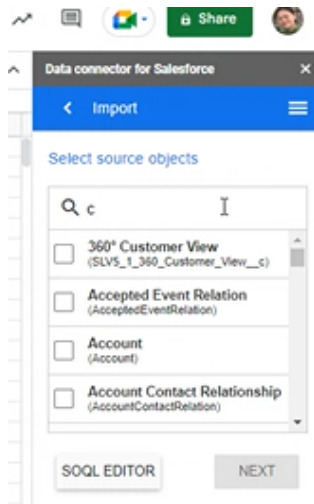


- Then close the dialog :

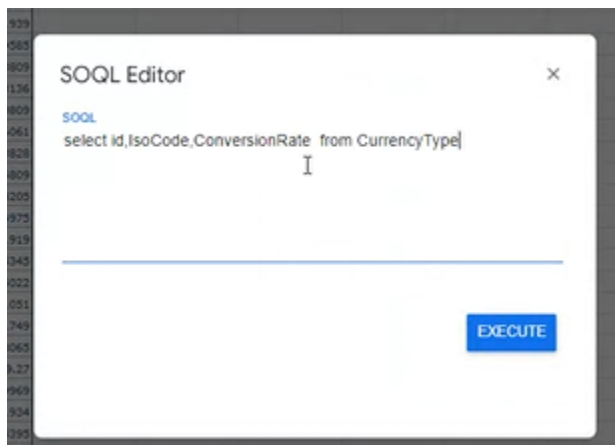


Now it's time to import existing record.

- Create a new SHEET
- Click Import then SOQL EDITOR



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



- Click on execute
 - the result should be like :

ID	IsoCode	ConversionRate
01L240000004TEAY	AED	3.75137
01L240000004LEAY	ARS	161181819
01L240000004TEAY	AUD	1.58738119
01L240000004TEAY	BGN	1.95665
01L240000004LEAY	BRL	5.55555556
01L240000004LEAY	CAD	1.43515205
01L240000004LEAY	CHF	0.96496
01L240000004TEAY	CLP	0.91441
01L240000004LEAY	CNY	7.39524372
01L240000004TEAY	COP	0.43827
01L240000004TEAY	CZK	24.96386
01L240000004LEAY	DKK	7.46362
01L240000004TEAY	DZD	115.57745
01L240000004TEAY	EGP	15.44857
01L240000004YAE	EUR	1
01L240000004ZNEAY	GBP	0.98989723
01L240000004TEAY	HKD	7.90336
01L240000004TEAY	HKD	7.59844
01L240000004TEAY	HUF	403.75699
01L240000004TEAY	IDR	14.67668
01L240000004TEAY	ILS	4.9541
01L240000004ZNEAY	INR	66.9562174
01L240000004ZNEAY	JPY	142.8571429
01L240000004ZNEAY	KRW	142.8571429
01L240000004ZNEAY	KZT	479.97589
01L240000004TEAY	LBP	1690.82
01L240000004TEAY	LKR	169.091
01L240000004TEAY	MAD	10.53341
01L240000004ZNEAY	MXN	20.7602079
01L240000004TEAY	MVR	4.51354
01L240000004TEAY	NAD	15.91895
01L240000004TEAY	NON	206.096
01L240000004TEAY	NOK	9.81895
01L240000004TEAY	NZD	1.68111396
01L240000004BEAY	PEN	3.91395
01L240000004TEAY	PHP	55.45957
01L240000004TEAY	PKR	125.59
01L240000004TEAY	PLN	4.72754

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	195.67364	
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	01L24000000a6ZLmEAM	CNY	7.385524372	7.3136	
11	01L24000000a6TLEAY	COP	0.43627	0.50809	
12	01L24000000a6TMEAY	CZK	24.56356	23.96061	
13	01L24000000a6ZLEAM	DKK	7.43822	7.43828	
14	01L24000000a6TNEAY	DKD	118.57745	N/A	
15	01L24000000a6TOEAY	EGP	19.41857	30.95809	
16	01L24000000a6TAE	EUR	1	N/A	
17	01L24000000a6ZMOEAM	GBP	0.88896723	0.88205	
18	01L24000000a6TPEAY	HKD	7.90639	8.47919	
19	01L24000000a6TOEAY	HKD	7.50644	7.5345	
20	01L24000000a6TTEAY	HUF	403.72399	396.95022	
21	01L24000000a6TSEAY	IDR	14.87668	16.41051	
22	01L24000000a6TTEAY	ILS	4.9541	N/A	
23	01L24000000a6ZMEAM	INR	88.95652174	88.11749	
24	01L24000000a6ZMEAM	JPY	142.8571429	140.58065	
25	01L24000000a6ZMEAE2	KRW	1428.571429	1.339.27	
26	01L24000000a6ZLkEAE2	KZT	479.97589	487.9969	
27	01L24000000a6TUEAY	LEP	1090.82	N/A	
28	01L24000000a6TVEAY	LKR	199.091	N/A	
29	01L24000000a6TIEAY	MAD	10.93361	11.91834	
30	01L24000000a6ZMOEAE2	MXN	20.7902079	20.43395	
31	01L24000000a6TIEAY	MYR	4.51354	4.65622	
32	01L24000000a6TIEAY	NAD	16.91856	18.42653	

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

fx

	A	B	C	D	E
1	Id	IsoCode	_ConversionRate	ConversionRate	
2	01L24000000a6THEAY	AED	3.70137	3.9544	
3	01L24000000a6ZLaEAM	ARS	181.8181818	195.67364	
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	01L24000000a6ZLmEAM	CNY	7.385524372	7.3136	

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

SOQL Editor



SOQL

```
select id, IsoCode, ConversionRate from DatedConversionRate
```

EXECUTE

- 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 maintenance

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 \(atlassian.net\)](#)



Unable to locate Jira server for this macro. It may be due to Application Link configuration.

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 is 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)

[illegible]

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

[illegible]

- Click on Update :

Data connector for Salesforce

Select an operation

- Reports**
Import data from a Salesforce report into this Sheet
- Import**
Import data from Salesforce into this Sheets using a custom query
- Update**
Insert / Update data in Salesforce using this Sheet **Update**
- Delete**
Delete data from Salesforce
- Refresh**
Manual and auto data refresh

- Set the correct values

Data connector for Salesforce

< Update

Please select the rows to update

REFRESH THE SELECTED RANGE

Rows: 1-55 Count: 55

Object type to update

Search: cune

☒ Currency Type (CurrencyType)

☐ Insert

☒ Update

☐ Insert or Update

Id Column: A

Results Column: E

NEXT

- 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@solway.com.crm / Solway

☐ Use Tooling API?

Action: Update

Object: CurrencyType

Format: ☒ Excel ☐ CSV

Data: Paste Excel data here

Batch size: 200

Threads: 6

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

Status: ☒ 54 Queued ☒ 0 Processing ☒ 0 Succeeded ☒ 0 Failed

Field mapping

	Id	IsoCode	ConversionRate
[CurrencyType]	01L24000000a6THEAY	AED	3.70137
[CurrencyType]	01L2400000008ZLaEAM	ARS	137.4917
[CurrencyType]	01L240000000a6TIEAY	AUD	1.45067
[CurrencyType]	01L240000000a6TJEAY	BGN	1.95585
[CurrencyType]	01L2400000008ZLIEAM	BRL	5.18953
[CurrencyType]	01L2400000008ZLKEAM	CAD	1.30254
[CurrencyType]	01L2400000008ZLoEAM	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.crm / Solway

☐ Use Tooling API?

ActionInsert

ObjectDatedConversionRate

Format☒ Excel ☐ CSV

Data

Paste Excel data here

Batch size200

Threads6

ImportCancel queuedRetry failed

Status

☒ 54 Queued

☒ 0 Processing

☒ 0 Succeeded

☒ 0 Failed

Field mapping

IsoCode

ConversionRate

StartDate

Copy (Excel format)Copy (CSV)Copy options

	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

2.3 / Close the Service One Request.