

BW RTR - Transfer Price - Sale Price !!\ Obsolete !!\



The new wiki link for this data flow is here:

[Technical Documentation - Transfer Price historical sales](#)

Please update the doc there and no longer here.



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General presentation

The application provides for a given month, the average sale prices observed during the X previous months.

Data is both :

- Available in reporting through AFO workbook
- Monthly extracted into 2 flat files likely to be loaded into WP1 and PF1.

.List of contacts

- Charlotte Rollier (SBS Finance Service Line) : Data and Reporting Manager
- Guillaume Thevenet (SBS Information Services) : BW Coordinator

Objective of the application

The aim of the application is to calculate and provide to transfer pricing team the monthly average sale price by BFC Company Code, Material, Revenue Type.

Usage information

To be completed

History

This project was developed in September 2019 by Ludovic Depoix with BW technical support of Cyril Bianco.

A new OFFSET parameters has been added to the data flow in June 2022 by Ludovic Depoix with BW technical support of Charles Benier.

Rules

Roles and access

Role Code	Role Description	Explanation
ZR_RCS_CA_M67	Transfert Price Historical Sales	Menu Role
ZR_*_CA_P05	GBU perimeter roles	Role Analysis authorizations
ZBI_RCS_CO_A25	TP – Transfert Price Historical Sales - End User role	Application Role

Authorization objects

List of authorization objects mandatory for the application.

Authorization object	Explanation
CPFCTR1_2	BFC Global Business Unit
C_AUTHMA	Authorization Scope

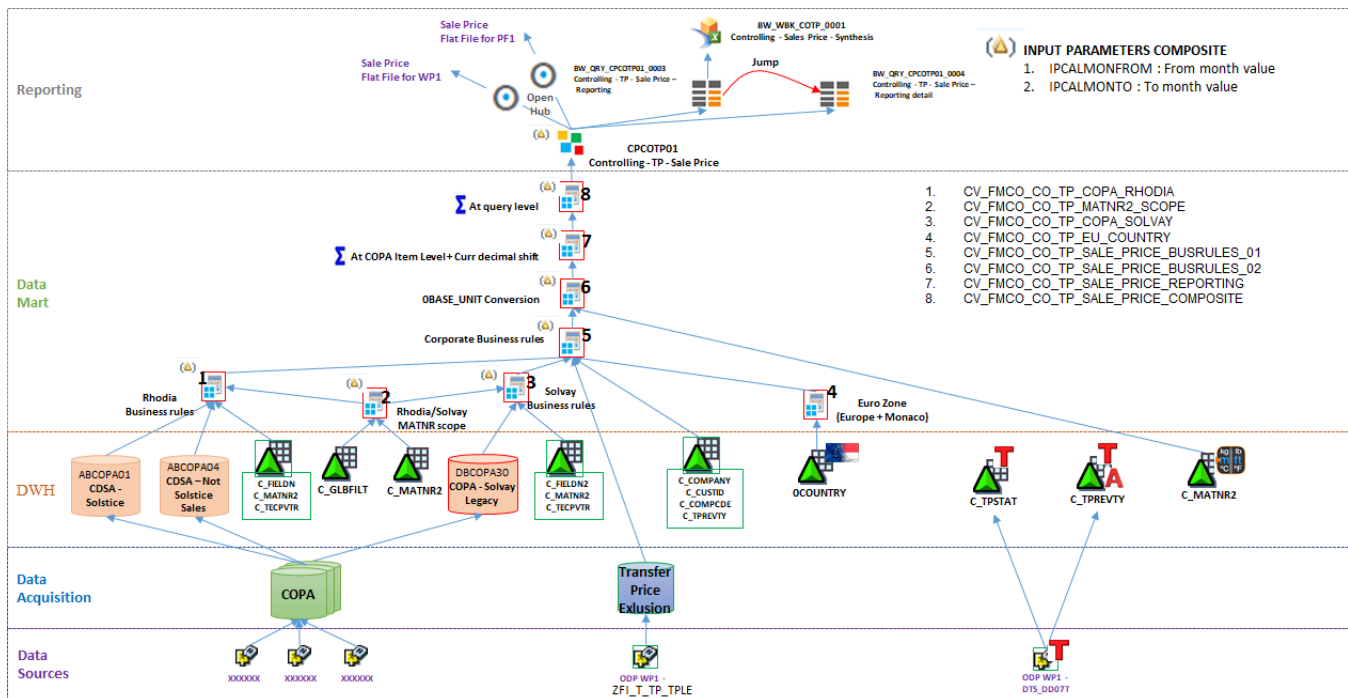
See also file maintained by Authorization team :

- BW Catalog of Roles: Authorization catalog
- BW Authorization: BW Authorizations

Dataflow overview

Reporting documentation drive folder:

Exemple of dataflow overview :



Functional and Technical rules on Workbench + Reporting

Rules & Explanations

Systems involved

- Rhodia ERP WP1
- Solvay ERP PF1

Subject

Retrieved data are coming from PF1 and WP1 COPA module.

Dependencies with other applications

Retrieved data is dependent from standard and advanced DSO (COPA Business Layer) loaded by others applications.

Data Model

Info providers and objects

InfoAreas

- SOLVAY - CBS - WBS Cost Analysis - Plant Maintenance - Financials Management & Controlling - Financial Accounting - Controlling - Controlling - Model S - IMEP-Integrated Manufacturing & Energy Performance - Profitability Analysis - Overhead Cost Controlling - Fixed Costs - Profitability Analysis (Soda Ash) - Controlling - Transfer Price - Controlling - Transfer Price - Master Data - Controlling - Transfer Price - Propagation Layer - Controlling - Transfer Price - Virtual Layer	- IA_SOLVAY - IA_SOLVAY_F_CO_CBS_PS - IA_S_RTR - IA_FMCO - IA_FMCO_FI - IA_FMCO_CO - IA_FMCO_CO_MS - IA_FMCO_CO_IMEP - IA_FMCO_COPA - IA_FMCO_CO_OM - IA_FMCO_CO_FC - IA_FMCO_COPA_SD - IA_FMCO_CO_TP - IA_FMCO_CO_TP_MD - IA_FMCO_CO_TP_PROPAGATION - IA_FMCO_CO_TP_VIRTUAL
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DSOs / aDSOs

implemented by another project

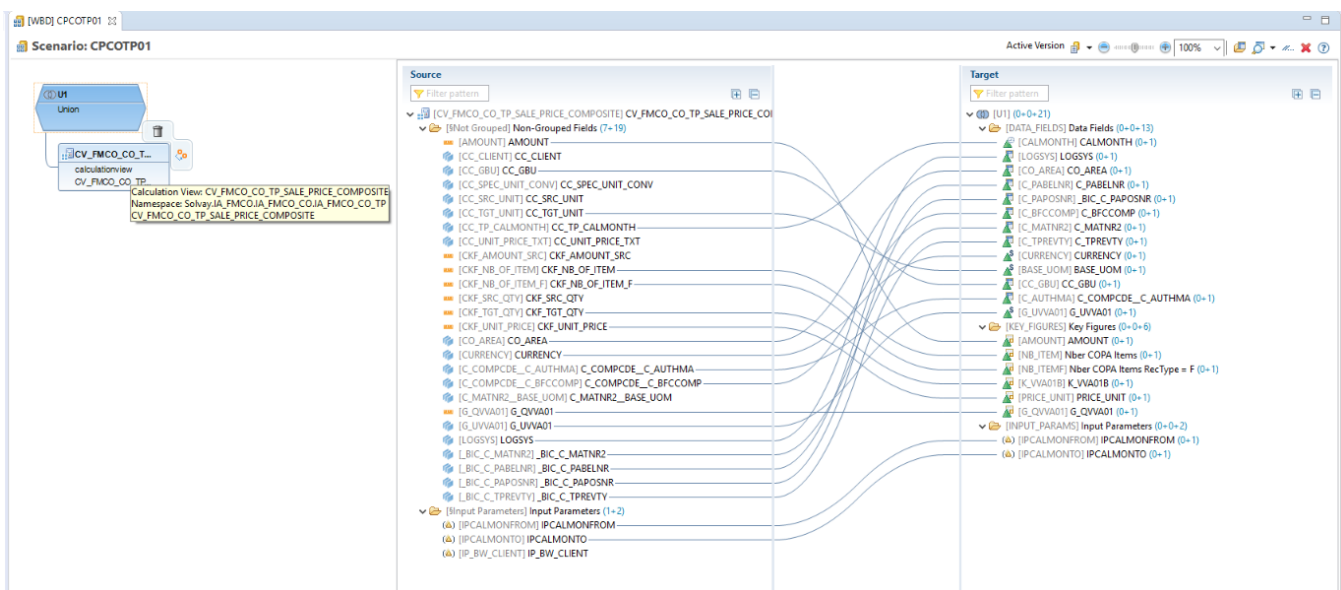
- DBCOPA30 - COPA - Solvay Legacy
- ABCOPA01 - CDSA – Solstice
- ABCOPA04 - CDSA – Not Solstice

Implemented by the Transfer Price project

- APCOTP01 - Transfer price - Entity third party Except

Composite Providers

- CPCOTP01 - Controlling - TP - Sale Price



Output: CPCOTP01

Provider Fields

Filter pattern

View Field	Associated Object
▼ [DATA_FIELDS] Data Fields	
📁 [CALMONTH] CALMONTH	0CALMONTH
📁 [LOGSYS] LOGSYS	0LOGSYS
📁 [CO_AREA] CO_AREA	0CO_AREA
📁 [C_PABELNR] C_PABELNR	C_PABELNR
📁 [C_PAPOSNR] _BIC_C_PAPOSNR	C_PAPOSNR
📁 [C_BFCCOMP] C_BFCCOMP	C_BFCCOMP
📁 [C_MATNR2] C_MATNR2	C_MATNR2
📁 [C_TPREVTY] C_TPREVTY	C_TPREVTY
📁 [CURRENCY] CURRENCY	0CURRENCY
📁 [BASE_UOM] BASE_UOM	0BASE_UOM
📁 [CC_GBU] CC_GBU	CPFCTR1_2
📁 [C_AUTHMA] C_COMPDE_C_AUTHMA	C_AUTHMA
📁 [G_UVVA01] G_UVVA01	0G_UVVA01
▼ [KEY_FIGURES] Key Figures	
📁 [AMOUNT] AMOUNT	0AMOUNT
📁 [NB_ITEM] Nber COPA Items	K_LINENB
📁 [NB_ITEMF] Nber COPA Items RecType = F	K_LINENBF
📁 [K_VVA01B] K_VVA01B	K_VVA01B
📁 [PRICE_UNIT] PRICE_UNIT	0PRICE_UNIT
📁 [G_QVVA01] G_QVVA01	0G_QVVA01
▼ [INPUT_PARAMS] Input Parameters	
📁 [IPCALMONFROM] IPCALMONFROM	0CALMONTH
📁 [IPCALMONT0] IPCALMONT0	0CALMONTH

Main Master Data

- C_TPREVTY – Revenue Type

Revenue type has been defined in order to segregate the different type of sales, in order to calculate the average sale price for each revenue type.

The revenue type is the combination of 3 components:

IOBJ	Revenu type	Partner type	Geographical Flow	Custom Duty
C_TPREVTY	C_TPREVTY	C_TPPARTY	C_TPGEOFL	C_TPCUSTD
C_TPREVTY	ABEURP	RP	ABEU	ID
C_TPREVTY	ABEUTP	TP	ABEU	ID
C_TPREVTY	ABEXRP	RP	ABEX	ID
C_TPREVTY	ABEXTP	TP	ABEX	ID
C_TPREVTY	DORP	RP	DOMS	ID
C_TPREVTY	DORP_DF	RP	DOMS	DF
C_TPREVTY	DOTP	TP	DOMS	ID
C_TPREVTY	DOTP_DF	TP	DOMS	DF

- C_TPPARTY - TP Partner Type
- C_TPGEOFL - TP Geographical Flow
- C_TPCUSTD - TP Custom Duty

IOBJ	Code	texte
C_TPPARTY	RP	Related Party
C_TPPARTY	TP	Third Party
C_TPGEOFL	ABEX	Abroad-export
C_TPGEOFL	ABEU	Abroad-Eudel
C_TPGEOFL	DOMS	Domestic
C_TPCUSTD	DF	Duty Free
C_TPCUSTD	ID	Included custom duties

Main Master Data & Business Rules

• C_TPPARTY - TP Partner Type

Business Rule : If trading partner (C_PCOMPAN) not empty and consolidation method different from 90 sold and BFC Company of the Trading partner (C_COMPANY__OCOMPANY) not found in exception table (!\ Posting date in Valid From and Valid To of exclusion table => Related Party

Else => Third Party

• C_TPGEOFL - TP Geographical Flow

Business Rule : We will compare :

- the recipient country (ship to customer country) C_SHIPID_0COUNTRY
- And the country of the selling company (company code country):C_PCOMPRS__0COUNTRY (= C_COMPCDE__0COUNTRY)
- Abroad-export :both countries are different and one of them at least is outside E.U.
- Abroad-EU : both countries are different and inside E.U.
- Domestic (same country)

• C_TPCUSTD - TP Custom Duty

The third distinction is only for chinese companies

If the company code is not a chinese company (C_PCOMPRS__0COUNTRY or C_COMPCDE__0COUNTRY <> CN) => domestic included duties

If the company code (C_COMPRS) is a chinese company ; to split the domestic line by "included customs duties" or "duty free", based on:

- the invoicing currency (ODOC_CURRENCY) <> Local company currency(C_COMPRS_0CURRENCY) => domestic duty free
- the invoicing currency = local company currency (CNY), the legal entity is SSP CHANGSHU (5991) and the customer is related party => domestic duty free
- other cases => domestic included duties

• C_GLBFLT - Global Filter

The global filter has been used in order to manage some parameters :

Global Filter Stream (Application)	"Global Filter Rule"	"Global Filter"	Global Filter Active	Global Filter Description	Global Filter Hight Value	Global Filter Low Value	Global Filter Option	Global Filter Sign
TP_SP	MATNR_WX1	1	Y	Exclude MATNR2 Z710		Z710	EQ	E
TP_SP	MATNR_WX1	2	Y	Exclude MATNR2 ZDIE		ZDIE	EQ	E
TP_SP	MATNR_WX1	3	Y	Exclude MATNR2 ZNLA		ZNLA	EQ	E
TP_SP	MATNR_WX1	4	Y	Exclude MATNR2 ZUNB		ZUNB	EQ	E
TP_SP	MATNR_XF1	1	Y	Exclude MATNR2 Z710		Z710	EQ	E
TP_SP	MATNR_XF1	2	Y	Exclude MATNR2 ZR09		ZR09	EQ	E
TP_SP	MATNR_XF1	3	Y	Exclude MATNR2 Z709		Z709	EQ	E
TP_SP	EXTRPERIOD	1	Y	Recovery Extract Period		201904	EQ	I
TP_SP	CALCNBPER	1	Y	Nb of Calculation period		3	EQ	I
TP_SP	OFFSET	1	Y	Nb of month OFFSET		3	EQ	I

- MATNR_WX1 : allows to manage some Material Type exclusion for WP1 line
- MATNR_XF1 : allows to manage some Material Type exclusion for XF1 line
- EXTRPERIOD : allows to manage the recovery period for the file extraction done in PC_FMCO_TP_01
- CALCNBPER : allows to manage the number of used periods during the Average Sale Price Calculation
- OFFSET : allows to manage the number of month take in account by Material, plant and Company type into the "CALCNBPER" selection. IF OFFSET= CALCNBPER, the OFFSET parameter have no impact

CALCNBPER (4) & OFFSET (2) parameters example

Ex 1	Month = 4 (current month = May) / Offset = 2				
Sales	Apr	Mar	Feb	Jan	Result (SUM)
Material					
M1	10	10	10		20
M2		10	10		20
M3			10	10	20
M4				10	10
M5		10		10	10

Main Extractors

Transactional data extractors

- Transactional data was already available in the COPA data model, no new transactional extractor has been activated

Master data extractors

- DTS_DD07T through ODP from WP1 in order to populate info objects' texts like C_TPSTAT and C_TPREVTY

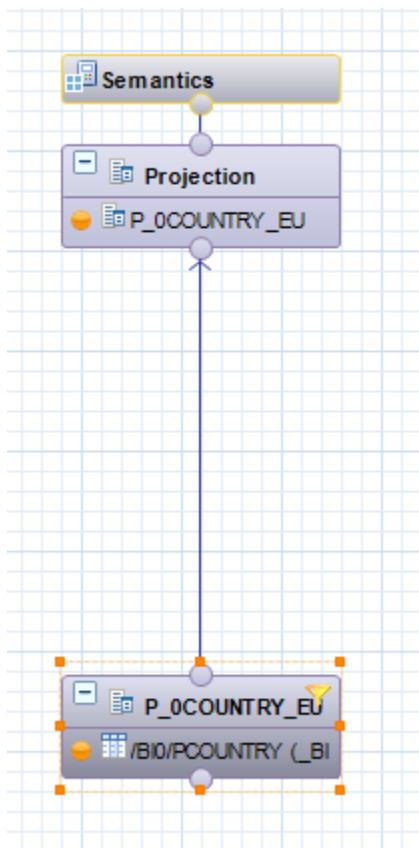
Data Flow

As shown in the architecture schema, the Sale Price application is based on an hybrid achitecture HANA Calculation feeding a BW composite provider.

The composite provider is used for bith extraction and reporting purpose.

HANA Calculation views

- CV_FMCO_CO_TP_EU_COUNTRY



This calculation view provide all contries belonging to EU, including Monaco which in not considered as a EU member in ECC T005 table.

this is done through the folling filter expression :

Edit Filter Expression for P_0COUNTRY_EU

Filters applied on the columns are executed after performing all the operations defined in a view.

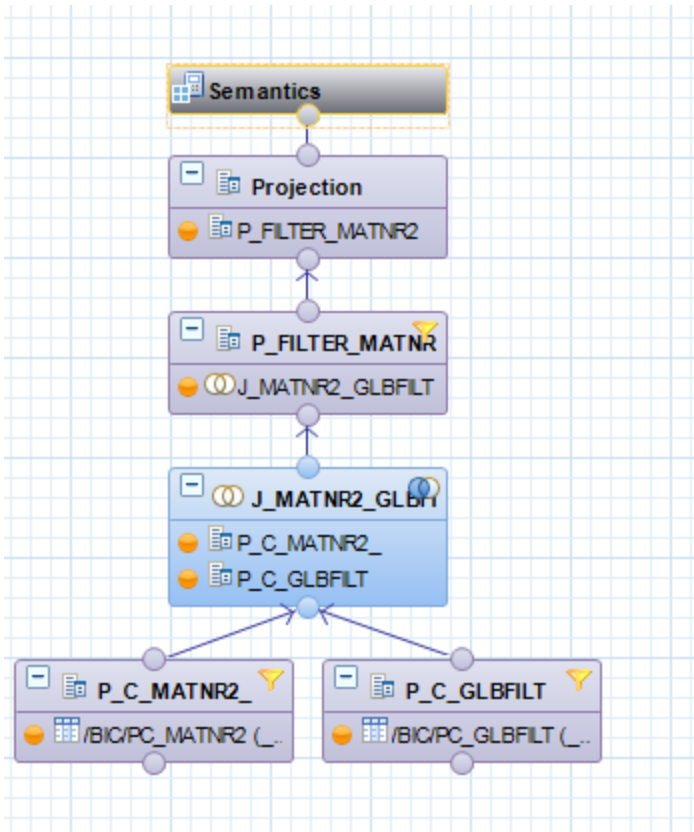
Expression Editor

Edit...

Language: Column Engine

```
(( "C_XEGLD" = 'X' ) OR ( "COUNTRY" = 'MC' )) AND "OBJVERS" = 'A'
```

- CV_FMCO_CO_TP_MATNR2_SCOPE



This calculation view provides the scope of MATERIAL that have to be taken into account, after application of the exclusion MATL_TYPE managed through the global filter table.

Global Filter Stream (Application)	"Global Filter Rule"	"Global Filter"	Global Filter Active	Global Filter Description	Global Filter Hight Value	Global Filter Low Value	Global Filter Option	Global Filter Sign
TP_SP	MATNR_WX1	1	Y	Exclude MATNR2 Z710		Z710	EQ	E
TP_SP	MATNR_WX1	2	Y	Exclude MATNR2 ZDIE		ZDIE	EQ	E
TP_SP	MATNR_WX1	3	Y	Exclude MATNR2 ZNLA		ZNLA	EQ	E
TP_SP	MATNR_WX1	4	Y	Exclude MATNR2 ZUNB		ZUNB	EQ	E
TP_SP	MATNR_XF1	1	Y	Exclude MATNR2 Z710		Z710	EQ	E
TP_SP	MATNR_XF1	2	Y	Exclude MATNR2 ZR09		ZR09	EQ	E
TP_SP	MATNR_XF1	3	Y	Exclude MATNR2 Z709		Z709	EQ	E

The restriction is done through the following filter expression

Expression Editor

Edit...
Language: Column Engine

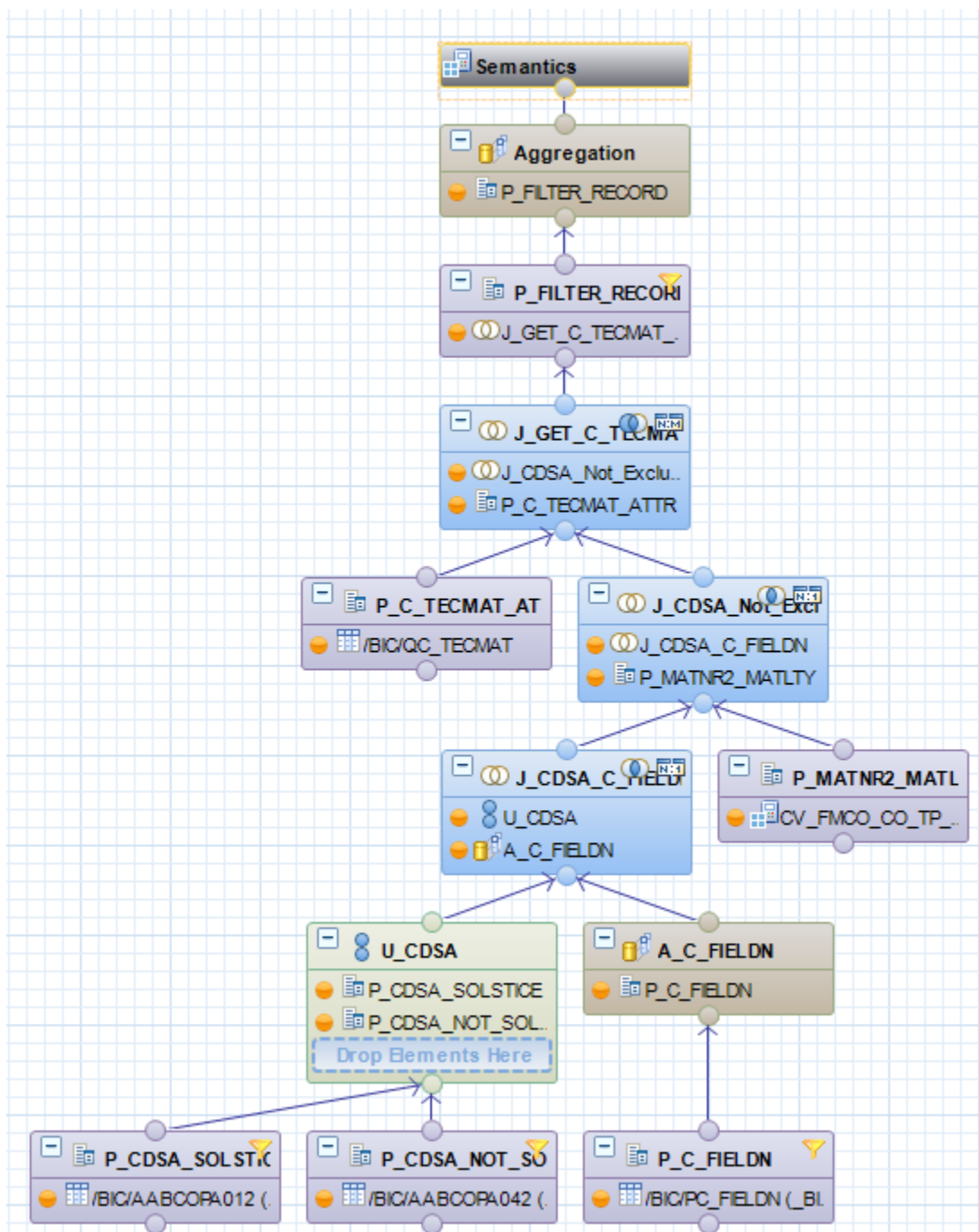
```
"_BIC_C_STREAM" = 'TP_SP' AND "_BIC_C_RULE" = '$$IP_TP_C_GLBFLT_RULE$$'
```

Where IP_TP_C_GLBFLT_RULE is an input parameter populated by the master view which embeds the current view either :

- CV_FMCO_CO_TP_COPA_RHODIA
- CV_FMCO_CO_TP_COPA_SOLVAY

The parameter is populated by a constant in the calculation view input parameter mapping.

- CV_FMCO_CO_TP_COPA_RHODIA :



this Calculation views takes in charge

- all the Rhodia specific business rules in particular
- UNION of data coming from the different SOLSTICE aDSOs
 - Value Field restriction based on C_FIELDN master data
 - GBU recovery using C_TECMAT attributes
 - the restriction on Material scope based on CV_FMCO_CO_TP_MATNR2_SCOPE with the following Input Parameter :

Map Variables/Input Parameters

Map the Data Sources/Views for value help Variables/Input Parameters to the target Variables/Input Parameters

Select Type Data Sources

Variables/Input Parameters

Filter pattern

Solvay.IA_FMCO.IA_FMCO_CO.IA_FMCO_CO_TP::CV_FMCO_CO_TP_MATNR2_SCOPE (

(A) IP_TP_C_GLBFLT_RULE

Calculation view Variables/Input Parameters

Filter pattern

(A) IPCALMONFROM

(A) IPCALMONT0

(B) MATNR_WX1

- In addition, there is a restriction on the scope of COPA document based on the following filter :

```
("CALMONTH" >= '$$IPCALMONFROM$$' AND "CALMONTH" <= '$$IPCALMONT0$$') and "REC_TYPE" != 'X'|
```

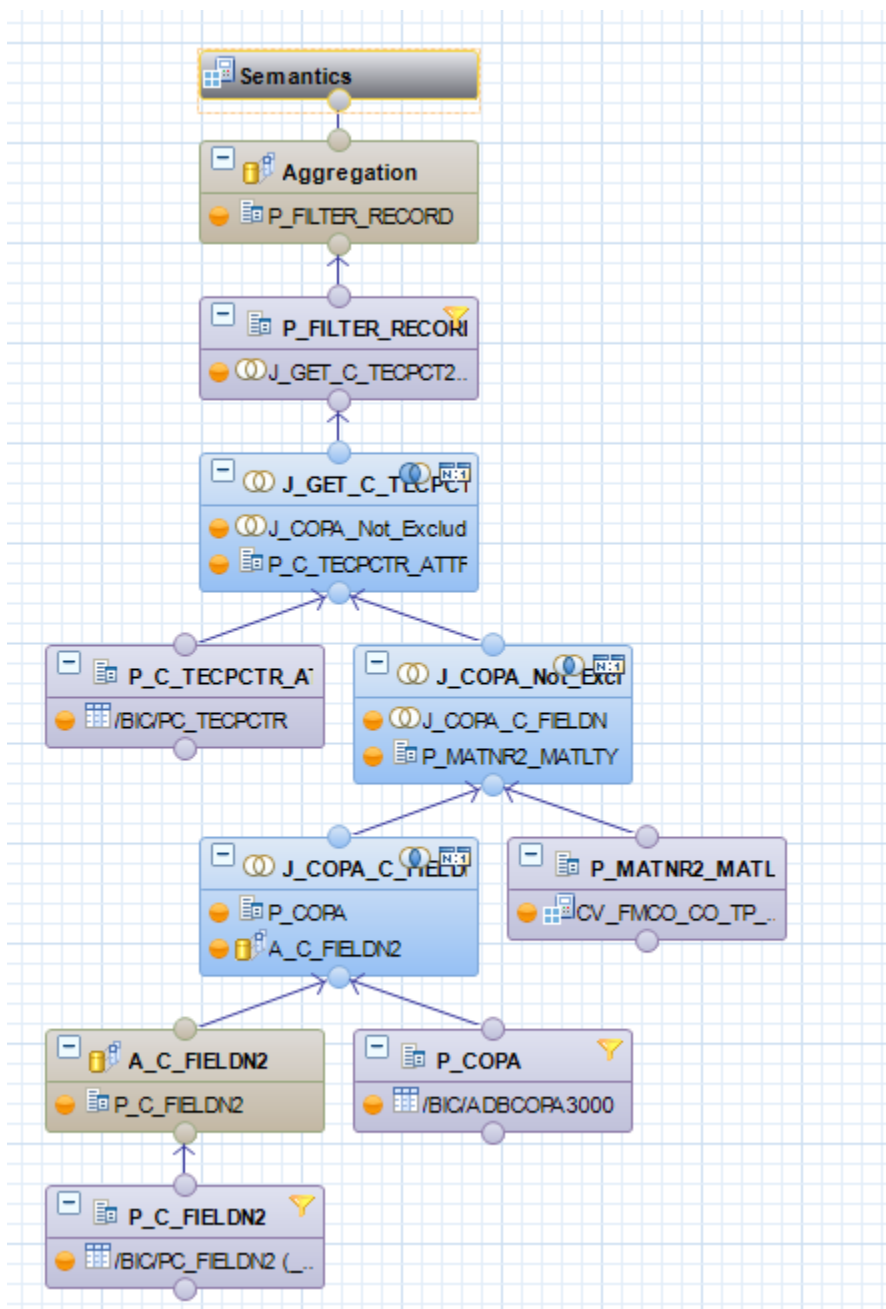
where Input parameters are driven either by DTP or Query exit variables and related BADIs

Display View "BI-Utills 001: Variablemaintenance":

69

BI-Utills 001: Variablemaintenance		
Variable Name	Class/Interface	S
V_IPCALMONT0_0001	L_BIU001_V_IPCALMONT0_0001	TI
V_IPCALMONT0_0002	ZCL_BIU001_V_IPCALMONT0_0002	TI

CV_FMCO_CO_TP_COPA_SOLVAY



this Calculation views takes in charge

- all the Rhodia specific business rules in particular
 - Value Field restriction based on C_FIELDN2 master data
 - GBU recovery using C_TECPTR attributes
 - the restriction on Material scope based on CV_FMCO_CO_TP_MATNR2_SCOPE with the following Input Parameter :

Manage Mappings

Map Variables/Input Parameters

Map the Data Sources/Views for value help Variables/Input Parameters to the target Variables/Input Parameters

Select Type: Data Sources

Variables/Input Parameters

Filter pattern

Solvay.IA_FMCO.IA_FMCO_CO.IA_FMCO_CO_TP::CV_FMCO_CO_TP_MATNR2_SCOPE

(A) IP_TP_C_GLBFLT_RULE

Calculation view Variables/Input Parameters

Filter pattern

(A) IPCALMONFROM

(A) IPCALMONTOTO

(A) MATNR_XF1

- In addition, there is a restriction on the scope of COPA document based on the following filter :

```

("CALMONTH" >= '$$IPCALMONFROM$$' AND "CALMONTH" <= '$$IPCALMONTOTO$$') and
"REC_TYPE" != 'X'|

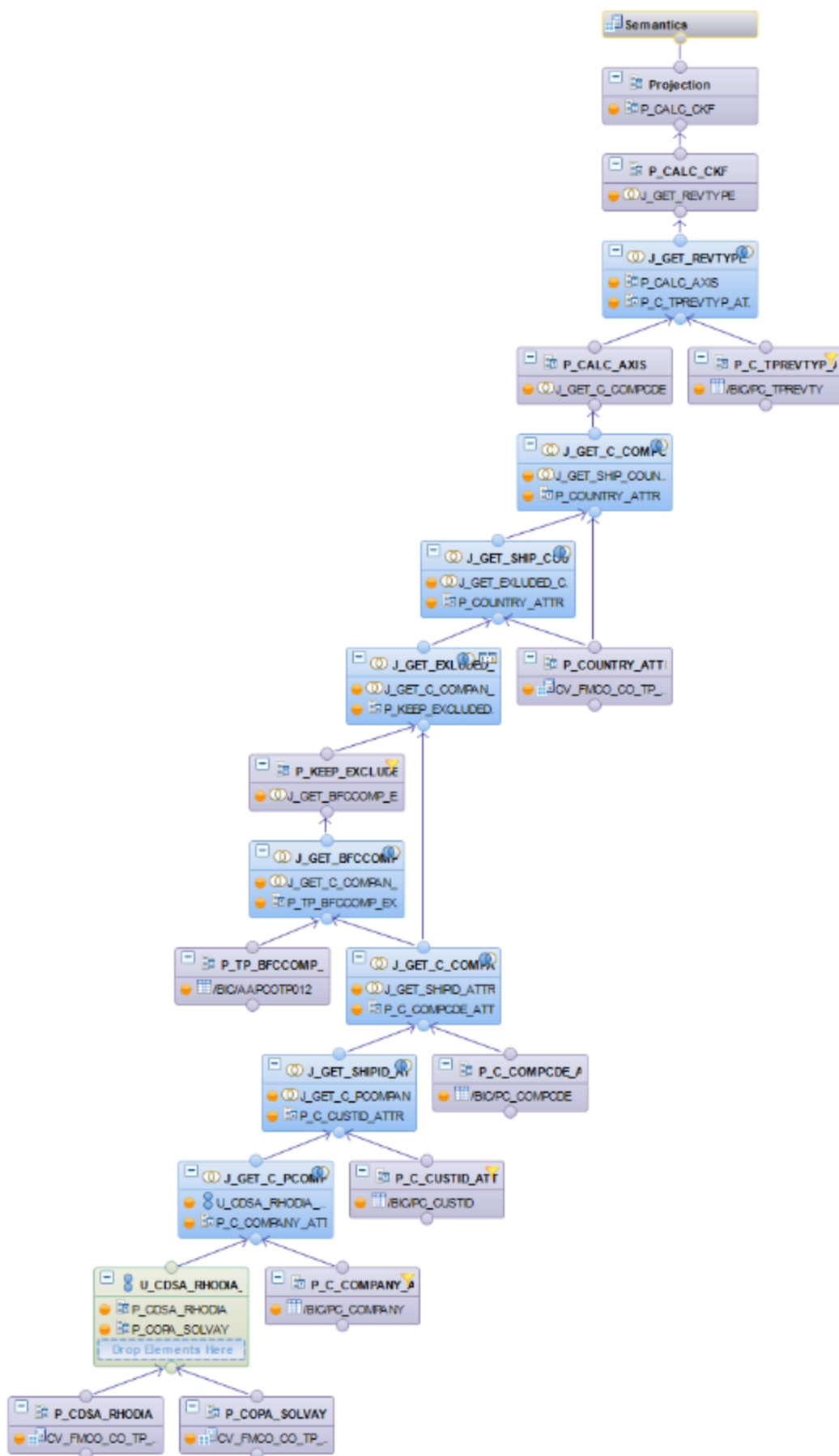
```

where Input parameters are driven either by DTP or Query exit variables and related BADIs

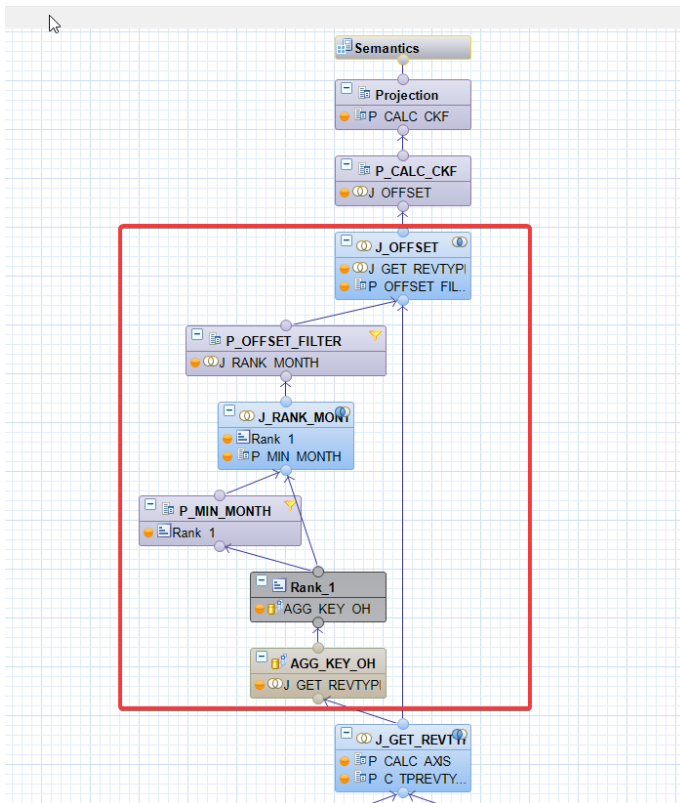
Display View "BI-Utills 001: Variablemaintenance":

BI-Utills 001: Variablemaintenance		
Variable Name	Class/Interface	S
V_IPCALMONTOTO_0001	L_BIU001_V_IPCALMONTOTO_0001	TI
V_IPCALMONTOTO_0002	ZCL_BIU001_V_IPCALMONTOTO_0002	TI

- CV_FMCO_CO_TP_SALE_PRICE_BUSRULES_01



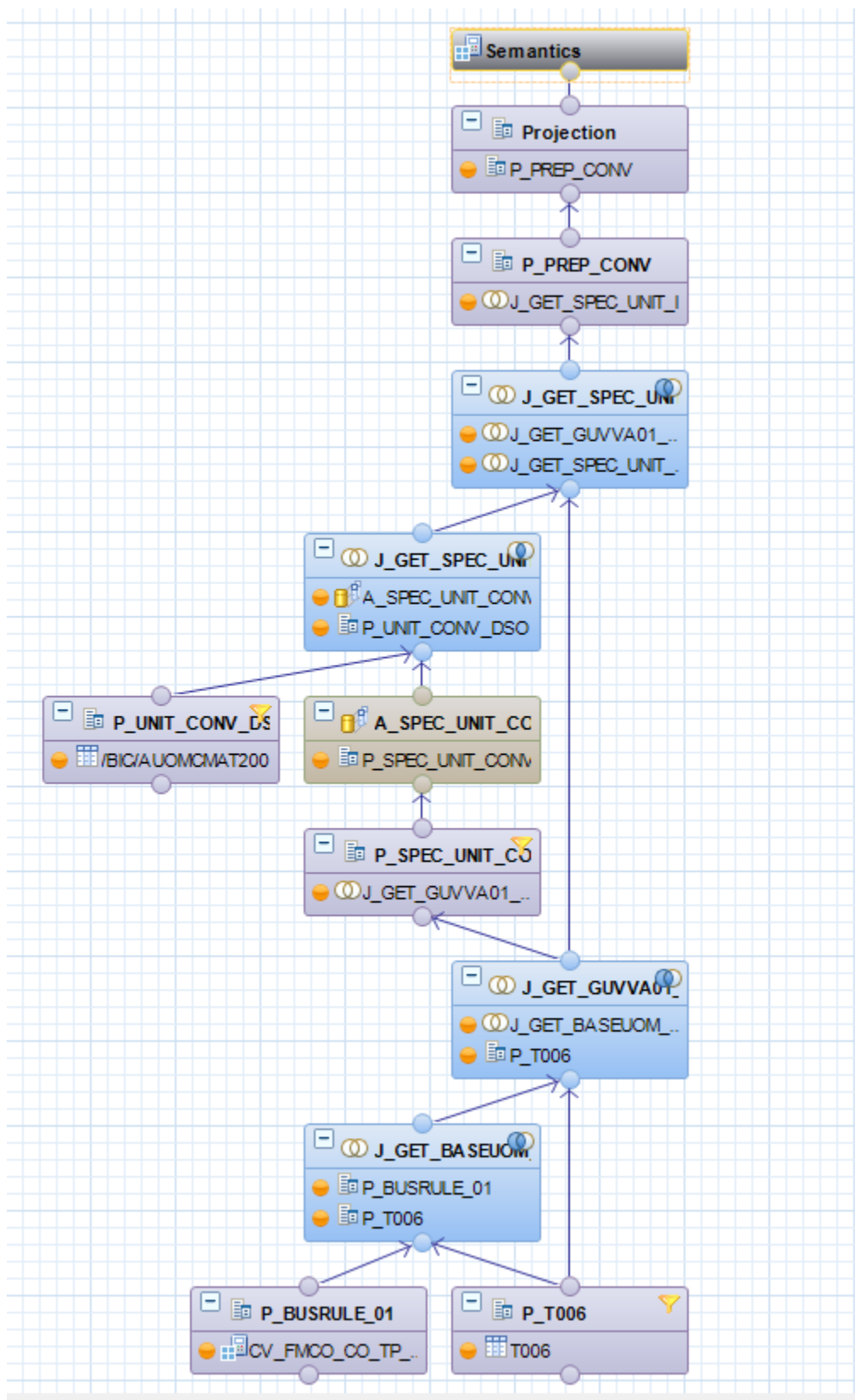
- CV_FMCO_CO_TP_SALE_PRICE_BUSRULES_01 - New block for OFFSET parameter restriction



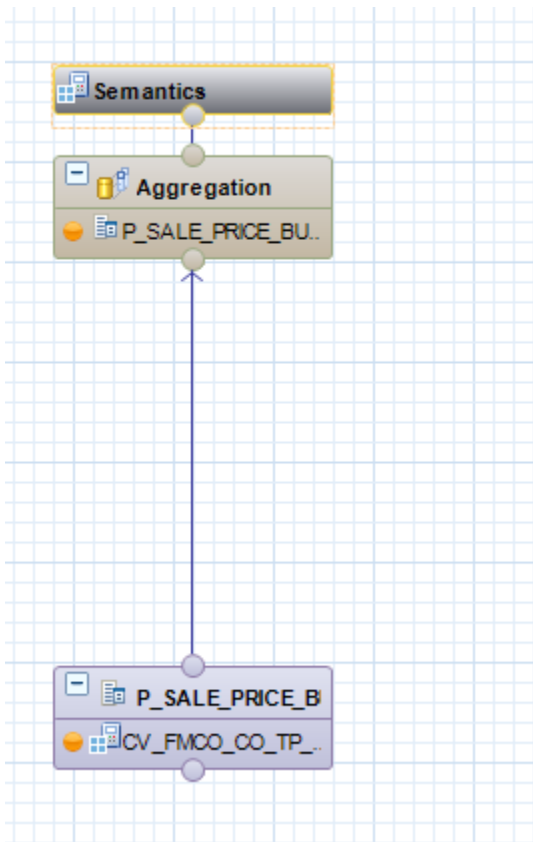
This calculation view

- merges the data RHODIA and SOLVAY data coming from the specific sub views
- enrichs the data in order to apply the corporate business rules,
 - Axy's of analysis claudation in particular the REVENUE TYPE and its compoundings
 - KPI calculation
- Restrict data by month by keys from the offset parameters

- CV_FMCO_CO_TP_SALE_PRICE_BUSRULES_02



- CV_FMCO_CO_TP_SALE_PRICE_REPORTING



This view

- manages the aggregation at the COPA item document level, using the KEEP_FLAG option on the relevant fields, in order to insure the consistency of the KPI calculation in the upper level.
- applies the HANA standard conversion function on :
 - UNIT (based on KPI calculated in CV_FMCO_CO_TP_SALE_PRICE_BUSRULES_02
 - CURRENCY in order to manage the Decimal Shift properly

the customizing is done in the semantic layer using semantic functions

Details

Columns(26) View Properties Hierarchies Parameters/Variables(3)

Local

Show: All



Type	Key	Name	Label	Aggregation	Variable	Semantic Type
	☐	RB CC_TP_CALMONTH	CC_TP_C...			
	☐	RB LOGSYS	LOGSYS			
	☐	RB CO_AREA				
	☐	RB C_COMPCDE_C_BFCCOMP	C_COMP...			
	☐	RB _BIC_C_MATNR2	_BIC_C_M...			
	☐	RB CURRENCY	CURRENCY			
	☐	RB _BIC_C_TPREVTY	_BIC_C_T...			
	☐	RB C_MATNR2_BASE_UOM	C_MATN...			
	☐	RB _BIC_C_PAPOSNR	_BIC_C_P...			
	☐	RB _BIC_C_PABELNR	_BIC_C_P...			
	☐	RB G_UVVA01	G_UVVA01			
	☒	12 AMOUNT	AMOUNT	Sum		Amount with Currency Code
	☐	12 G_QVVA01	G_QVVA01	Sum		
	☐	12 CKF_NB_OF_ITEM_F	CKF_NB_...	Sum		
	☐	12 CKF_NB_OF_ITEM	CKF_NB_...	Sum		
	☐	RB CC_GBU	CC_GBU			
	☐	RB CC_UNIT_PRICE_TXT	CC_UNIT...			
	☐	12 CKF_UNIT_PRICE	CKF_UNI...	Avg		
	☐	RB C_COMPCDE_C_AUTHMA	C_COMP...			
	☐	RB CC_SRC_UNIT	CC_SRC_...			
	☐	RB CC_TGT_UNIT	CC_TGT_...			
	☐	12 CKF_SRC_QTY	CKF_SRC_...	Sum		
	☐	RB CC_SPEC_UNIT_CONV	CC_SPEC...			
	☐	12 CKF_TGT_QTY	CKF_TGT_...	Sum		Quantity with Unit Of Measure
	☐	RB CC_CLIENT	CC_CLIENT			
	☐	12 CKF_AMOUNT_SRC	CKF_AM...	Sum		

Assign Semantics

Assign a suitable semantic type and maintain additional properties depending on the chosen semantic type

Semantic Type: Amount with Currency Code

Currency:

☒ Decimal shift ☐ Conversion ☐ Rounding ☐ Decimal shift back

Conversion

Schema for currency conversion:*

Client for currency conversion:*

Source Currency:*

Target Currency:*

Exchange Type:*

Conversion Date:*

Exchange Rate:

Data Type: Length: Scale:

☐ Generate result currency column:

Upon Conversion Failure:

Semantics for CKF_TGT_QTY

Assign Semantics

Assign a suitable semantic type and maintain additional properties depending on the chosen semantic type

Semantic Type: Quantity with Unit Of Measure

Unit: CC_TGT_UNIT

☒ Conversion

Conversion

Schema for unit conversion: ABAP (SAPSR3)

Client for unit conversion: IP_BW_CLIENT

Source Unit: CC_SRC_UNIT

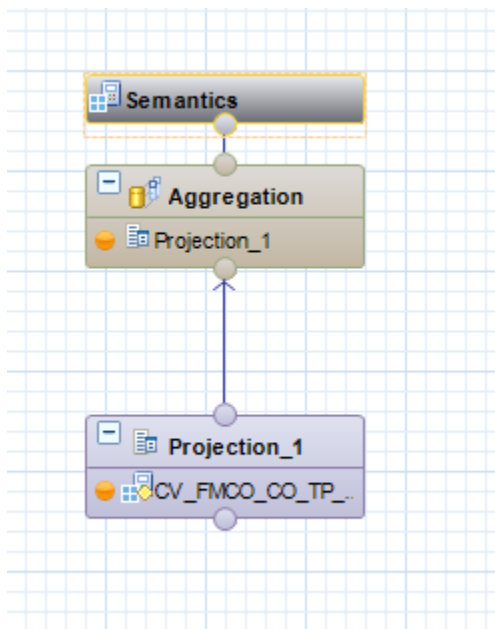
Target Unit: CC_TGT_UNIT

☐ Generate result unit column:

Upon Conversion Failure: Set to NULL

OK Cancel

- CV_FMCO_CO_TP_SALE_PRICE_COMPOSITE

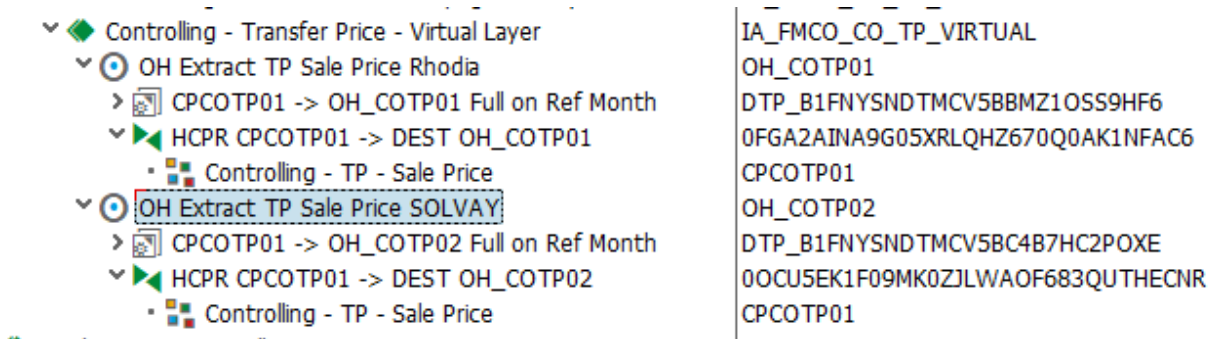


This view insures the pushdown HANA of the aggregation at the level requested by the reporting layer.

Columns(26) View Properties Hierarchies Parameters/Variables(3)					
Local					
Show: All					
Type	Key	Name	Label	Aggregation	Variable
		AB CC_TP_CALMONTH	CC_TP_CALMONTH		🔍
		AB LOGSYS	LOGSYS		🔍
		AB CO_AREA			🔍
		AB C_COMPCDE_C_BFCCOMP	C_COMPCDE_C_BFCCOMP		🔍
		AB _BIC_C_MATNR2	_BIC_C_MATNR2		🔍
		AB CURRENCY	CURRENCY		🔍
		AB _BIC_C_TPREVTY	_BIC_C_TPREVTY		🔍
		AB C_MATNR2_BASE_UOM	C_MATNR2_BASE_UOM		🔍
		AB _BIC_C_PAPOSNR	_BIC_C_PAPOSNR		🔍
		AB _BIC_C_PABELNR	_BIC_C_PABELNR		🔍
		AB G_UVVA01	G_UVVA01		🔍
		12 AMOUNT	AMOUNT	Sum	
		12 G_QVVA01	G_QVVA01	Sum	
		12 CKF_NB_OF_ITEM_F	CKF_NB_OF_ITEM_F	Sum	
		12 CKF_NB_OF_ITEM	CKF_NB_OF_ITEM	Sum	
		AB CC_GBU	CC_GBU		🔍
		AB CC_UNIT_PRICE_TXT	CC_UNIT_PRICE_TXT		🔍
		12 CKF_UNIT_PRICE	CKF_UNIT_PRICE	Sum	
		AB C_COMPCDE_C_AUTHMA	C_COMPCDE_C_AUTHMA		🔍
		AB CC_SRC_UNIT	CC_SRC_UNIT		🔍
		AB CC_TGT_UNIT	CC_TGT_UNIT		🔍
		12 CKF_SRC_QTY	CKF_SRC_QTY	Sum	
		AB CC_SPEC_UNIT_CONV	CC_SPEC_UNIT_CONV		🔍
		12 CKF_TGT_QTY	CKF_TGT_QTY	Sum	
		AB CC_CLIENT	CC_CLIENT		🔍
		12 CKF_AMOUNT_SRC	CKF_AMOUNT_SRC	Sum	

Data extract (BW)

Only 2 data flows which take in charge through Open Hub of the extract of 2 Sale price's files likely to be copied respectively in WP1 and PF1.



The DTP extract data in full mode with some restriction

The file location is /exploit/BW/TP/

fsl_tpdata_from_bw_to_erp.csv
fsl_tpdata_from_bw_to_rcs.csv

20/06/2023 : PO2 project .

In SAP Transfer Price process will be split in ECO and SCO and will take place at SPIN OFF ECO/SCO (not D1)

4 new Open hub has been added to produce the new files (1 ECO , 1 SCO per SAP system)

Controlling - Transfer Price - Virtual Layer	IA_FMCO_CO_TP_VIR	Change	InfoProviders
OH Extract TP Sale Price Rhodia	OH_COTP01	Change	
OH Extract TP Sale Price Rhodia ECO	OH_TP1_EC	Change	
OH Extract TP Sale Price Rhodia SCO	OH_TP1_SC	Change	
OH Extract TP Sale Price SOLVAY	OH_COTP02	Change	
OH Extract TP Sale Price SOLVAY ECO	OH_TP2_EC	Change	
OH Extract TP Sale Price SOLVAY SCO	OH_TP2_SC	Change	
CPCOTP01	IA_FMCO_CO_TP_VIR	Change	InfoProviders

The structure of the files has been modified compared to SOLVAY one : Authorization object has been added.

Moreover , we apply a filter on the Authorization scope (C_COMPCODE__C_AUTHMA) when files are generated (filter in the DTP)

The file location is also /exploit/BW/TP/

fsl_tpdata_from_bw_to_erp_eco.csv

fsl_tpdata_from_bw_to_erp_sco.csv
fsl_tpdata_from_bw_to_rcs_eco.csv

fsl_tpdata_from_bw_to_rcs_sco.csv

The loading is scheduled by PC PC_FMCO_TP_01 on 3rd working day each month at 5:30

Filter

Change Selection
Show Technical Names

Material			+ x v f
IPCALMONFROM			+ x v f
IPCALMONTTO			+ x v f
IPOFFSET			+ x v f
Source System		to	+ x v f

MATERIAL : must be different the **Initial**

SOURCE SYSTEM :

- For Rhodia is driven by the following OLAP variable **V_0LOGSYS_0011**
- For Solvay is driven by the following OLAP variable **V_0LOGSYS_0012**

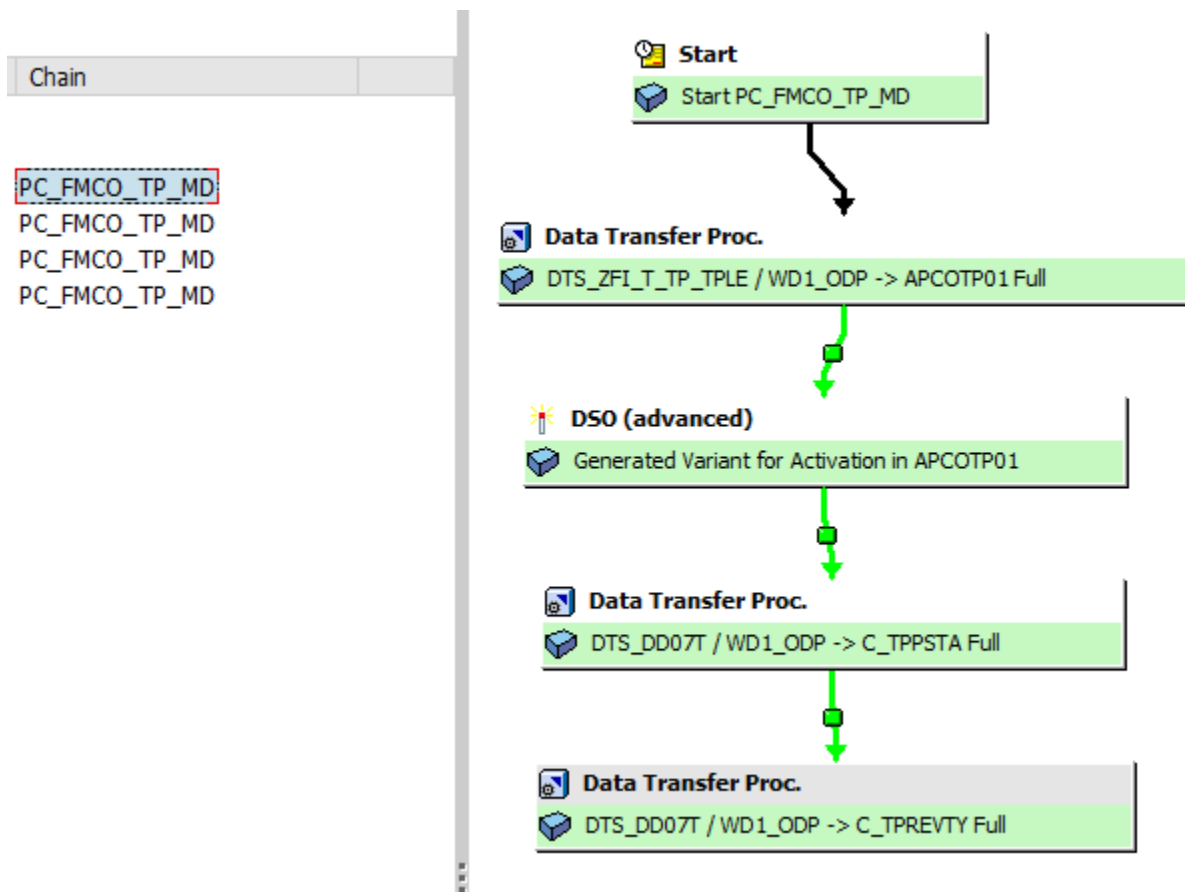
INPUT PARAMETERS IPCALMONFROM & IPCALMONTTO :

- Are calculated using global filters parameters EXTRPERIOD and CALCNBPER.
- if EXTRPERIOD is active (ACTIVE = Y) we are in recovery process and the LOW field value is taken into account for the calculation
- if EXTRPERIOD is inactive (ACTIVE <>Y) we are in recurring process and the current period is taken into account for the calculation
- if CALCNBPER is active (ACTIVE = Y) the calculation take is into account,
- if CALCNBPER is inactive (ACTIVE <>Y) the calculation use the default value = 3
- if OFFSET is active (ACTIVE = Y) the calculation take is into account,
- if OFFSET is inactive (ACTIVE <>Y) the calculation use the default value = 3

Data loading

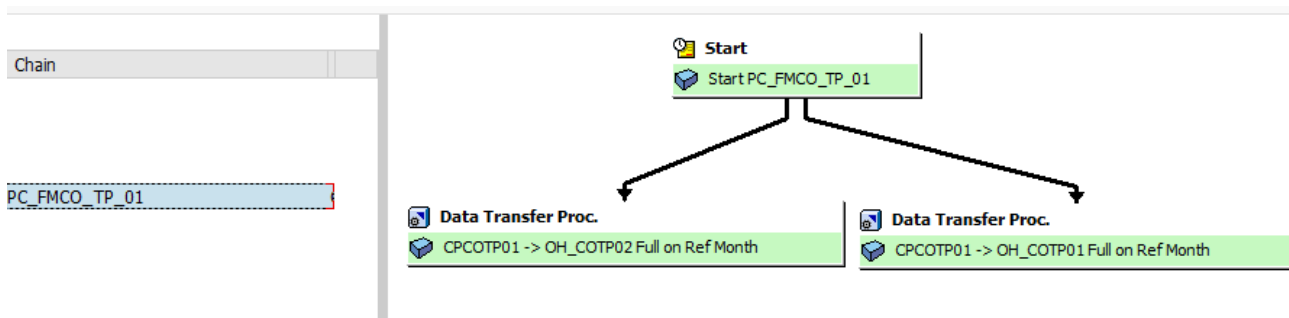
Process Chain

PC_FCMO_TP_MD : Controlling - TP - Master data



PC_FCMO_TP_01 : Controlling - TP - Sale Price Extracts

This process chain extracts launch the extract through Open Hub.



20/06/2023 : PO2 project : Generation of the 4 new files will be added in Process chain before PO2 Spin Off

Loading frequency

The Process chain is likely to be triggered once a month after the closing date (~2nd working day of each month according to FR calendar)

Average performance

In WB1 which was a refresh of WBP, and so with volumes likely to be equivalent to those observed in production in 2019S1 :

Status	Steps	Main	Chain	Log-Id	SubChains	Steps	Day	Date	Time	Runtime	Runtime [sec]	End Date	End Time
00	00	✓	PC FMCO TP 01	5J9XQ6MVZ3MJZAYDZ9YN5LC9V	0	3	TU	08.10.2019	16:10:35	00:00:30	30	08.10.2019	16:11:05
00	00	✓	PC FMCO TP 01	5J9YKP3ASPRF0OKA3FHUCB1WJ	0	3	TU	08.10.2019	14:31:58	00:00:29	29	08.10.2019	14:32:26
00	00	✓	PC FMCO TP 01	5JGC6ULCT8LBCFWFEZX2XEVZ7	0	3	TU	08.10.2019	09:22:49	00:00:28	28	08.10.2019	09:23:17
00	00	✓	PC FMCO TP 01	5JHS5XGDU3B37XQSOA5DJBOLF	0	3	TU	08.10.2019	09:08:38	00:00:27	27	08.10.2019	09:09:05
00	00	✓	PC FMCO TP 01	5JFTCJTYN55ZEUAJNL7BMFA03	0	3	TU	08.10.2019	09:01:30	00:00:28	28	08.10.2019	09:01:58
00	00	✓	PC FMCO TP 01	5JDFOR6QYFFT7D9XPN3HH1AW3	0	3	TH	03.10.2019	18:08:55	00:00:29	29	03.10.2019	18:09:24
00	00	✓	PC FMCO TP 01	5JDR6IQ3UOFM0ML2OAL1IC6LF	0	3	TH	03.10.2019	17:10:04	00:00:29	29	03.10.2019	17:10:33

Reporting

Queries End User Documentation

Queries

The 2 mains used query are :

BW_QRY_CPCOTP01_0003	Controlling - TP - Sale Price – Reporting
BW_QRY_CPCOTP01_0004	Controlling - TP - Sale Price – Reporting detail

Workbooks

BW_WBK_COTP_0001	Controlling - Sales Price - Synthesis
------------------	---------------------------------------

The query BW_QRY_CPCOTP01_0003 has been embedded in the BW_WBK_COTP_0001, in order to both :

- manage the layout respecting the finance corporate identity.

Last Update		10/10/19 4:35 PM														
Period : APR 2019																
Month/Year	Logic System	BFC Company		Global Business Unit	Material		Revenue Type	Currency	Base UOM	Total Sales Amount	Qty in Material Base UOM	Unit Sale Price	Price unit	Nber COPA Items	Nber COPA Items RecType = F	
04.2019	DF1 Client 020	1		SOLVAY (SCH)	PEROXIDES	22517	DBC *DV	ABEURP	EUR	KG	472 366,08 EUR	54 678 KG	8 639,000	1 000	3	3
04.2019	DF1 Client 020	1		SOLVAY (SCH)	PEROXIDES	22517	DBC *DV	ABEXRP	EUR	KG	2 396 883,28 EUR	281 155 KG	8 525,127	1 000	17	17
04.2019	DF1 Client 020	1		SOLVAY (SCH)	PEROXIDES	22517	DBC *DV	DORP	EUR	KG	1 119 955,93 EUR	129 640 KG	8 639,000	1 000	7	7
04.2019	DF1 Client 020	1		SOLVAY (SCH)	PEROXIDES	102959	EG ETHYL ANTHRAGUINONE * 88500	ABEXRP	EUR	KG	305 054,09 EUR	12 080 KG	25 417,000	1 000	1	1
04.2019	DF1 Client 020	1		SOLVAY (SCH)	PEROXIDES	102967	2-MCHA * GR	ABEURP	EUR	KG	96 816,64 EUR	23 940 KG	4 202,111	1 000	2	2
04.2019	DF1 Client 020	1		SOLVAY (SCH)	PEROXIDES	102967	2-MCHA * GR	ABEXRP	EUR	KG	284 619,53 EUR	75 120 KG	3 788,865	1 000	4	4

- provide some technical information, in case of off line broadcast

A	B	C	D	E	F	G
	Variable			Technical Name		
	Current Calmonth Pre-filled (Exit Single mandatory)		APR 2019	Nom source données	Controlling - TP - Sale Price - Reporting	
	TP - SP - Reporting Calmonth From		JAN 2019	Nom technique de la requête	BW_QRY_CPCOTP01_0003	
	TP - SP - Reporting Calmonth To		MAR 2019	Nom technique InfoProvider	CPCOTP01	

Jump

A query jump has been customized from the Synthesis Query to the detailed one, in order to allow the user to get the detail at the Item COPA document level for a specific record of the synthesis.

Last Update: 10/10/19 4:35 PM															
Period : APR 2019															
Month Year	Anal	- 8 - A - 50 - % 000		Global Business Unit	Material	Revenue Type	Currency	Base UOM	Total Sales Amount	Qty In Material Base UOM	Unit Sale Price	Price unit	Nber COPA Items	Nber COPA Items RecType = F	
04/2019	DP1 Client 600	1		SOLVAY (SCH)	PEROXIDES	22517 DBC "DIV	ABEXRP	EUR KG	472 568,08 EUR	54 878 KG	8 639,000	1 000	3	3	
04/2019	DP1 Client 600	1		SOLVAY (SCH)	PEROXIDES	22517 DBC "DIV	ABEXRP	EUR KG	2 396 083,28 EUR	281 155 KG	8 525,127	1 000	17	17	
04/2019	Options de collage :			SOLVAY (SCH)	PEROXIDES	22517 DBC "DIV	DORP	EUR KG	1 119 955,93 EUR	129 940 KG	8 635,000	1 000	7	7	
04/2019				SOLVAY (SCH)	PEROXIDES	102989 EG ETHYLANTHRACQUINE + BB500	ABEXRP	EUR KG	365 904,00 EUR	12 000 KG	25 417,000	1 000	1	1	
04/2019	Filtrer membres			SOLVAY (SCH)	PEROXIDES	102967 2-MICHA + GR	ABEXRP	EUR KG	96 816,64 EUR	23 940 KG	4 202,111	1 000	2	2	
04/2019	Filtrer membres et permettre avec :			SOLVAY CHEM INT	PEROXIDES	102967 2-MICHA + GR	ABEXRP	EUR KG	284 619,53 EUR	75 120 KG	3 788,865	1 000	4	4	
04/2019	Filtrer autres membres :			SOLVAY CHEM INT	PEROXIDES	14886 Chlorure Al residu "LH	ABEUTP	EUR KG	29 701,61 EUR	1 129 340 KG	26,300	1 000	51	51	
04/2019	Filtrer autres membres :			SOLVAY CHEM INT	PEROXIDES	19944 CH Na 98 "PO	ABEUTP	EUR KG	1 833 768,62 EUR	4 053 890 KG	452,351	1 000	168	168	
04/2019	Filtrer par membres :			SOLVAY CHEM INT	PEROXIDES	35027 H2O2 ST-300	ABEUTP	EUR KG	11 999,62 EUR	49 180 KG	244,000	1 000	5	5	
04/2019	Sélectionner tous les membres :			SOLVAY CHEM INT	PEROXIDES	35027 H2O2 ST-300	ABEUTP	EUR KG	2 275,20 EUR	14 220 KG	160,000	1 000	1	1	
04/2019	Filtrer par indicateurs :			SOLVAY CHEM INT	PEROXIDES	35028 H2O2 ST-350	ABEUTP	EUR KG	858 564,49 EUR	3 228 940 KG	265,921	1 000	155	155	
04/2019	Trier par ordre croissant :			SOLVAY CHEM INT	PEROXIDES	35028 H2O2 ST-350	ABEUTP	EUR KG	481 186,24 EUR	1 687 900 KG	285,505	1 000	93	93	
04/2019	Trier par ordre croissant :			SOLVAY CHEM INT	PEROXIDES	35028 H2O2 ST-350	DORP	EUR KG	44 282,18 EUR	218 300 KG	202,850	1 000	9	9	
04/2019	Trier par ordre décroissant :			SOLVAY CHEM INT	PEROXIDES	35028 H2O2 ST-350	DOTP	EUR KG	93 141,27 EUR	457 680 KG	203,587	1 000	20	20	
04/2019	Membres :			SOLVAY CHEM INT	PEROXIDES	35029 H2O2 ST-500	ABEUTP	EUR KG	11 119 091,13 EUR	37 418 688 KG	297,153	1 000	1 214	1 214	
04/2019	Totaux :			SOLVAY CHEM INT	PEROXIDES	35029 H2O2 ST-500	ABEUTP	EUR KG	2 391 803,57 EUR	7 648 576 KG	312,712	1 000	330	330	
04/2019	Grouper membres :			SOLVAY CHEM INT	PEROXIDES	35029 H2O2 ST-500	DOTP	EUR KG	712 594,36 EUR	2 558 940 KG	278,472	1 000	159	159	
04/2019	Nouvelles lignes :			SOLVAY CHEM INT	PEROXIDES	35030 H2O2 ST-600	ABEUTP	EUR KG	1 023 706,60 EUR	3 028 771 KG	337,994	1 000	80	80	
04/2019	Formater cellules :			SOLVAY CHEM INT	PEROXIDES	35030 H2O2 ST-600	ABEXRP	EUR KG	540 769,48 EUR	670 139 KG	806,951	1 000	49	32	
04/2019	Saut :			SOLVAY CHEM INT	PEROXIDES	35030 H2O2 ST-600	ABEUTP	EUR KG	2 187 686,75 EUR	7 784 033 KG	278,456	1 000	371	367	
04/2019	DP1 Client 600	1		SOLVAY CHEM INT	PEROXIDES	35031 H2O2 ST-700	ABEUTP	EUR KG	216 815,00 EUR	618 900 KG	350,000	1 000	25	25	
04/2019	DP1 Client 600	1		SOLVAY CHEM INT	PEROXIDES	35031 H2O2 ST-700	ABEUTP	EUR KG	175 217,68 EUR	391 190 KG	448,012	1 000	16	16	
04/2019	DP1 Client 600	1		SOLVAY CHEM INT	PEROXIDES	35031 H2O2 ST-700	ABEUTP	EUR KG	2 344 834,02 EUR	5 192 620 KG	451,571	1 000	255	255	

Of course, the number of retrieved records and overall results are in aligned with the synthesis source record

Logic System	CO-AREA	BFC Company	Global Business Unit	Material	Revenue Type	COPA Document	COPA Item	Currency	Base UOM	Total Sales Amount	Qty In Material Base UOM	Unit Sale Price	Price unit	Nber COPA Items	Nber COPA Items RecType = F
DF1 Client 020	CHEF	ERP SOLVAY	SOLVAY (SCH)	PEROXIDES	22517 DIBC "DIV	ABEXRP	#	EUR	KG	170 708,50	19 586	8 715,797	1 000	1	1
						0031403822	#	EUR	KG	140 692,93	18 000	7 816,274	1 000	1	1
						0031503840	#	EUR	KG	159 005,35	18 000	8 789,949	1 000	1	1
						0031503842	#	EUR	KG	158 925,62	18 000	8 789,949	1 000	1	1
						0031522826	#	EUR	KG	140 237 230,27	18 000	7 790 957,237	1 000	1	1
						0031537031	#	EUR	KG	-140 237 230,27	-18 000	7 790 957,237	1 000	1	1
						0031537035	#	EUR	KG	140 139,09	18 000	7 785,505	1 000	1	1
						0031555817	#	EUR	KG	155 502,00	18 000	8 639,000	1 000	1	1
						0031623133	#	EUR	KG	180 280,29	20 513	8 788,400	1 000	1	1
						0031633351	#	EUR	KG	141 188,91	18 000	7 843,828	1 000	1	1
						0031672020	#	EUR	KG	162 774,56	18 000	8 782,594	1 000	1	1
						0031672022	#	EUR	KG	167 873,71	19 114	8 782,593	1 000	1	1
						0031847294	#	EUR	KG	175 671,75	19 994	8 786,076	1 000	1	1
						0031852282	#	EUR	KG	141 176,47	18 000	7 843,137	1 000	1	1
						0031854407	#	EUR	KG	166 027,35	18 897	8 786,076	1 000	1	1
						0031854408	#	EUR	KG	164 991,17	18 779	8 786,076	1 000	1	1
						0031854409	#	EUR	KG	171 925,58	19 568	8 786,076	1 000	1	1
										2 396 083,28	281 155	8 525,127	1 000	17	17

Broadcast

Maintenance

Init/Recovery procedure

By init/recovery procedure we mean manage the reference period which drives the extraction of the 2 files in process chain : PC_FCMO_TP_01 .

The common parameter that have to be managed is located in the C_GLBFLT master data attributes

For the following key

Global Filter Stream (Application)	"Global Filter Rule"	"Global Filter"
TP_SP	EXTRPERIOD	1

You have to set :

- Global Filter Active = Y
- Global Filter Low Value = the wished month (ie 201904)

Global Filter Stream (Application)	"Global Filter Rule"	"Global Filter"	Global Filter Active	Global Filter Description	Global Filter Hight Value	Global Filter Low Value	Global Filter Option	Global Filter Sign
TP_SP	EXTRPERIOD	1	Y	Recovery Extract Period		201904	EQ	I

Once the recovery process is over, do not forget to inactive the parameter for the recurring process which takes into account the current month.

You have to set :

- Global Filter Active = N
- Global Filter Low Value = the wished month (ie 201904)

Global Filter Stream (Application)	"Global Filter Rule"	"Global Filter"	Global Filter Active	Global Filter Description	Global Filter Hight Value	Global Filter Low Value	Global Filter Option	Global Filter Sign
TP_SP	EXTRPERIOD	1	N	Recovery Extract Period		201904	EQ	I

Additional links

Edit

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