Technical Documentation - Transfer Price historical sales

Access Management

Roles & Access

List of application role + menu role and explanation if we have several applications role with specials rules.

Role Code	Role Description	Explanation
ZR_RCS_CA_M67	Transfert Price Historical Sales	Menu Role
ZBI_RCS_CO_A25	TP – Transfert Price Historical Sales - End User role	Application Role

Authorization Objects

List of authorization objects mandatory for the application.

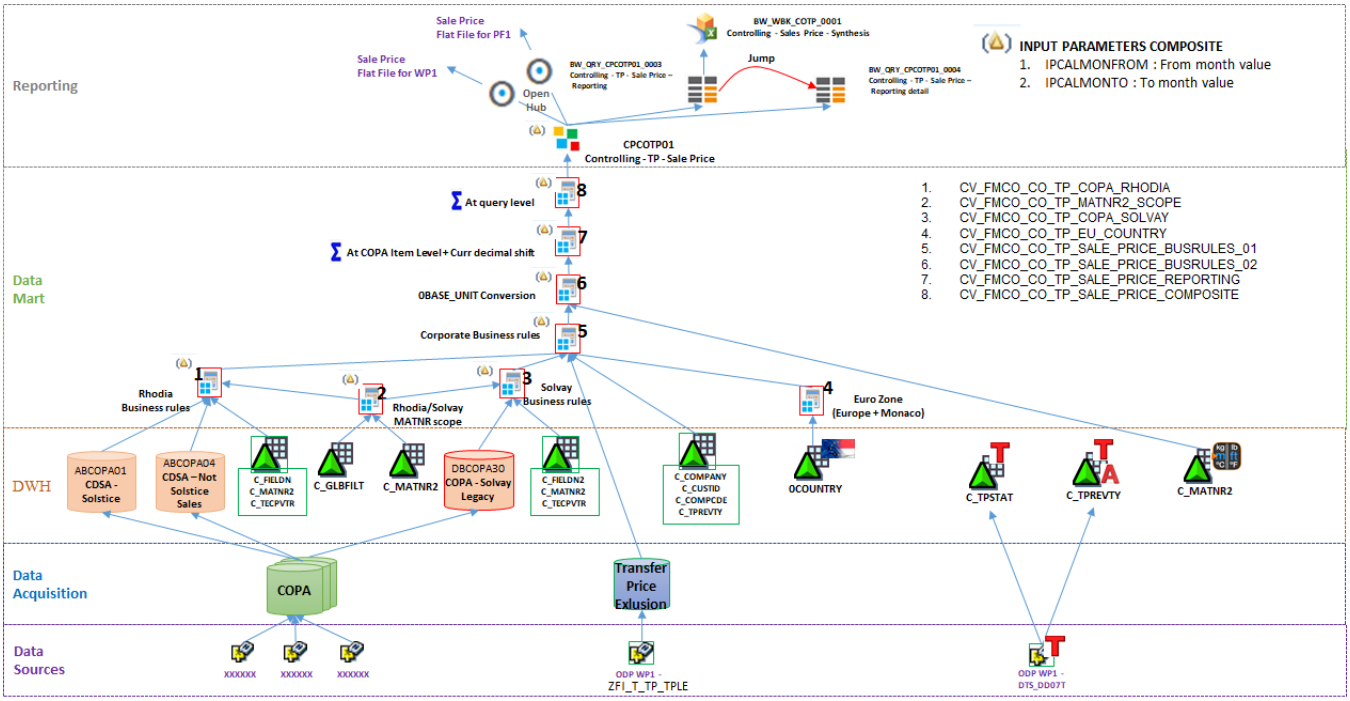
Authorization object	Explanation
CPFCTR1_2	BFC Global Business Unit ZR_*_CA_P05
C_AUTHMA	Authorization Scope ZR_*_CA_P00

See also file maintained by Authorization team :

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

DataFlow

Overview



List of contacts

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

Technical Rules on Workbench

Systems involved

- Rhodia ERP WP1
- Solvay ERP PF1

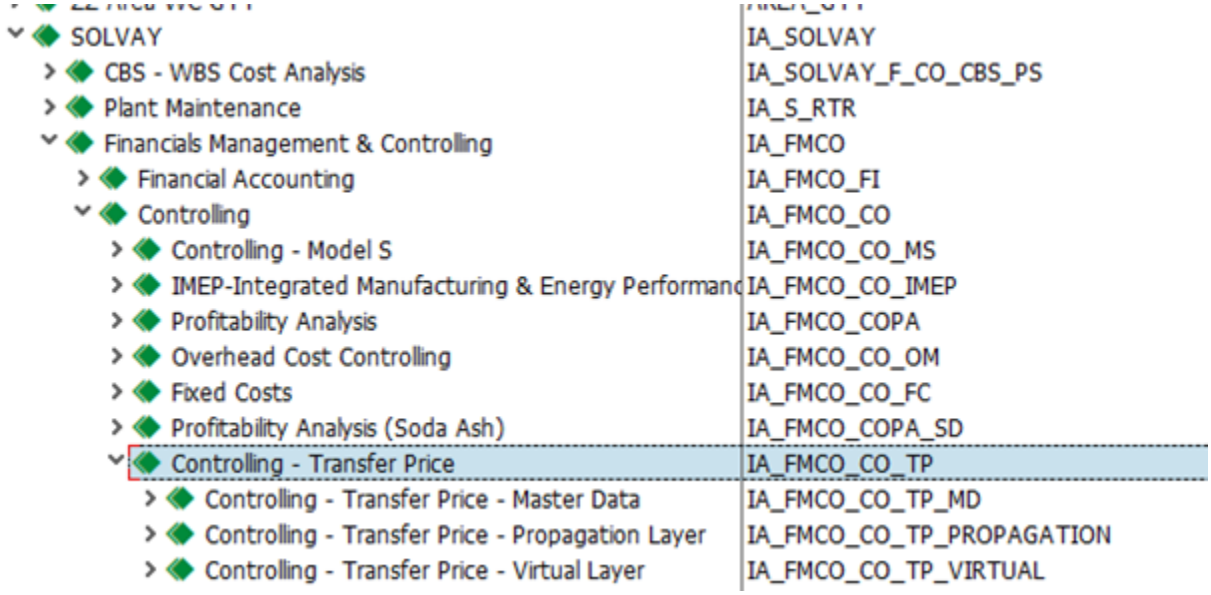
Subject

Retrieved data are coming from PF1 and WP1 COPA module.

Data Model

Info providers and objects

InfoAreas



DSOs / aDSOs

implemented by another project

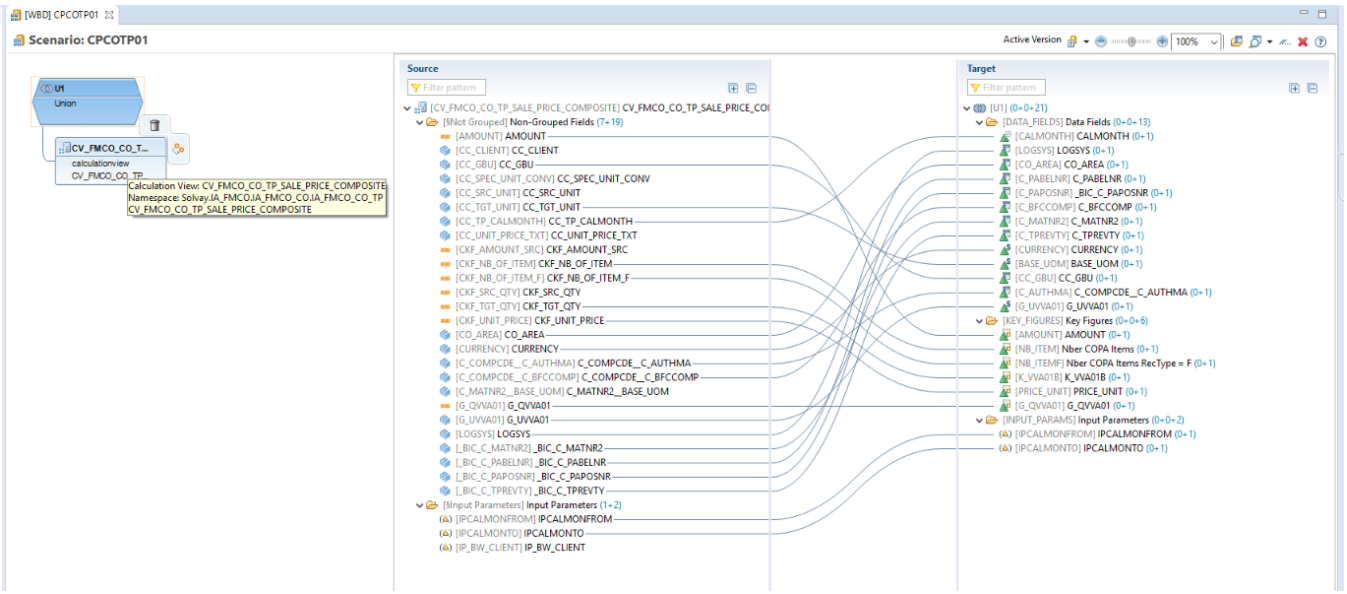
- DBCOPA30 - COPA - Solvay Legacy
- ABCOPA01 - CDSA – Solstice
- ABCOPA04 - CDSA – Not Solstice

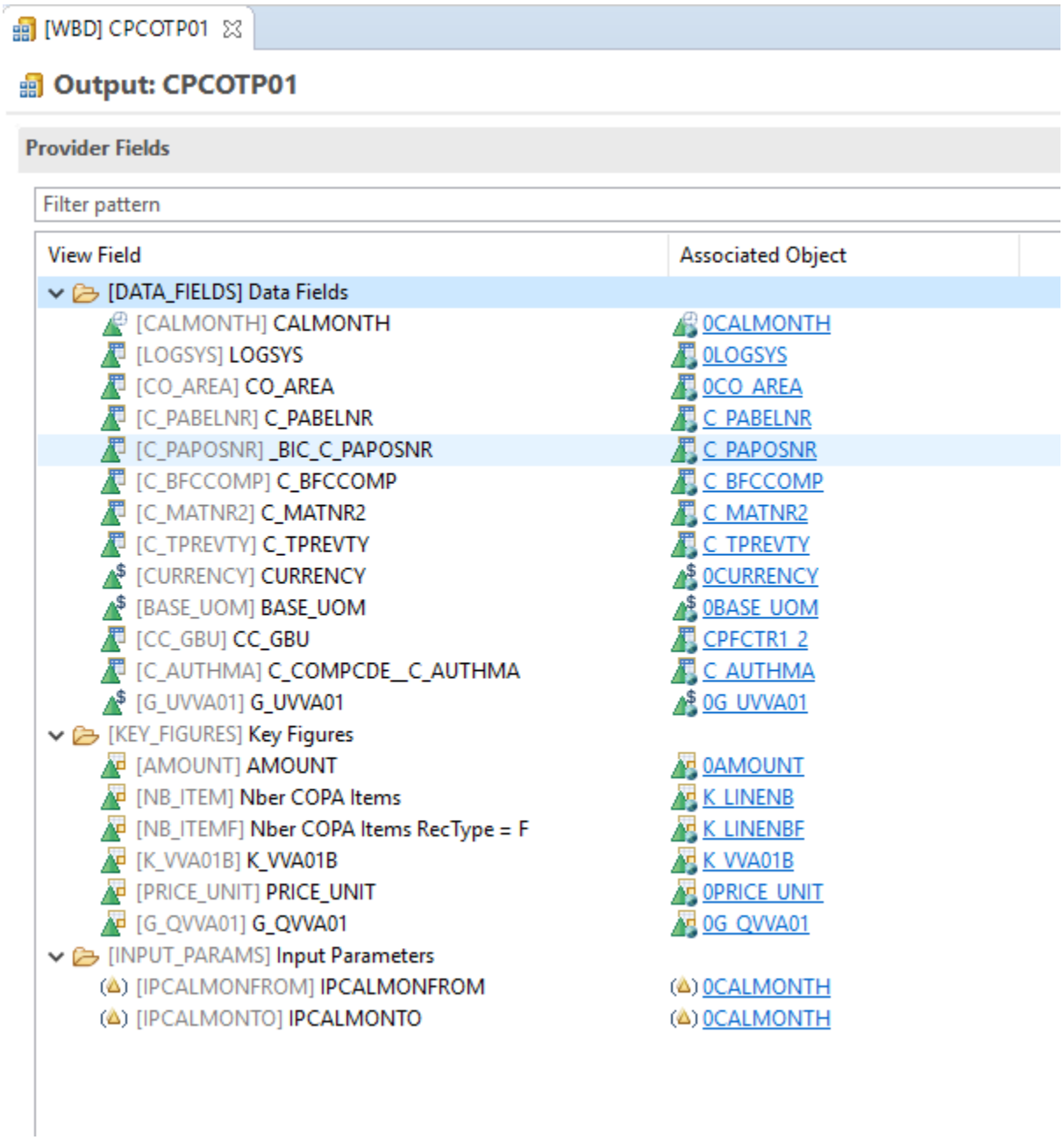
Implemented by the Transfer Price project

- APCOTP01 - Transfer price - Entity third party Except

Composite Providers

- CPCOTP01 - Controlling - TP - Sale Price


[WBD] CPCOTP01
Scenario: CPCOTP01
Active Version
100%
U1
Union
CV_FMCO_CO_T...
calculationview
CV_FMCO_CO_TP...
Calculation View: CV_FMCO_CO_TP_SALE_PRICE_COMPOSITE
Namespace: Solvay.IA_FMCO.IA_FMCO_CO.IA_FMCO_CO_TP
CV_FMCO_CO_TP_SALE_PRICE_COMPOSITE
Source
Filter pattern
[CV_FMCO_CO_TP_SALE_PRICE_COMPOSITE] CV_FMCO_CO_TP_SALE_PRICE_COI
[$Not Grouped] Non-Grouped Fields (7+19)
[AMOUNT] AMOUNT
[CC_CLIENT] CC_CLIENT
[CC_GBU] CC_GBU
[CC_SPEC_UNIT_CONV] CC_SPEC_UNIT_CONV
[CC_SRC_UNIT] CC_SRC_UNIT
[CC_TGT_UNIT] CC_TGT_UNIT
[CC_TP_CALMONTH] CC_TP_CALMONTH
[CC_UNIT_PRICE_TXT] CC_UNIT_PRICE_TXT
[CKF_AMOUNT_SRC] CKF_AMOUNT_SRC
[CKF_NB_OF_ITEM] CKF_NB_OF_ITEM
[CKF_NB_OF_ITEM_F] CKF_NB_OF_ITEM_F
[CKF_SRC_QTY] CKF_SRC_QTY
[CKF_TGT_QTY] CKF_TGT_QTY
[CKF_UNIT_PRICE] CKF_UNIT_PRICE
[CO_AREA] CO_AREA
[CURRENCY] CURRENCY
[C_COMPCDE__C_AUTHMA] C_COMPCDE__C_AUTHMA
[C_COMPCDE__C_BFCCOMP] C_COMPCDE__C_BFCCOMP
[C_MATNR2__BASE_UOM] C_MATNR2__BASE_UOM
[G_QVVA01] G_QVVA01
[G_UVVA01] G_UVVA01
[LOGSYS] LOGSYS
[_BIC_C_MATNR2] _BIC_C_MATNR2
[_BIC_C_PABELNR] _BIC_C_PABELNR
[_BIC_C_PAPOSNR] _BIC_C_PAPOSNR
[_BIC_C_TPREVTY] _BIC_C_TPREVTY
[$Input Parameters] Input Parameters (1+2)
[IPCALMONFROM] IPCALMONFROM
[IPCALMONTO] IPCALMONTO
[IP_BW_CLIENT] IP_BW_CLIENT
Target
Filter pattern
[U1] (0+0+21)
[DATA_FIELDS] Data Fields (0+0+13)
[CALMONTH] CALMONTH (0+1)
[LOGSYS] LOGSYS (0+1)
[CO_AREA] CO_AREA (0+1)
[C_PABELNR] C_PABELNR (0+1)
[C_PAPOSNR] _BIC_C_PAPOSNR (0+1)
[C_BFCCOMP] C_BFCCOMP (0+1)
[C_MATNR2] C_MATNR2 (0+1)
[C_TPREVTY] C_TPREVTY (0+1)
[CURRENCY] CURRENCY (0+1)
[BASE_UOM] BASE_UOM (0+1)
[CC_GBU] CC_GBU (0+1)
[C_AUTHMA] C_COMPCDE__C_AUTHMA (0+1)
[G_UVVA01] G_UVVA01 (0+1)
[KEY_FIGURES] Key Figures (0+0+6)
[AMOUNT] AMOUNT (0+1)
[NB_ITEM] Nber COPA Items (0+1)
[NB_ITEMF] Nber COPA Items RecType = F (0+1)
[K_VVA01B] K_VVA01B (0+1)
[PRICE_UNIT] PRICE_UNIT (0+1)
[G_QVVA01] G_QVVA01 (0+1)
[INPUT_PARAMS] Input Parameters (0+0+2)
[IPCALMONFROM] IPCALMONFROM (0+1)
[IPCALMONTO] IPCALMONTO (0+1)



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_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__0COMPANY) 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 (0DOC_CURRCY) <> 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_GLBFILT - Global Filter**

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

Table: /BIC/PC_GLBFILT

/BIC/C_STREAM	/BIC/C_RULE	/BIC/C_GLBFILT	OBJVERS	CHANGED	/BIC/C_DESC	/BIC/C_SIGN	/BIC/C_OPTION	/BIC/C_LOW	/BIC/C_HIGH	/BIC/C_ACTIVE
TP_SP	BWCLIENT	001	A		BW Clein tFor HANA	I	EQ	400		Y
TP_SP	CALCNBPER	001	A		Nb of Calculation period	I	EQ	3		Y
TP_SP	EXTRPERIOD	001	A		Recovery Extract Period	I	EQ			N
TP_SP	MATNR_WX1	001	A		Exclude MATNR2 Z710	E	EQ	Z710		Y
TP_SP	MATNR_WX1	002	A		Exclude MATNR2 ZDIE	E	EQ	ZDIE		Y
TP_SP	MATNR_WX1	003	A		Exclude MATNR2 ZNLA	E	EQ	ZNLA		Y
TP_SP	MATNR_WX1	004	A		Exclude MATNR2 ZUNB	E	EQ	ZUNB		Y
TP_SP	MATNR_XF1	001	A		Exclude MATNR2 Z710	E	EQ	Z710		Y
TP_SP	MATNR_XF1	002	A		Exclude MATNR2 ZR09	E	EQ	ZR09		Y
TP_SP	MATNR_XF1	003	A		Exclude MATNR2 Z709	E	EQ	Z709		Y
TP_SP	OFFSET	001	A		Nb of Month OFFSET	I	EQ	1		Y

- 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

- Transcational data was already available in the COPA data model, no new transactional extractor has been activated. More information on AB COPA01, ABCOPA04 and DBCOPA30 in P&L documentation.

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

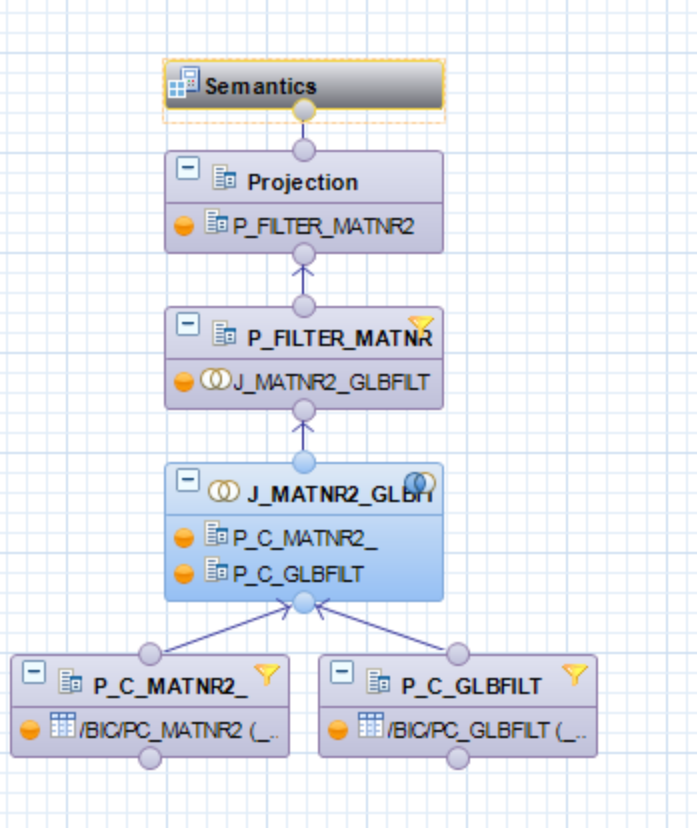
HANA Calculation views

- 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 :

- CV_FMCO_CO_TP_MATNR2_SCOPE

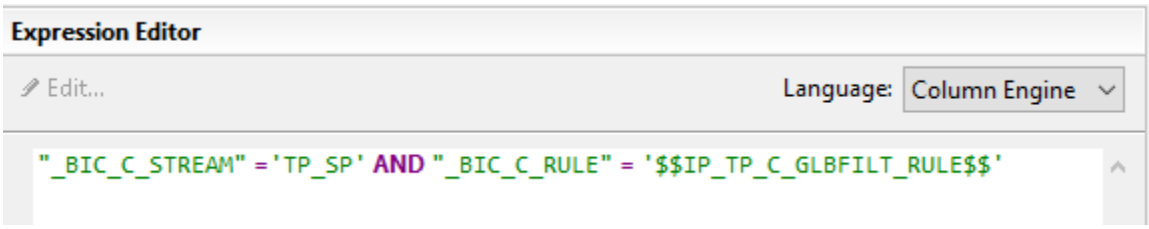


This caclulation view provides the scope of MATERIAL that have to be taken into account, after application of the exclusion MATL_TYPE managed through the global filter table.

Table: /BIC/PC_GLBFILT

/BIC/C_STREAM	/BIC/C_RULE	/BIC/C_GLBFILT	OBJVE...	CHANGED	/BIC/C_DESC	/BIC/C_SIGN	/BIC/C_OPTION	/BIC/C_LOW	/BIC/C_HIGH	/BIC/C_ACTIVE
TP_SP	MATNR_WX1	001	A		Exclude MATNR2 Z710	E	EQ	Z710		Y
TP_SP	MATNR_WX1	002	A		Exclude MATNR2 ZDIE	E	EQ	ZDIE		Y
TP_SP	MATNR_WX1	003	A		Exclude MATNR2 ZNLA	E	EQ	ZNLA		Y
TP_SP	MATNR_WX1	004	A		Exclude MATNR2 ZUNB	E	EQ	ZUNB		Y
TP_SP	MATNR_XF1	001	A		Exclude MATNR2 Z710	E	EQ	Z710		Y
TP_SP	MATNR_XF1	002	A		Exclude MATNR2 ZR09	E	EQ	ZR09		Y
TP_SP	MATNR_XF1	003	A		Exclude MATNR2 Z709	E	EQ	Z709		Y

The restriction is done through the following filter expression

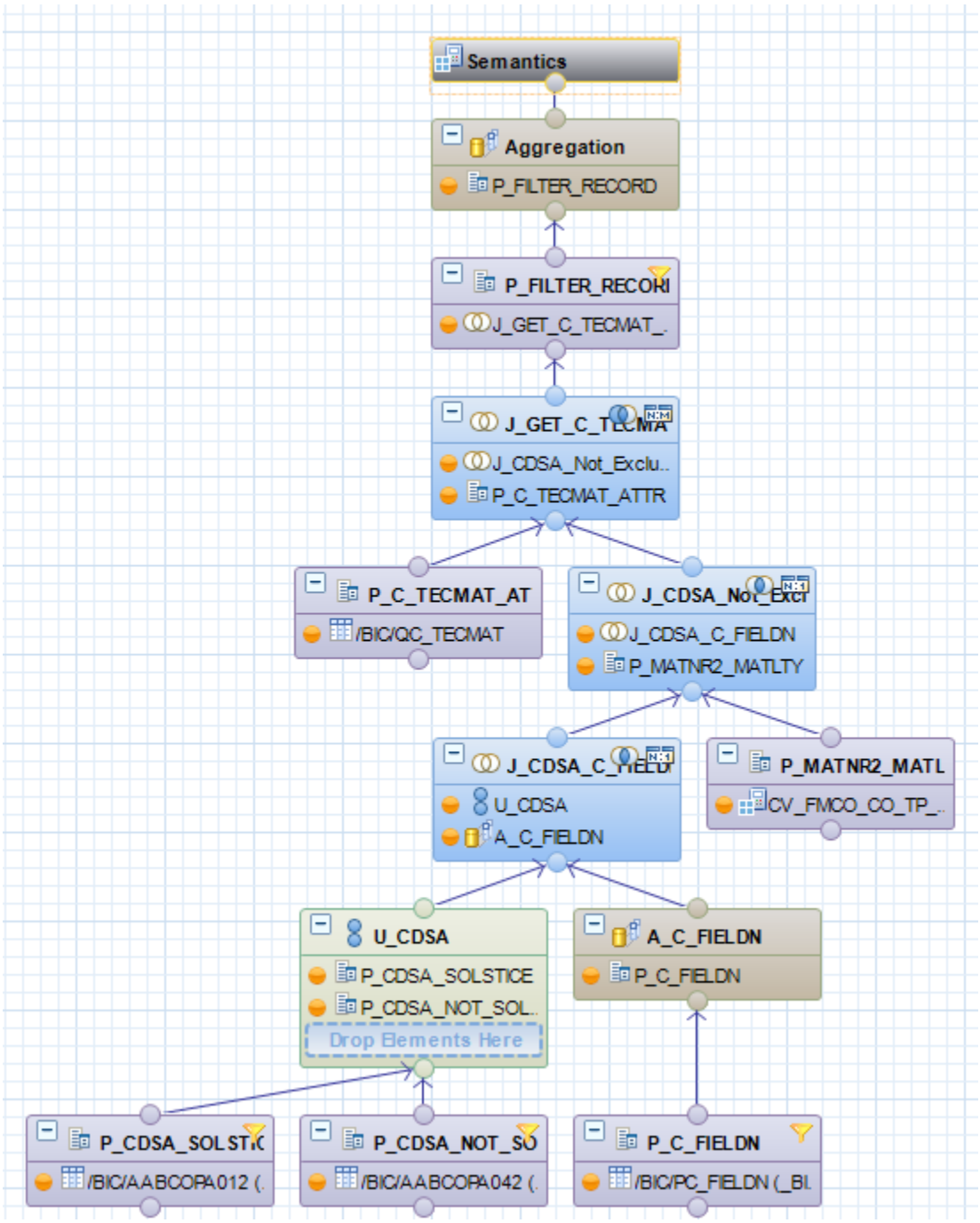


Where IP_TP_C_GLBFILT_RULE is an input parameter populated by the master view which embeds the current view either :

- CV_FMCO_CO_TP_COPA_RHODIA
- CV_FMCO_CO_TP_COPA_SOLVAY

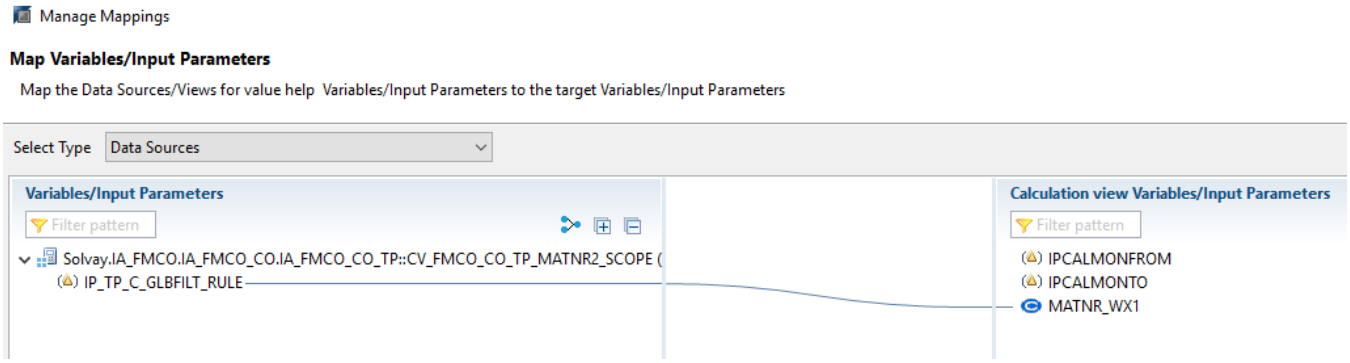
The parameter is populated by a constant in the calculation view input parameter mapping.

- CV_FMCO_CO_TP_COPA_RHODIA :



this Calculation views takes in charge

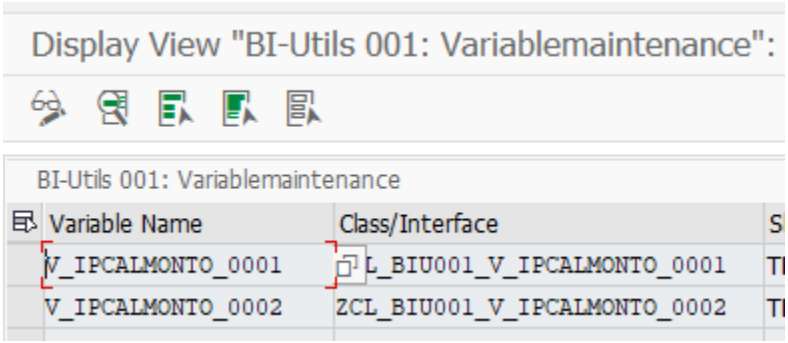
- all the Rhodia specific business rules in particluar
- UNION of data coming from the differnt SOLSTICE aDSOs
    - Value Field restriction based on C_FIELDN master data
    - GBU recovery using C _TECMAT attributes
    - the restriction on Material scope based on CV_FMCO_CO_TP_MATNR2_SCOPE with the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



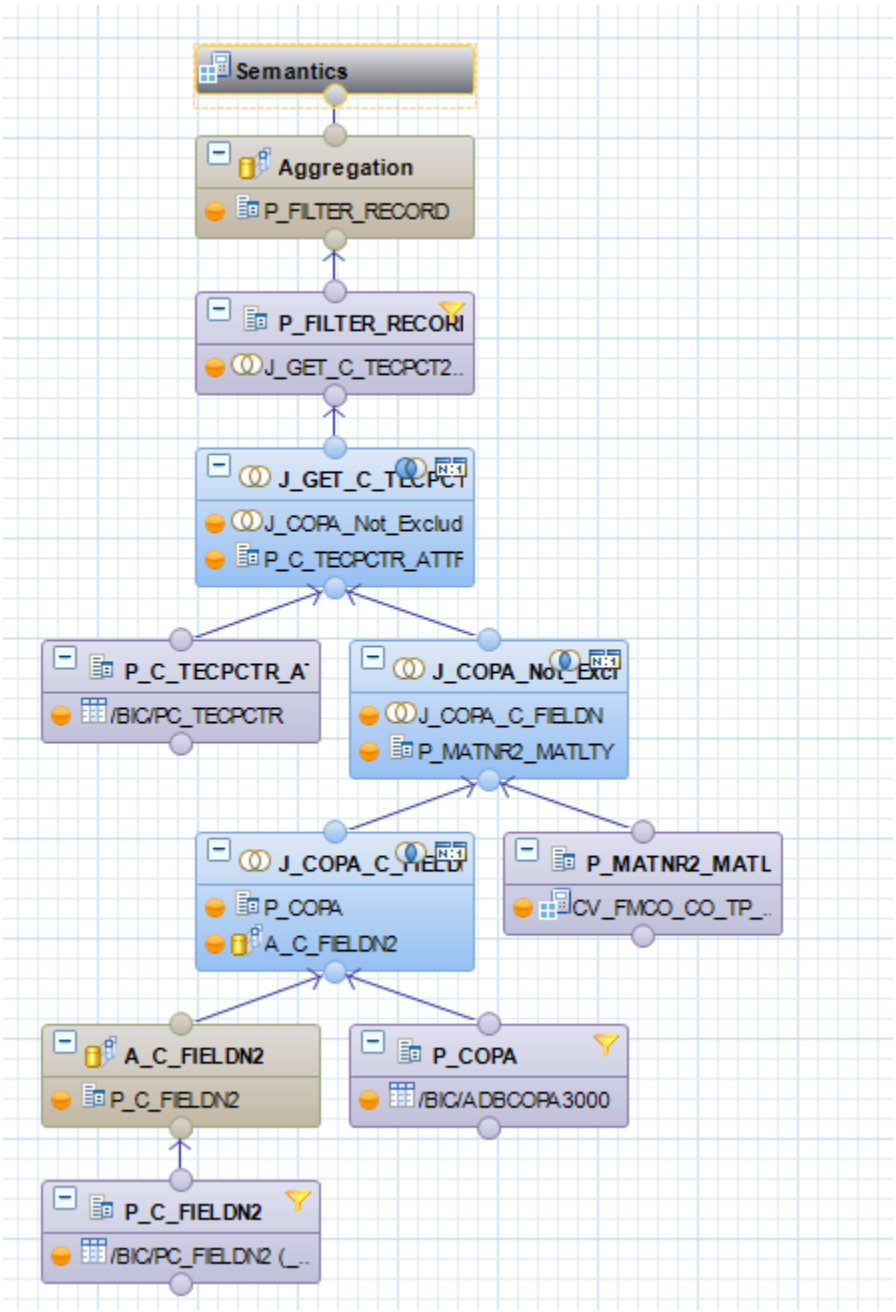
- In addition, there is a restriction on the scope of COPA document based on the following filter :

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

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

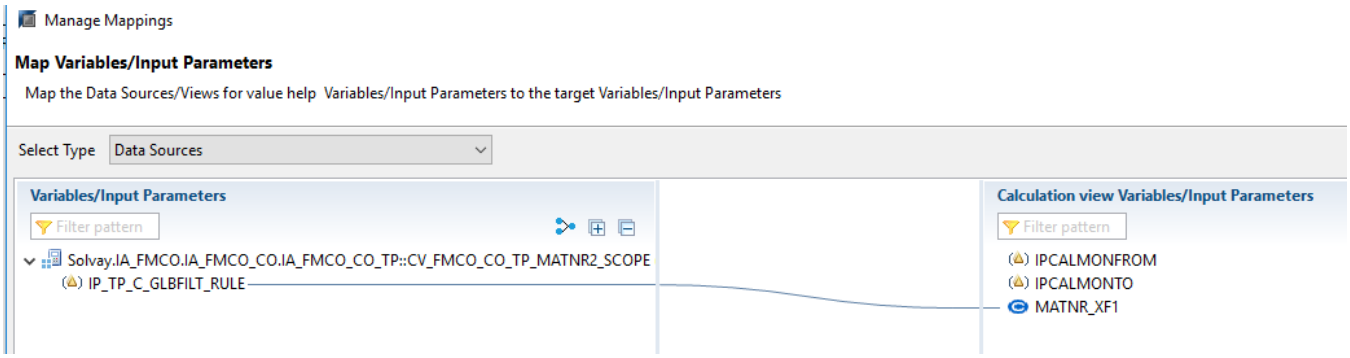


- CV_FMCO_CO_TP_COPA_SOLVAY



this Calculation views takes in charge

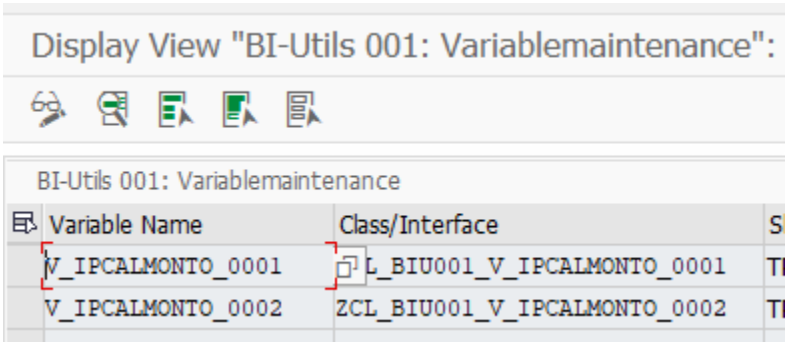
- all the Rhodia specific business rules in particluar
    - Value Field restriction based on C_FIELDN2 master data
    - GBU recovery using C _TECPCTR attributes
    - the restriction on Material scope based on CV_FMCO_CO_TP_MATNR2_SCOPE with the following Input Parameter :



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

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

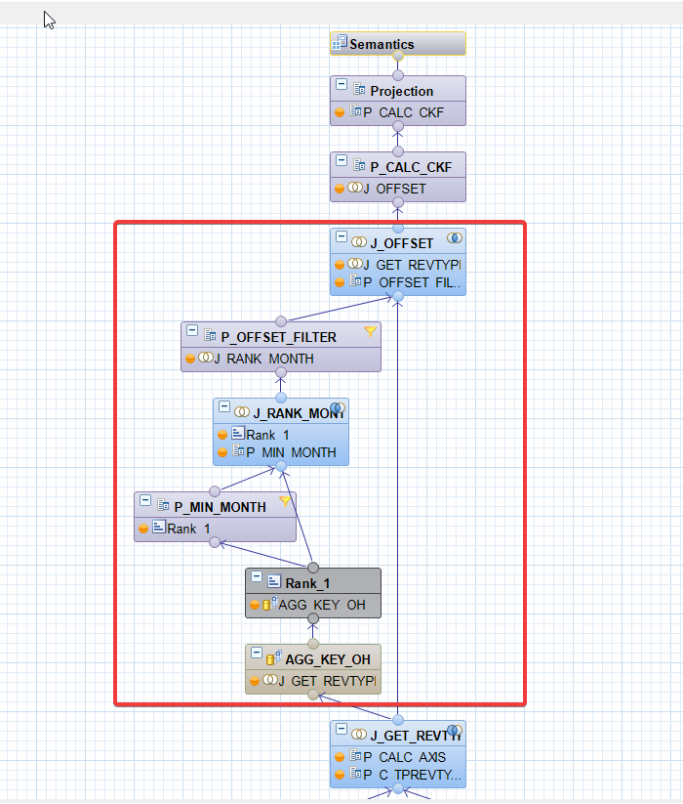
where Input parameters are driven either by DTP or Query exit variables and related BADIs



- CV_FMCO_CO_TP_SALE_PRICE_BUSRULES_01


Semantics
Projection
P_CALC_CKF
P_CALC_CKF
J_GET_REVTYPE
J_GET_REVTYPE
P_CALC_AXIS
P_C_TPREVTYP_AT
P_CALC_AXIS
J_GET_C_COMPCDE
P_C_TPREVTYP_
/BIC/PC_TPREVTY
J_GET_C_COMPC
J_GET_SHIP_COUN
P_COUNTRY_ATTR
J_GET_SHIP_C
J_GET_EXLUDED_C
P_COUNTRY_ATTR
J_GET_EXLUDED_
J_GET_C_COMPAN_
P_KEEP_EXCLUDED
P_COUNTRY_ATT
CV_FMCO_CO_TP_
P_KEEP_EXCLUDE
J_GET_BFCCOMP_E
J_GET_BFCCOMP
J_GET_C_COMPAN_
P_TP_BFCCOMP_EX
P_TP_BFCCOMP_
/BIC/AAPCOTP012
J_GET_C_COMPA
J_GET_SHIPID_ATTR
P_C_COMPCDE_ATT
J_GET_SHIPID_AT
J_GET_C_PCOMPAN
P_C_CUSTID_ATTR
P_C_COMPCDE_A
/BIC/PC_COMPCDE
J_GET_C_PCOMP
U_CDSA_RHODIA_
P_C_COMPANY_ATT
P_C_CUSTID_ATT
/BIC/PC_CUSTID
U_CDSA_RHODIA_
P_CDSA_RHODIA
P_COPA_SOLVAY
Drop Elements Here
P_C_COMPANY_A
/BIC/PC_COMPANY
P_CDSA_RHODIA
CV_FMCO_CO_TP_
P_COPA_SOLVAY
CV_FMCO_CO_TP_

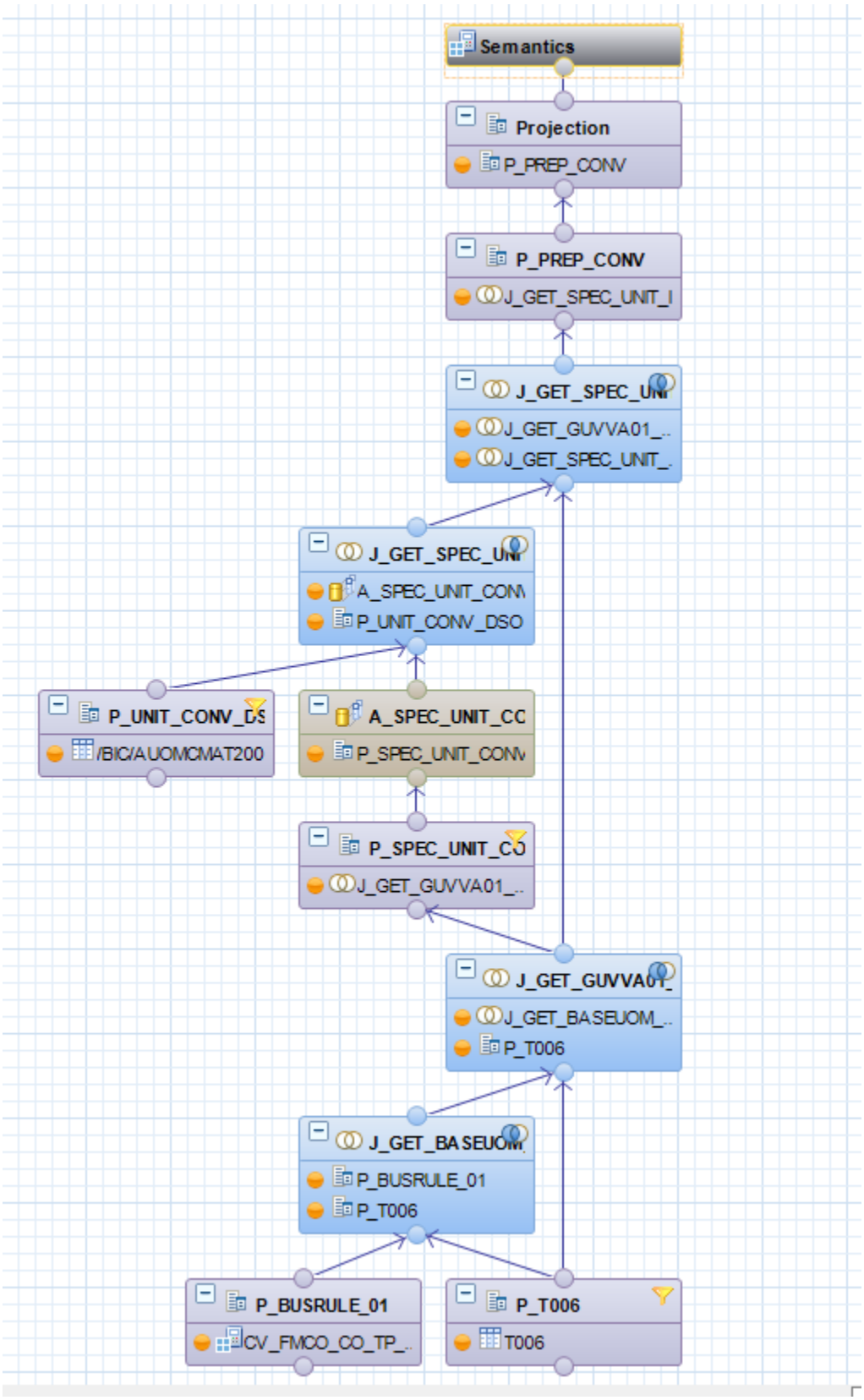
- CV_FMCO_CO_TP_SALE_PRICE_BUSRULES_01 - New block for OFFSET parameter restriction



This calculation view

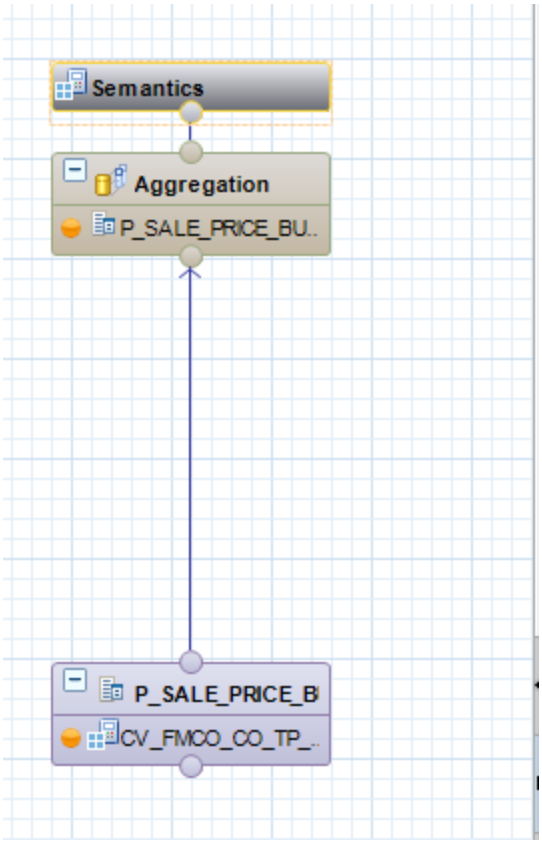
- merges the data RHODIA and SOLVAY data coming from the specific sub views
- enrichs the data in order to apply the corporate business rules,
  - Axys of analysis clauclation in particular the REVENUE TYPE and its compoundings
  - KPI calculation
- Restrict data by month by keys from the offset parameters

- CV_FMCO_CO_TP_SALE_PRICE_BUSRULES_02



This calculation view takes in charge all the UNIT CONVERSION logic using joins with T006 and UOMCMAT2 DSO.

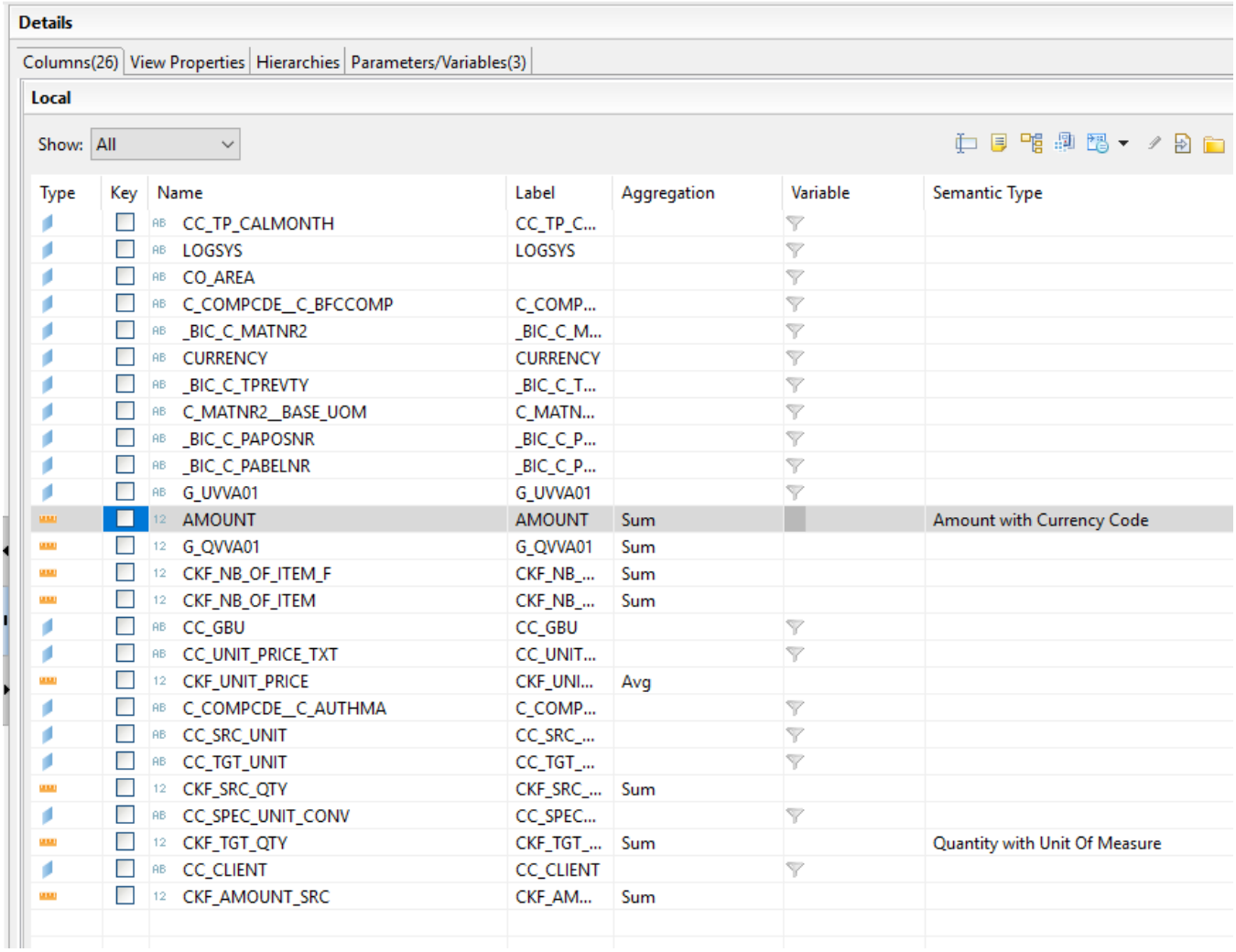
- CV_FMCO_CO_TP_SALE_PRICE_REPORTING



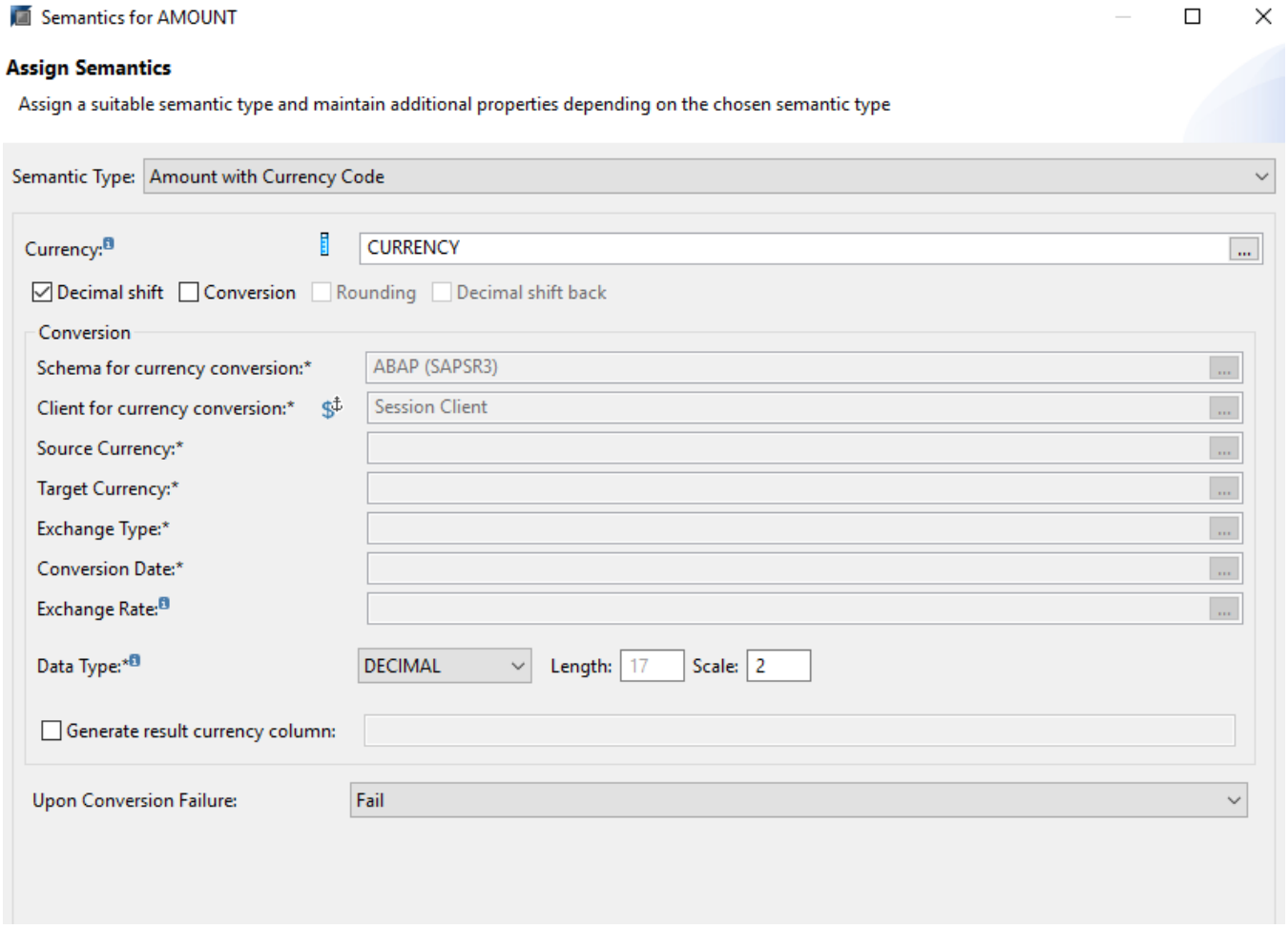
This view

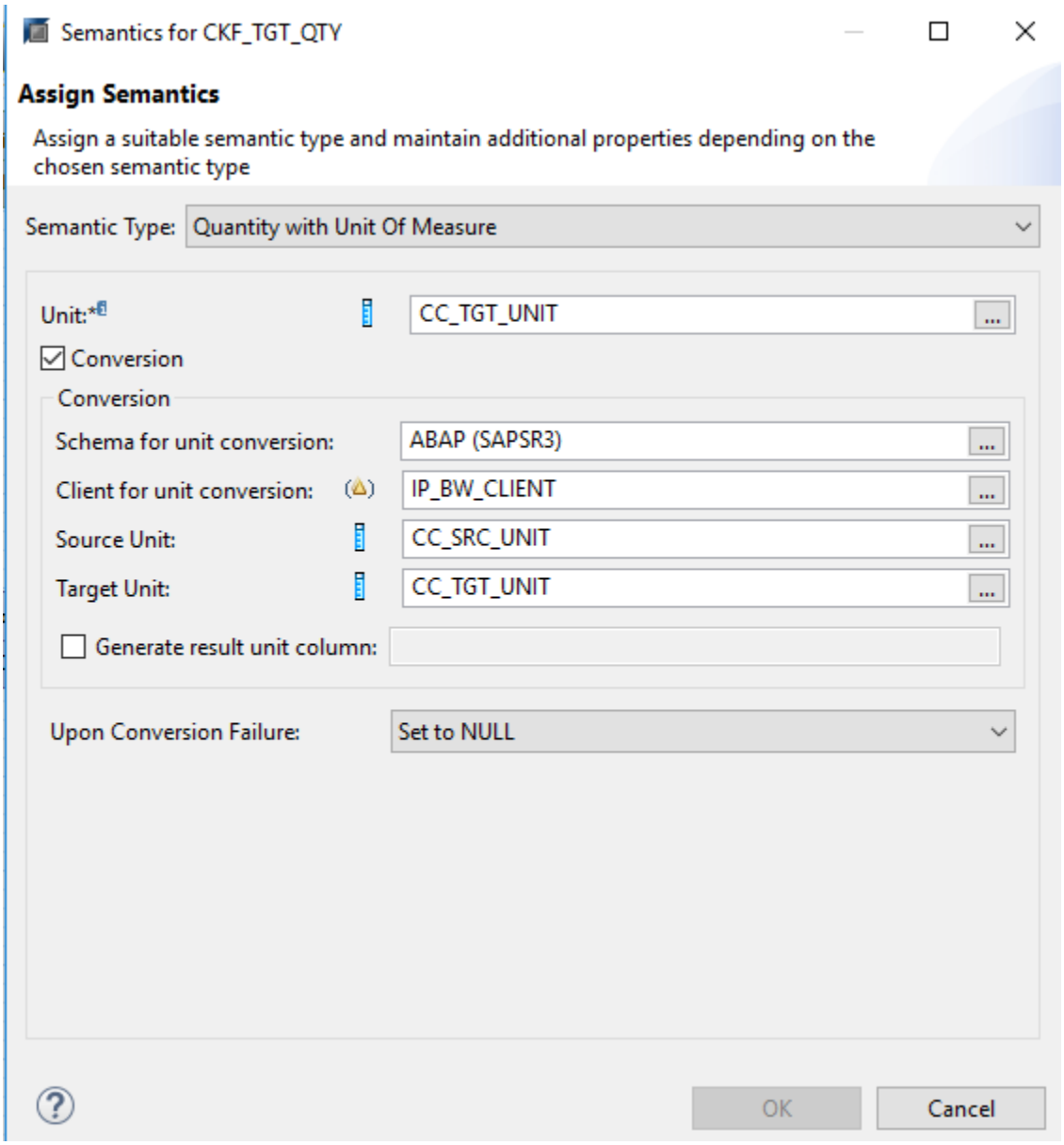
- manages the aggregation at the COPA item document level, using the KEEP_FLAG option on the relevant fields, in order to insure the consistancy of the KPI calculation in the upper level.
- applies the HANA standard conversion function on :
    - UNIT (based on KPI calculatred in CV_FMCO_CO_TP_SALE_PRICE_BUSRULES_02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

the customizing is done in the semantic layer using semantic functions

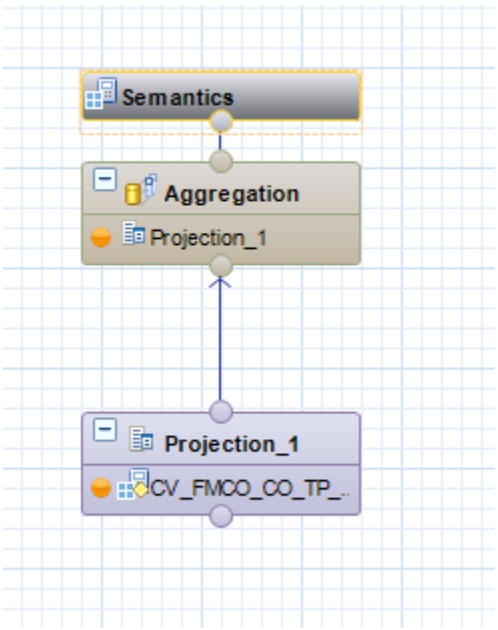


Type	Key	Name	Label	Aggregation	Variable	Semantic Type
		CC_TP_CALMONTH	CC_TP_C...			
		LOGSYS	LOGSYS			
		CO_AREA				
		C_COMPCDE__C_BFCCOMP	C_COMP...			
		_BIC_C_MATNR2	_BIC_C_M...			
		CURRENCY	CURRENCY			
		_BIC_C_TPREVTY	_BIC_C_T...			
		C_MATNR2__BASE_UOM	C_MATN...			
		_BIC_C_PAPOSNR	_BIC_C_P...			
		_BIC_C_PABELNR	_BIC_C_P...			
		G_UVVA01	G_UVVA01			
		AMOUNT	AMOUNT	Sum		Amount with Currency Code
		G_QVVA01	G_QVVA01	Sum		
		CKF_NB_OF_ITEM_F	CKF_NB_...	Sum		
		CKF_NB_OF_ITEM	CKF_NB_...	Sum		
		CC_GBU	CC_GBU			
		CC_UNIT_PRICE_TXT	CC_UNIT...			
		CKF_UNIT_PRICE	CKF_UNI...	Avg		
		C_COMPCDE__C_AUTHMA	C_COMP...			
		CC_SRC_UNIT	CC_SRC_...			
		CC_TGT_UNIT	CC_TGT_...			
		CKF_SRC_QTY	CKF_SRC_...	Sum		
		CC_SPEC_UNIT_CONV	CC_SPEC...			
		CKF_TGT_QTY	CKF_TGT_...	Sum		Quantity with Unit Of Measure
		CC_CLIENT	CC_CLIENT			
		CKF_AMOUNT_SRC	CKF_AM...	Sum		


Semantics for AMOUNT
Assign Semantics
Assign a suitable semantic type and maintain additional properties depending on the chosen semantic type
Semantic Type: Amount with Currency Code
Currency:
CURRENCY
Decimal shift
Conversion
Rounding
Decimal shift back
Conversion
Schema for currency conversion:*
ABAP (SAPSR3)
Client for currency conversion:*
Session Client
Source Currency:*
Target Currency:*
Exchange Type:*
Conversion Date:*
Exchange Rate:
Data Type:*
DECIMAL
Length:
17
Scale:
2
Generate result currency column:
Upon Conversion Failure:
Fail



- **CV_FMCO_CO_TP_SALE_PRICE_COMPOSITE**



This view insure 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
		CC_TP_CALMONTH	CC_TP_CALMONTH		
		LOGSYS	LOGSYS		
		CO_AREA			
		C_COMPCDE__C_BFCCOMP	C_COMPCDE__C_BFCCOMP		
		_BIC_C_MATNR2	_BIC_C_MATNR2		
		CURRENCY	CURRENCY		
		_BIC_C_TPREVTY	_BIC_C_TPREVTY		
		C_MATNR2__BASE_UOM	C_MATNR2__BASE_UOM		
		_BIC_C_PAPOSNR	_BIC_C_PAPOSNR		
		_BIC_C_PABELNR	_BIC_C_PABELNR		
		G_UVVA01	G_UVVA01		
		AMOUNT	AMOUNT	Sum	
		G_QVVA01	G_QVVA01	Sum	
		CKF_NB_OF_ITEM_F	CKF_NB_OF_ITEM_F	Sum	
		CKF_NB_OF_ITEM	CKF_NB_OF_ITEM	Sum	
		CC_GBU	CC_GBU		
		CC_UNIT_PRICE_TXT	CC_UNIT_PRICE_TXT		
		CKF_UNIT_PRICE	CKF_UNIT_PRICE	Sum	
		C_COMPCDE__C_AUTHMA	C_COMPCDE__C_AUTHMA		
		CC_SRC_UNIT	CC_SRC_UNIT		
		CC_TGT_UNIT	CC_TGT_UNIT		
		CKF_SRC_QTY	CKF_SRC_QTY	Sum	
		CC_SPEC_UNIT_CONV	CC_SPEC_UNIT_CONV		
		CKF_TGT_QTY	CKF_TGT_QTY	Sum	
		CC_CLIENT	CC_CLIENT		
		CKF_AMOUNT_SRC	CKF_AMOUNT_SRC	Sum	

Reporting

Queries End User Documentation

Queries

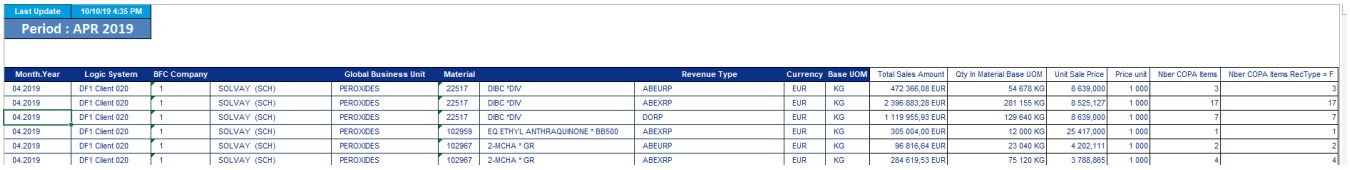
Query	Description
BW_QRY_CPCOTP01_0001	Controlling - TP - Sale Price - ECC RCS Extract
BW_QRY_CPCOTP01_0002	Controlling - TP - Sale Price - ECC SOLVAY Extract
BW_QRY_CPCOTP01_0003	Controlling - TP - Sale Price – Reporting
BW_QRY_CPCOTP01_0004	Controlling - TP - Sale Price – Reporting detail

Workbooks

Workbook	Description
BW_WBK_COTP_0001	Controlling - Sales Price - Synthesis
BW_WBK_COTP_0002	Controlling - Sales Price - Detail

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.

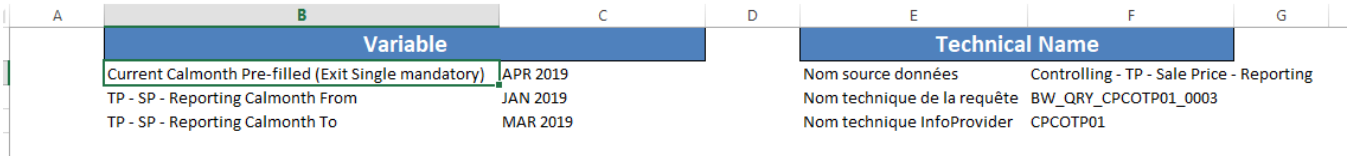


Last Update 10/10/19 4:35 PM

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	DIBC *DIV	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	DIBC *DIV	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	DIBC *DIV	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	EQ ETHYL ANTHRAQUINONE * BB500	ABEXRP	EUR	KG	305 004,00 EUR	12 000 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	23 040 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

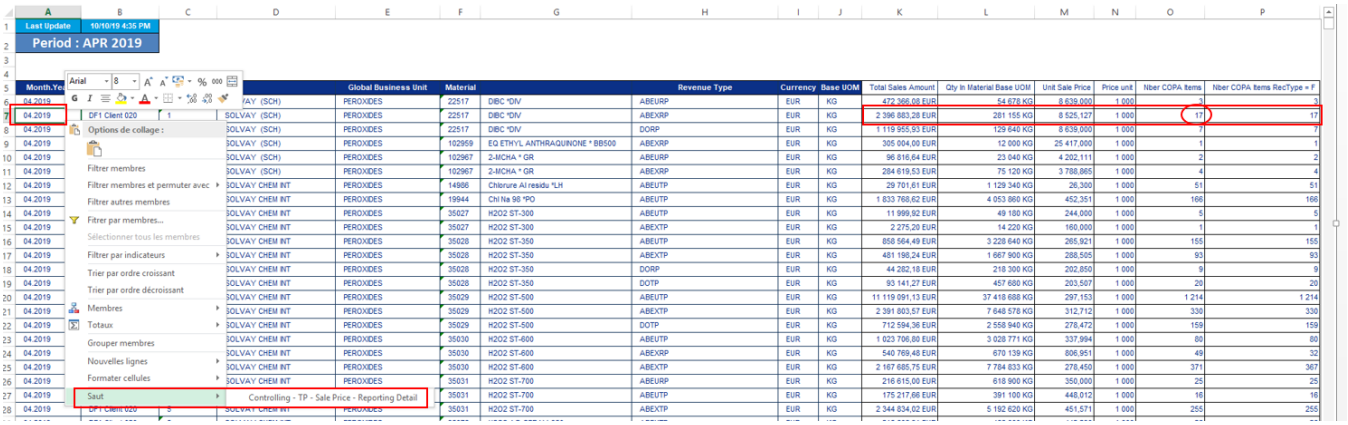
- provide some technical information, in case of off line broadcast



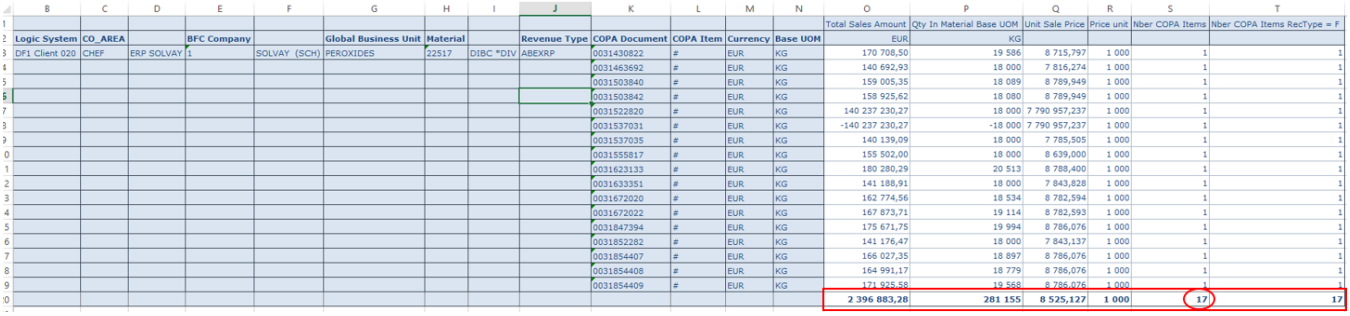
	A	B	C	D	E	F	G
		Variable			Technical Name		
		Current Calmonth Pre-filled (Exit Single mandatory)	APR 2019		Nom source données	Controlling - TP - Sale Price - Reporting	
		TP - SP - Reporting Calmonth From	JAN 2019		Nom technique de la requête	BW_QRY_CPCOTP01_0003	
		TP - SP - Reporting Calmonth To	MAR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

Jump

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



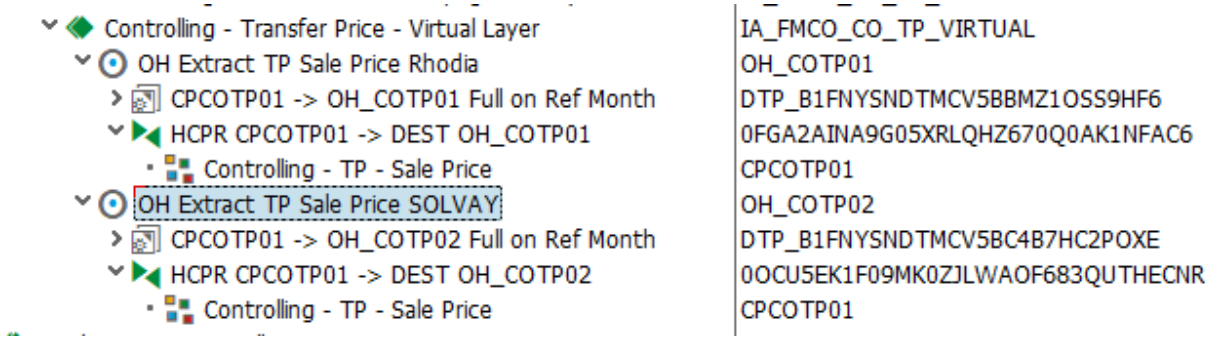
Of course, the number of retrieved records and overall results are in aligned with the synthesis source record



Dependencies with other applications

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

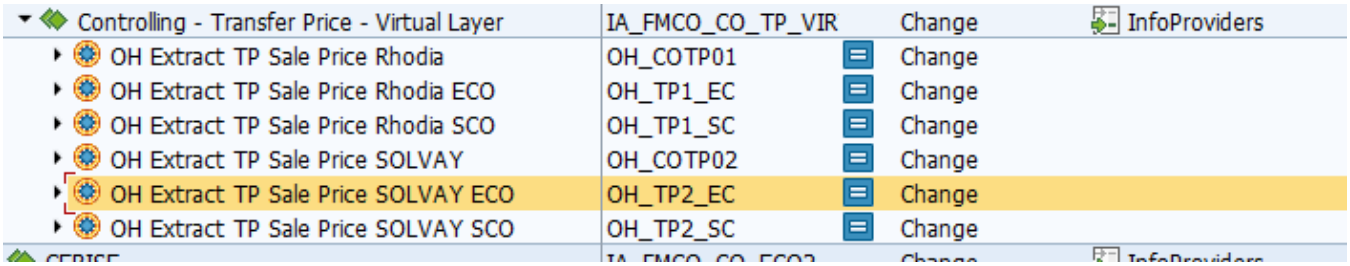
The file location is /exploit/BW/TP/

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)



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

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

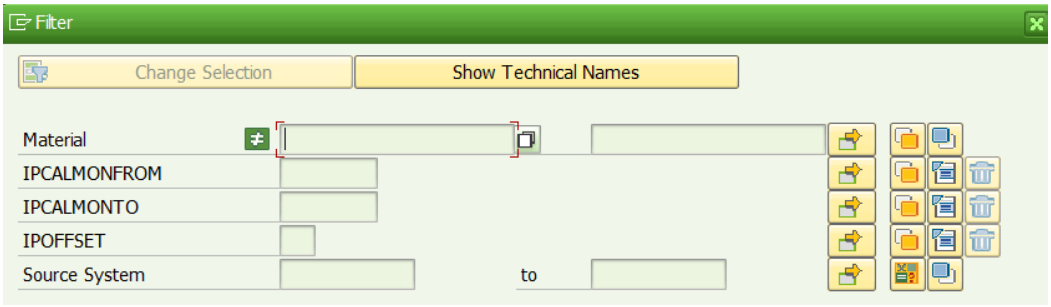
The file location is also /exploit/BW/TP/

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



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 & IPCALMONTO :

- Are calculated using gloabl 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 calcuation take is into account,
- if CALCNBPER is inactive (ACTIVE <>Y) the calcuation use the default value = 3
- if OFFSET is active (ACTIVE = Y) the calcuation take is into account,
- if OFFSET is inactive (ACTIVE <>Y) the calcuation use the default value = 3

Data Loading

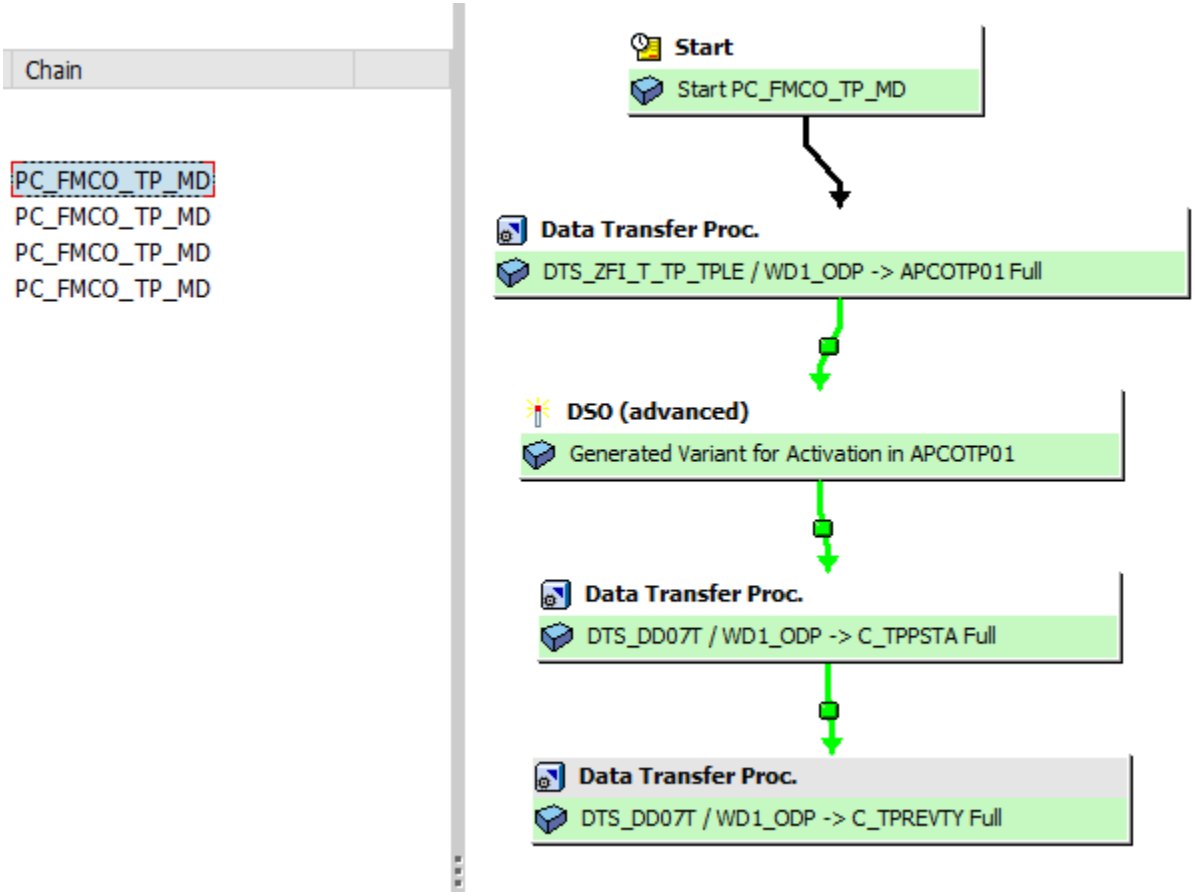
Info Providers and objects loaded

Process Chain

Main Process Chain	Final Provider Loading	Frequency	Time start	Duration
PC_FMCO_TP_MD	C_TPREVTY C_TPPSTA	Daily (not weekend)	2 am	1 min
PC_FMCO_TP_01	Open hub: OH_COTP02 & OH_COTP01 & OH_TP2_EC & OH_TP2_SC & OH_TP1_EC & OH_TP1_SC	Third working day of each month	5:30 am	2 min

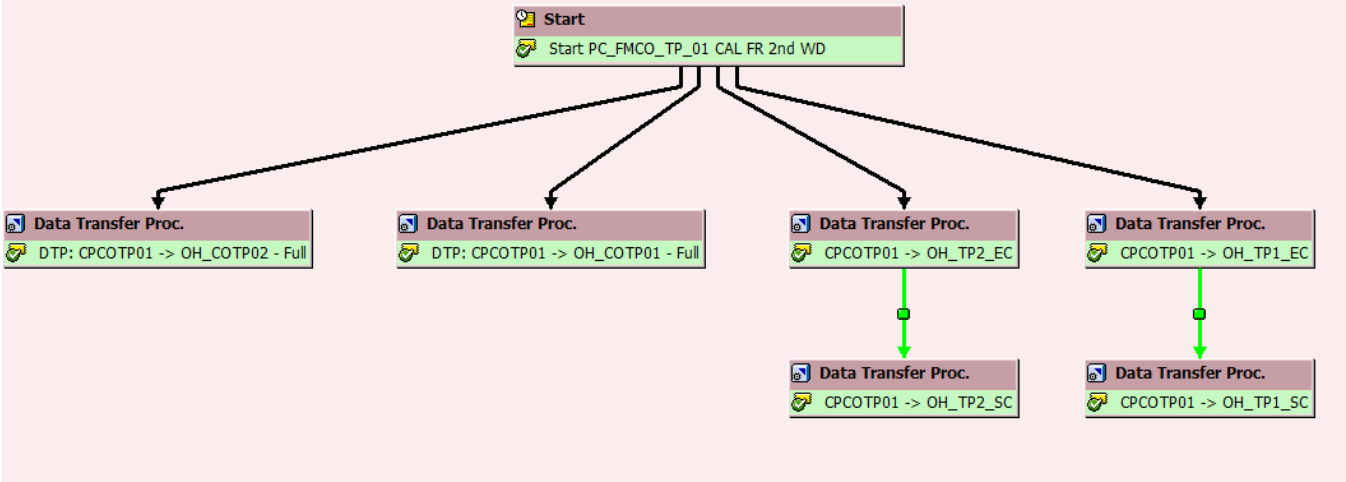
About the laoding for dso ABCOPA01, ABCOPA04 and DBCOPA30 see in P&L documentation.

PC_FMCO_TP_MD : Controlling - TP - Master data



PC_FMCO_TP_01 : Controlling - TP - Sale Price Extracts

This process chain extracts launch the extract through Open Hub.



Data Quality Control

Data come from SAP system. To compare data between BW and sources systems, check propagation layers.

Operational Documentation

Procedures

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_GLBFILT 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

Scheduling

<Describe the scheduling in place for the application (eg. existing jobs, trigger time/event based, dependencies)>

Monitoring

<Describe the monitoring checks to confirm the application is performing well (eg. check the overall status, check performance metrics like runtime /data volume/memory/disk/CPU, maintain and react to alerts/notifications)>

Error Handling

<Describe how to handle errors (eg. error codes, description and respective resolution, alert users)>

Known Bugs

<List the existing bugs, its criticity, workarounds and resolution plan.>

Roadmap

<List past & future evolutions for the application (including links to MED/FSD/TSD)>