

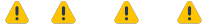
# BW RTR - Costa /\ obsolete /\



The new wiki link for this data flow is here:

[Technical Documentation - COSTA](#)

Please update the doc there and no longer here.



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# General presentation

## Objective of the application

Teh objective of the application is to provide provide a **cost visibility solution** , improving the **transparency** and including:

- External spend (excl. raw materials & energy) and all Labor
- Providing both an Origin and Destination view

**Build a “ZBB-like” foundation** (zero based budgeting)

Supported via a user-friendly and flexible toolto help on decision-making

The application is based on 3 tools

- BW : for mreging different source of data , enriching the model with Business rules , providing Destination view of the costs
- QlikSense : for the dashboard
- ANAPLAN : to build teh budget

COSTA model provide 2 views of the costs

- the Origin View
- the Destination view

ORIGIN VIEW

DESTINATION VIEW

Tool Leader : Gilles Madjarian + IT leader of the application:

## Usage information

Critical period : Closing period and Dashboard reloading

## History

## Roles & Access

### Roles and 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_M731 | CT - COSTA Transactions | Role to have access to transaction below :<br><br>ZBW_ADJ_PERIM_COSTA<br>ZBW_BUD_COSTA<br>ZBW_COR_COSTA<br>ZBW_COSTA_SNAP<br>ZBW_CUST_COSTA<br>ZCOSTA_BRIDGE_FILE |
|                |                         |                                                                                                                                                                   |

|  |  |  |
|--|--|--|
|  |  |  |
|--|--|--|

## Authorization objects

List of autorisation objects mandatory for the application.

| Authorization object | Explanation |
|----------------------|-------------|
|                      |             |
|                      |             |
|                      |             |

## Dataflow overview

Composites providers:

CPCOCT05 (uses calculation view CV\_FMCO\_CO\_CT\_UNION\_COSTS\_TRANSPARENCY\_DEST).

Architecture & Data Flow Description for :

- Co\$Ta At Origin : Overall Architecture and concepts
- Co\$Ta At Origin : COOM (CCA, OPA, WBS) Technical specifications
- Co\$Ta At Origin : COPA Technical specifications
- Co\$Ta At Destination :
  - Architecture and concepts
  - Scheduling
  - Technical specifications

## Functional and Technical rules on Workbench + Reporting

### Where used list variables from master data global filter

### Flat files loading - Transaction ZBW\_CUST\_COSTA

#### Adjustment perimeter

- Program: ZBW\_COSTA\_CORRECTIV
- Process Chain: PC\_CT\_CORRECTIVE\_2\_01
- InfoProvider: APCOCT20
- Flat file format:

#### Corrective flow

- Program: ZBW\_CORR\_FLOW
- Process Chain: PC\_CT\_CORREC\_01
- Infoprovider: APCOCT07
- Flat file format:

#### Zero Based Budgeting

- Program: ZBW\_COSTA\_C\_CTSBPKG\_ZBB
- Process chain: PC\_CT\_TR\_05
- Infoprovider: APCOCT13 CPCOCT06
- Query: BW\_QRY\_CPCOCT06\_0003 + QV\_BW\_QRY\_CPCOCT06\_0003
- Flat file format: [https://drive.google.com/file/d/1epqi\\_HwSrlwa581lyXhaCEkRA9vRec\\_F/view](https://drive.google.com/file/d/1epqi_HwSrlwa581lyXhaCEkRA9vRec_F/view)

#### Resp. Cost Center Determination

- Program: ZBW\_COSTA\_RCC
- Process chain: PC\_CT\_RCC\_01

- Infoprovder: APCOCT15
- Query:
- Flat file format: [https://drive.google.com/file/d/1IGDkT4e7LFBnwnFci\\_27u3maKelt4o0r/view](https://drive.google.com/file/d/1IGDkT4e7LFBnwnFci_27u3maKelt4o0r/view)

### Investment Reason WBS

- Program: ZBW\_COSTA\_INV
- Process chain: PC\_CT\_INV\_REA\_01
- Infoprovder: APCOCT17
- Query:
- Flat file format: <https://drive.google.com/file/d/1gNADLWzmxbcLj8Da0y2I1H29QirzUwxl/view>

### Bridge Perimeter

- Program: ZBW\_COSTA\_FILE
- Process chain: PC\_CT\_PERICH\_01
- Infoprovder: APCOCT23
- Query:
- Flat file format:

### Corrective Flow destination

- Program: ZBW\_CORR\_FLOW\_2
- Process chain: PC\_CT\_CORREC\_02
- Infoprovder: APCOCT24
- Flat file format:

### Order Capex Opex

- Program: ZBW\_COSTA\_ORDER\_CAPEX\_OPEX
- Process chain: PC\_CT\_TR\_03
- Infoprovder: APCOCT09 CPCOCT06
- Query: BW\_QRY\_CPCOCT06\_0001 + QV\_BW\_QRY\_CPCOCT06\_0001
- Flat file format: <https://drive.google.com/file/d/1iWbmDE7ZfJS9wFEJDtonNXafW26j5jKL/view>

### Percentage inflation

- Program: ZBW\_COSTA\_INFLATION
- Process chain: PC\_CT\_TR\_04
- Infoprovder: APCOCT11 CPCOCT06
- Query: BW\_QRY\_CPCOCT06\_0002 + QV\_BW\_QRY\_CPCOCT06\_0002
- Flat file format: [https://drive.google.com/file/d/13r-JdkA6LZShK2wlhydxOc\\_k8Fjs3ttB/view](https://drive.google.com/file/d/13r-JdkA6LZShK2wlhydxOc_k8Fjs3ttB/view)

## Rules & Explanations

### Cluster GBU

|                                                     |                                  |                   |
|-----------------------------------------------------|----------------------------------|-------------------|
| Costa - BU Cluster SubCluster                       | APCOCT14                         | Manage            |
| TRSF: DTS_BW_REPO_BU_CLU_SCLU (PRS_020) -> APCOCT14 | 00HBBV6J270WOOEALO1LPKNOHUM1YDKZ | Change            |
| REPO_BU_CLU_SCLU                                    | DTS_BW_REPO_BU_CLU_SCLU          | Change            |
| Data Transfer Processes                             | APCOCT14                         | Create Data Tr... |
| DTP: DTS_BW_REPO_BU_CLU_SCLU (PRS_020) -> APCOCT14  | DTP_B1FNYSNDTRTQFIIMPH4W18RO6    | Change            |
| Data Flow Upwards                                   | _DATAFLOW_UPWARDS                |                   |
| DTP: APCOCT14 (PRS_020) -> CPFCTR1_2 - Delta        | DTP_B1FNYSNDTRTQFIIPS84NAR6D6    | Change            |
| DTP: APCOCT14 (PRS_020) -> C_CLUSTER - Delta - Text | DTP_B1FNYSNDTRTQFIIZMOOPTU0IG    | Change            |
| DTP: APCOCT14 (PRS_020) -> C_SUBCLUS - Delta - Attr | DTP_B1FNYSNDTRTQFD0JF6DCYL1O     | Change            |
| DTP: APCOCT14 (PRS_020) -> C_SUBCLUS - Delta - text | DTP_B1FNYSNDTRTQFI128RYMGY73     | Change            |
| TRSF: APCOCT14 (PRS_020) -> CPFCTR1_2               | 0P7W0X8D8LFX7FOMP5JC6ZPVTY5ILWGF | Change            |
| TRSF: APCOCT14 (PRS_020) -> C_CLUSTER               | 0KYHTL5PMW1HGI28NU1WJ8346HSNOFV  | Change            |
| TRSF: APCOCT14 (PRS_020) -> C_SUBCLUS               | 0182Q9ZKN5J523EZD3OXMQH8F93PM2VR | Change            |
| TRSF: APCOCT14 (PRS_020) -> C_SUBCLUS               | 0OUVP2IQCW7QFWIPX0S2EYMKNVSZ1J2Z | Change            |

Clusters and sub clusters come from PF1\_050, datasource DTS\_BW\_REPO\_BU\_CLU\_SCLU. This datasource uses module function ZFM\_BW\_REPO\_BU\_CLU\_SCLU).

We extract data into adso APCOCT14 and then load the attributes and textes in master data CPFCTR1\_2, C\_CLUSTER & C\_SUBCLUS (loadings done in process chain PC\_CT\_MD\_01).

## Group of function

Goal:

Add in master data C\_COSTCTR two attributes: group function and GBU function extracted from hierarchy Z013ZCBS\_GRP (WP1 system). The link between cost center and hierarchy is C\_FUNCT\_2 (attribute from cost center and level 4 in hierarchy Z013ZCBS\_GRP).

Steps:

1) Extract Z013ZCBS\_GRP hierarchy in master data C\_FUNCT\_2 where: (done in process chain PC\_CT\_MD\_01).

- C\_FUNCT\_2 = level 4 in Z013ZCBS\_GRP (without controlling area).
- C\_FUNCT\_2\_\_C\_GRPFUNC = Level 3 in Z013ZCBS\_GRP.
- C\_FUNCT\_2\_\_C\_GBUFUNC = Level 2 in Z013ZCBS\_GRP.

2) Load attributes C\_GRPFUNC & C\_GBUFUNC in master data C\_COSTCTR (with look up on C\_FUNCT\_2)

## Cost package derivation from:

### Material Group

In adso APCOCT04 we use data from master data C\_MAT\_GRP to determine cost sub package (C\_CTSBPKG).

This loading is done in process chain PC\_CT\_TR\_01.

### Segment

In adso APCOCT05 we use data from master data C\_SEGT to determine cost sub package (C\_CTSBPKG).

This loading is done in process chain PC\_CT\_TR\_01.

### Cost Element:

In adso APCOCT06 we use data from adso APCOCT16 (only landscape ERPSOLV and ERPRCS) to determine cost sub package (C\_CTSBPKG) associated to cost element.

This loading is done in process chain PC\_CT\_TR\_01.

## Investment Reason for PM Order

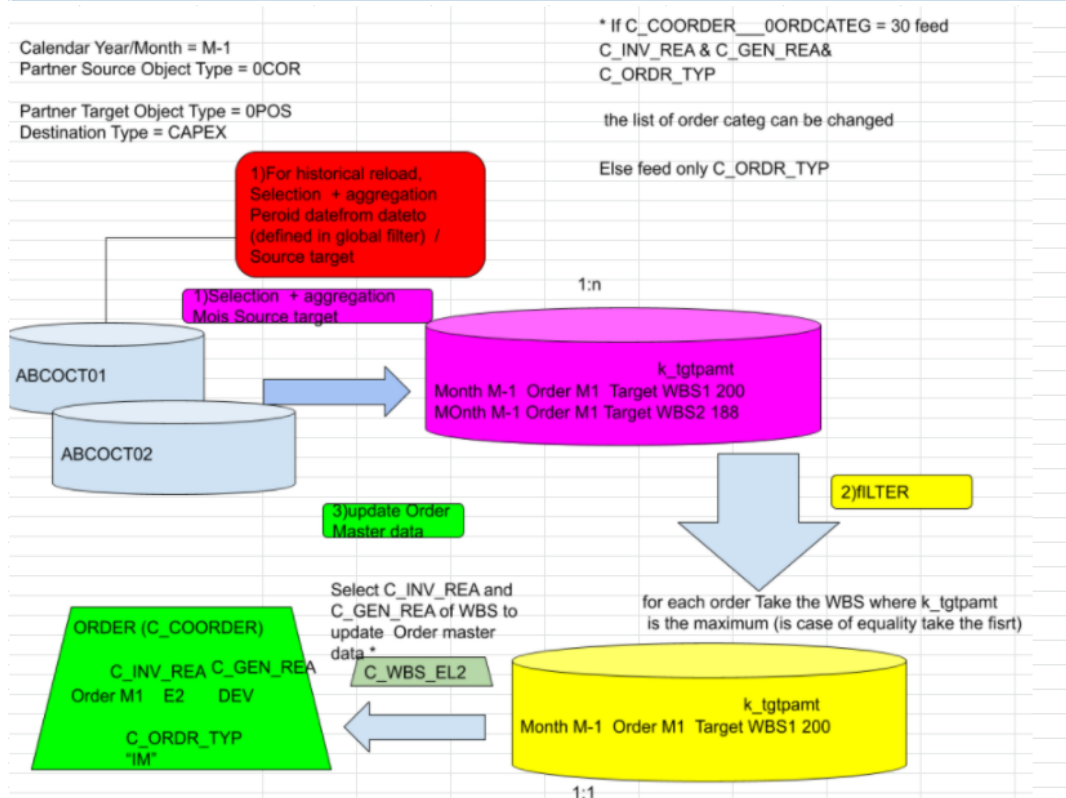
Goal: in master data c\_coorder add three new attributes C\_GEN\_REA & C\_INV\_REA & C\_ORD\_TYP

C\_GEN\_REA & C\_INV\_REA come from C\_WBS\_EL2 and C\_WBS\_EL2 comes from dso ABCOCT01 & ABCOCT02.

### Main rules:

- Developments are done in transformations:
  - Transf: 0COORDER\_ATTR -> C\_COORDER
  - Transf: 0COORDER\_ATTR -> C\_COORDER Solvay
- The filters used are defined in master data global filter we stream "C\_COORDER".
- By default the period to read adso ABCOCT01 is current month -1. But it's possible to make the look-up with several month with definition of period in master data global filter:

| /BIC/C_STREAM | /BIC/C_RULE | /BIC/C_GLBFLT | OBJVERS | CHANGED | /BIC/C_DESC                                               | /BIC/C_SIGN | /BIC/C_OPTION | /BIC/C_LOW | /BIC/C_HIGH | /BIC |
|---------------|-------------|---------------|---------|---------|-----------------------------------------------------------|-------------|---------------|------------|-------------|------|
| C_COORDER     | C_ORD_TYP   | 001           | A       |         | C_ORD_TYP value to fill attribute in C_COORDER            | I           | EQ            | IM         |             | Y    |
| C_COORDER     | DESTTY      | 001           | A       |         | DESTTY filter to read ABCOCT01 & 2 in routine c_coorder   | I           | EQ            | CAPEX      |             | Y    |
| C_COORDER     | ORDERCATEG  | 001           | A       |         | ORDERCATEG to fill gen_rea & inv_rea in routine c_coorder | I           | EQ            | 30         |             | Y    |
| C_COORDER     | PERIOD_ORD  | 001           | A       |         | CALMONTH period to read ABCOCT01 & 2 in routine c_coorder | I           | BT            | 201501     | 201503      | N    |
| C_COORDER     | PSOBJTY     | 001           | A       |         | PSOBJTY filter to read ABCOCT01 & 2 in routine c_coorder  | I           | EQ            | 0COR       |             | Y    |
| C_COORDER     | PTOBJTY     | 001           | A       |         | PTOBJTY filter to read ABCOCT01 & 2 in routine c_coorder  | I           | EQ            | 0POS       |             | Y    |

**Start routine:**

1. Define all filters.
2. Do a select in internal table to take data from adso ABCOCT01 or ABCOCT02 with filters on CALMONTH, C\_PSOBJTY, C\_DESTTY and C\_PTOBJTY.
3. Aggregation with keys LOGSYS /BIC/C\_PSOBJ /BIC/C\_PTOBJ BIC/C\_WBS\_EL2 of data from DSO ABCOCT0\* in internal table sorted by ascending.
4. Search the attributes C\_INV\_REA & C\_GEN\_REA in master data C\_WBS\_EL2 for all entries of internal table.
5. Create new table to have PSOBJ (coorder) and WBS\_EL2 + Attributes in same table.
6. Select current GEN\_REA, INV\_REA, ORD\_TYP from master data C\_COORDER to be able to keep current data if nothing was found in dso ABCOCT01 or C\_WBS\_EL2

**End routine:**

If C\_COORDER\_\_0ORDCATEG = 30 feed C\_INV\_REA & C\_GEN\_REA & C\_ORDR\_TYP

Else feed only C\_ORDR\_TYP

If nothing was found, no change, keep the current attributes in master data C\_COORDER.

**Investment Reason for WBS**

Goal is to determine "General reason for investment"(C\_GEN\_REA) from mapping table APCOCT17 for CO-OM WBS part flow and Corr Flow.

A program has been created ZBW\_COSTA\_INV for upload file as link:

- <https://drive.google.com/file/d/1gNADLWzmxbcLj8Da0y2I1H29QirzUwxi/view>

aDSO:

Process Chain:

Impacted HANA Views:

- CV\_FMCO\_CO\_CT\_AT\_DEST\_CORR
- CV\_FMCO\_CO\_CT\_CORR\_FLOW
- CV\_FMCO\_CO\_CT\_WBS6\_RHODIA
- CV\_FMCO\_CO\_CT\_WBS6\_SOLVAY

Example for HANA Views CV\_FMCO\_CO\_CT\_WBS6\_RHODIA, left join has been made with 0LOGSYS and C\_INV\_REA and get C\_GEN\_REA:

[illegible]

In scope of Costa data, it's necessary to define which data are for COSTA, F2G or ANAPLAN. The idea is to exclude some records not in scope of ANAPLAN or F2G.

<https://drive.google.com/file/d/1hNM9ZWVDHCp4yIVWyOTv46dlfyfFWwgF/view>

To do that, it's necessary to define the rule of exclusion in a table: **ZCOSTA\_ANAPLAN**

**Data Browser: Table ZCOSTA\_ANAPLAN Select Entries** 54

Types of filter for anaplan or F2G.

The description define the object(s) were the filter should be apply.

In a column has # value, it means "null" value. For example for this line it means we should exclude records with C\_ORD\_TYP = IM, CTOFLOW = WBS and GEN\_REA = INV\_REA = Null.

| CPCTR1_2 | C_FLGINT  | C_COMPDE | C_CTMCPKG | C_CTPKG | C_FUNCNT_2  | C_ORD_TYP_C_CTOFLOW  | C_GEN_REA_C_INV_REA_C_CTEXR_A | C_CTEXR_F |
|----------|-----------|----------|-----------|---------|-------------|----------------------|-------------------------------|-----------|
| IM       |           |          |           |         |             | A1                   | C_ORD_TYP_C_INV_REA           |           |
| IM       |           |          |           |         |             | A2                   | C_ORD_TYP_C_INV_REA           |           |
| IM       |           |          |           |         |             | A3                   | C_ORD_TYP_C_INV_REA           |           |
| IM       |           |          |           |         |             | C1                   | C_ORD_TYP_C_INV_REA           |           |
| IM       |           |          |           |         |             | D1                   | C_ORD_TYP_C_INV_REA           |           |
| IM       |           |          |           |         |             | D2                   | C_ORD_TYP_C_INV_REA           |           |
| IM       |           |          |           |         |             | E1                   | C_ORD_TYP_C_INV_REA           |           |
| IM       |           |          |           |         |             | E2                   | C_ORD_TYP_C_INV_REA           |           |
| IM       |           |          |           |         |             | F1                   | C_ORD_TYP_C_INV_REA           |           |
| IM       |           |          |           |         |             | G0                   | C_ORD_TYP_C_INV_REA           |           |
| IM       |           |          |           |         |             | H0                   | C_ORD_TYP_C_INV_REA           |           |
| IM       |           |          |           |         |             | I1                   | C_ORD_TYP_C_INV_REA           |           |
| IM       |           |          |           |         | CORR_FLOW # | #                    | C_ORD_TYP_C_CTOFLOW_C_GEN_R   |           |
| IM       |           |          |           |         | WBS #       | #                    | C_ORD_TYP_C_CTOFLOW_C_GEN_R   |           |
| IM       |           |          |           |         | WBS DEV #   | #                    | C_ORD_TYP_C_CTOFLOW_C_GEN_R   |           |
| IM       |           |          |           |         | WBS HSE #   | #                    | C_ORD_TYP_C_CTOFLOW_C_GEN_R   |           |
| IM       |           |          |           |         | WBS IT #    | #                    | C_ORD_TYP_C_CTOFLOW_C_GEN_R   |           |
| IM       |           |          |           |         | WBS R&I #   | #                    | C_ORD_TYP_C_CTOFLOW_C_GEN_R   |           |
|          | ENRGL     |          |           |         |             | C_FUNCNT_2           |                               |           |
|          | ERSTR     |          |           |         |             | C_FUNCNT_2           |                               |           |
|          | ZCBS-FSIS |          |           |         | WBS         | C_FUNCNT_2_C_CTOFLOW |                               |           |
|          | ZCBS-ICOX |          |           |         |             | C_FUNCNT_2           |                               |           |
|          | ZCBS-OTHX |          |           |         |             | C_FUNCNT_2           |                               |           |
|          | ZCBS-PRJ  |          |           |         | WBS         | C_FUNCNT_2_C_CTOFLOW |                               |           |
|          | ZCBS-TSA  |          |           |         |             | C_FUNCNT_2           |                               |           |
|          | P10001    |          |           |         |             |                      | C_CTPKG                       |           |
|          | P10012    |          |           |         |             |                      | C_CTPKG                       |           |
|          | P10080    |          |           |         |             |                      | C_CTPKG                       |           |
|          | P10081    |          |           |         |             |                      |                               |           |
|          | P10082    |          |           |         |             |                      |                               |           |
|          | P10089    |          |           |         |             |                      | C_CTPKG                       |           |
|          | P10090    |          |           |         |             |                      |                               |           |
|          | P00008    |          |           |         |             |                      | C_CTMCPKG                     |           |
|          | P00009    |          |           |         |             |                      | C_CTMCPKG                     |           |
|          | P00010    |          |           |         |             |                      |                               |           |
|          |           |          |           |         |             |                      | C_CTMCPKG                     |           |
|          | 5985      |          |           |         |             |                      | C_COMPDE                      |           |
|          | 6034      |          |           |         |             |                      | C_COMPDE                      |           |
|          | 6235      |          |           |         |             |                      | C_COMPDE                      |           |
|          |           |          |           |         |             |                      | C_FLGINT                      |           |

This table could be maintained with SM30 or transaction ZMAINT COSTA ANAPLAN.

09/07/2023 : PO2 Project impact : **ZCOSTA\_ANAPLAN** has been enhanced but adding an New Key : Authorization Scope. Now the flag determination is dependent on the scope (SCO or ECO) . For D1 (06/2023) all business rules has been duplicated are are similar for SOLVAY. ECO or SCO. But in the future , the rules can be independant .

Special case : interco flag

- For SOLVAY we check the SOLVAY INTERCO FLAG (C\_FLGINT)
- For ECO we check the ECO INTERCO FLAG (C\_FLGIN02)
- For SCO we check the SCO INTERCO FLAG(C\_FLGIN03)

In "J\_FLAG\_1\_R2" in CV\_FMCO\_CO\_CT\_UNION\_COSTS\_TRANSPARENCY\_DEST we added this calculated column to determine which exclusion reason used:

|                                                                                                                                                                                                                                                                                                                                   |                       |         |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------|-----|
| Name:                                                                                                                                                                                                                                                                                                                             | C_CTEXR_A_FLGINT_CALC |         |     |
| Data Type:                                                                                                                                                                                                                                                                                                                        | NVARCHAR              | Length: | 100 |
| Scale:                                                                                                                                                                                                                                                                                                                            |                       |         |     |
| Expression                                                                                                                                                                                                                                                                                                                        |                       |         |     |
| Expression Editor                                                                                                                                                                                                                                                                                                                 |                       |         |     |
| ✓ Validate Syntax                                                                                                                                                                                                                                                                                                                 |                       |         |     |
| <pre>IF("C_FLGIN02"='X' AND "C_AUTHMA" = 'ECO' AND (NOT ISNULL("C_CTEXR_A_FLGINT")),'C_FLGINT_ECO',<br/>IF("C_FLGIN03"='X' AND "C_AUTHMA" = 'SCO' AND (NOT ISNULL("C_CTEXR_A_FLGINT")),'C_FLGINT_SCO',<br/>IF("PCOMPAN__C_FLGINT"='X' and "C_AUTHMA" = 'SOLVAY' AND (NOT ISNULL("C_CTEXR_A_FLGINT")),'C_FLGINT'<br/>, '')))</pre> |                       |         |     |

If in source of data of the CV the attribute C\_FLGIN02 from C\_PCOMPAN is equal to X and C\_AUTHMA is ECO and the Exclusion reason is not null (it means the join between ZCOSTA\_ANAPLAN table and source of data in CV with C\_FLGINT and C\_AUTHMA is working), the  
C\_CTEXR\_A\_FLGINT\_CALC = C\_FLGINT\_ECO.

Else, if the C\_PCOMPAN\_\_C\_FLGIN03 (from source of data in CV) = X and C\_AUTHMA is SCO and the Exclusion reason is not null the  
C\_CTEXR\_A\_FLGINT\_CALC = C\_FLGINT\_SCO.

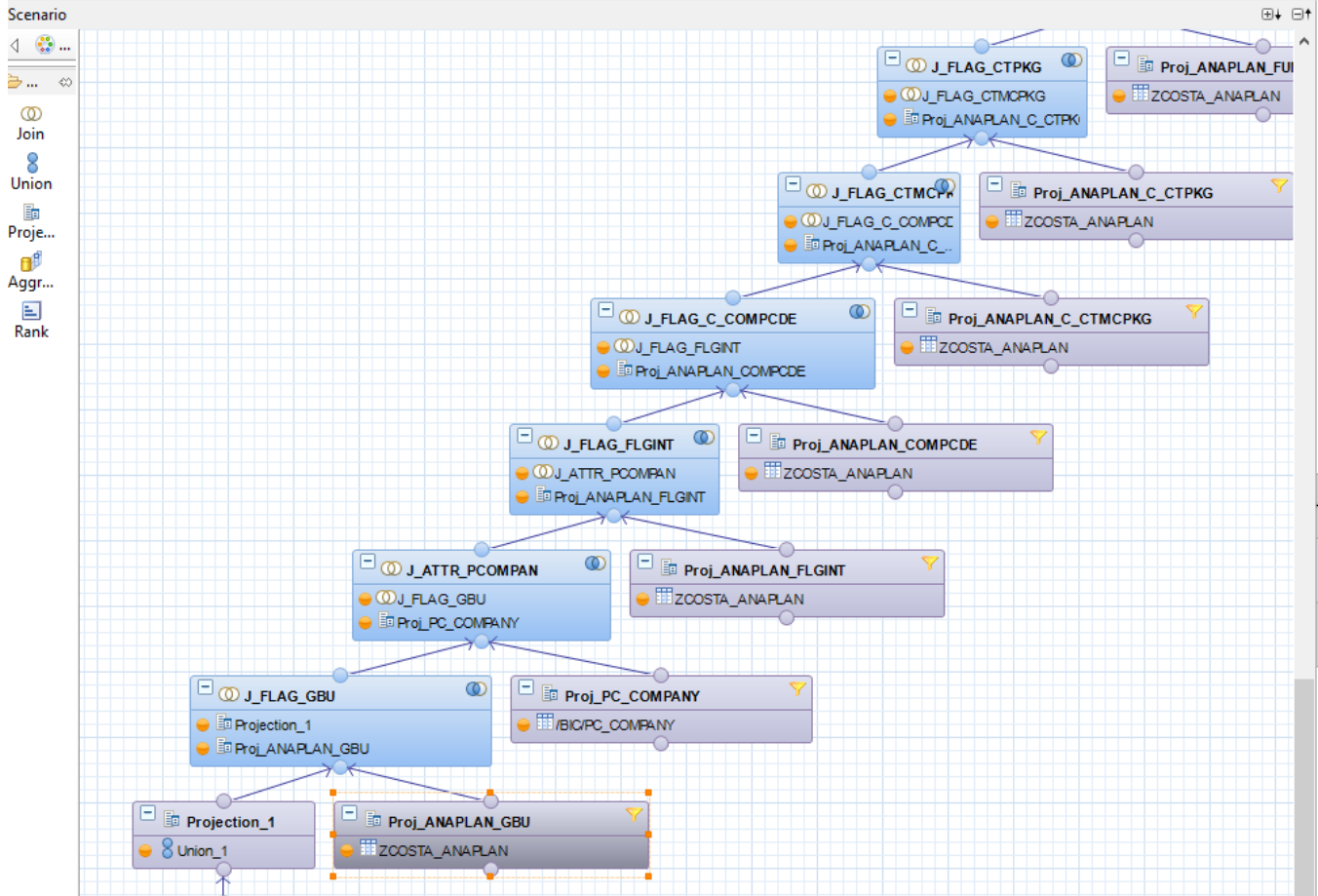
Else, if the C\_PCOMPAN\_\_C\_FLGINT (from source of data in CV) = X and C\_AUTHMA is SOLVAY and the Exclusion reason is not null the  
C\_CTEXR\_A\_FLGINT\_CALC = C\_FLGINT.

Else C\_CTEXR\_A\_FLGINT\_CALC is null.

We use this table in calculation view CV\_FMCO\_CO\_CT\_UNION\_COSTS\_TRANSPARENCY\_DEST.

To apply the exclusion flag anaplan or F2G:

- We do a projection of table ZCOSTA\_ANAPLAN, filtered on one type of C\_CTEXR\_A or C\_CTEXR\_F.
- Create a full outer join with costa data and ZCOSTA\_ANAPLAN on the necessary field(s) to find which records match with the filter, if there is a match we add a new column with the C\_CTEXR\_A or F.
- Repeat the join for each type of filter.



- At the end we can define a global column for exclusion flag and exclusion reason (anaplan and F2G).

Name:\*

Data Type: NVARCHAR  Length:  Scale:

Expression

**Expression Editor**

 Validate Syntax

```
IF(not isnull("C_CTEXR_A_GBU"), "C_CTEXR_A_GBU",
IF(not isnull("C_CTEXR_A_FLGINT"), "C_CTEXR_A_FLGINT",
IF(not isnull("C_CTEXR_A_COMPCDE"), "C_CTEXR_A_COMPCDE",
IF(not isnull("C_CTEXR_A_CTMCPKG"), "C_CTEXR_A_CTMCPKG",
IF(not isnull("C_CTEXR_A_CTPKG"), "C_CTEXR_A_CTPKG",
IF(not isnull("C_CTEXR_A_FUNC2"), "C_CTEXR_A_FUNC2",
IF(not isnull("C_CTEXR_A_FUNC2_FLOW"), "C_CTEXR_A_FUNC2_FLOW",
IF(not isnull("C_CTEXR_A_GBU_FUNC2"), "C_CTEXR_A_GBU_FUNC2",
IF(not isnull("C_CTEXR_A_ORD_TYP"), "C_CTEXR_A_ORD_TYP",
IF(not isnull("C_CTEXR_A_C_ORD_TYP__C_CTFLOW"), "C_CTEXR_A_C_ORD_TYP__C_CTFLOW",
IF(not isnull("C_CTEXR_A_GBU__C_FUNC2__C_CTFLOW"), "C_CTEXR_A_GBU__C_FUNC2__C_CTFLOW",
IF(not isnull("C_CTEXR_A_C_ORD_TYP_GEN_REA"), "C_CTEXR_A_C_ORD_TYP_GEN_REA",
IF(not isnull("C_CTEXR_A_C_ORD_TYP_INV_REA"), "C_CTEXR_A_C_ORD_TYP_INV_REA",
IF(not isnull("C_CTEXR_A_C_ORD_TYP__C_CTFLOW__C_GEN_REA__C_INV_REA"), "C_CTEXR_A_C_ORD_TYP__C_CTFLOW__C_GEN_REA__C_INV_REA", ' '))))))))))
```

Name:\*

Data Type: NVARCHAR  Length:  Scale:

Expression

**Expression Editor**

 Validate Syntax Language

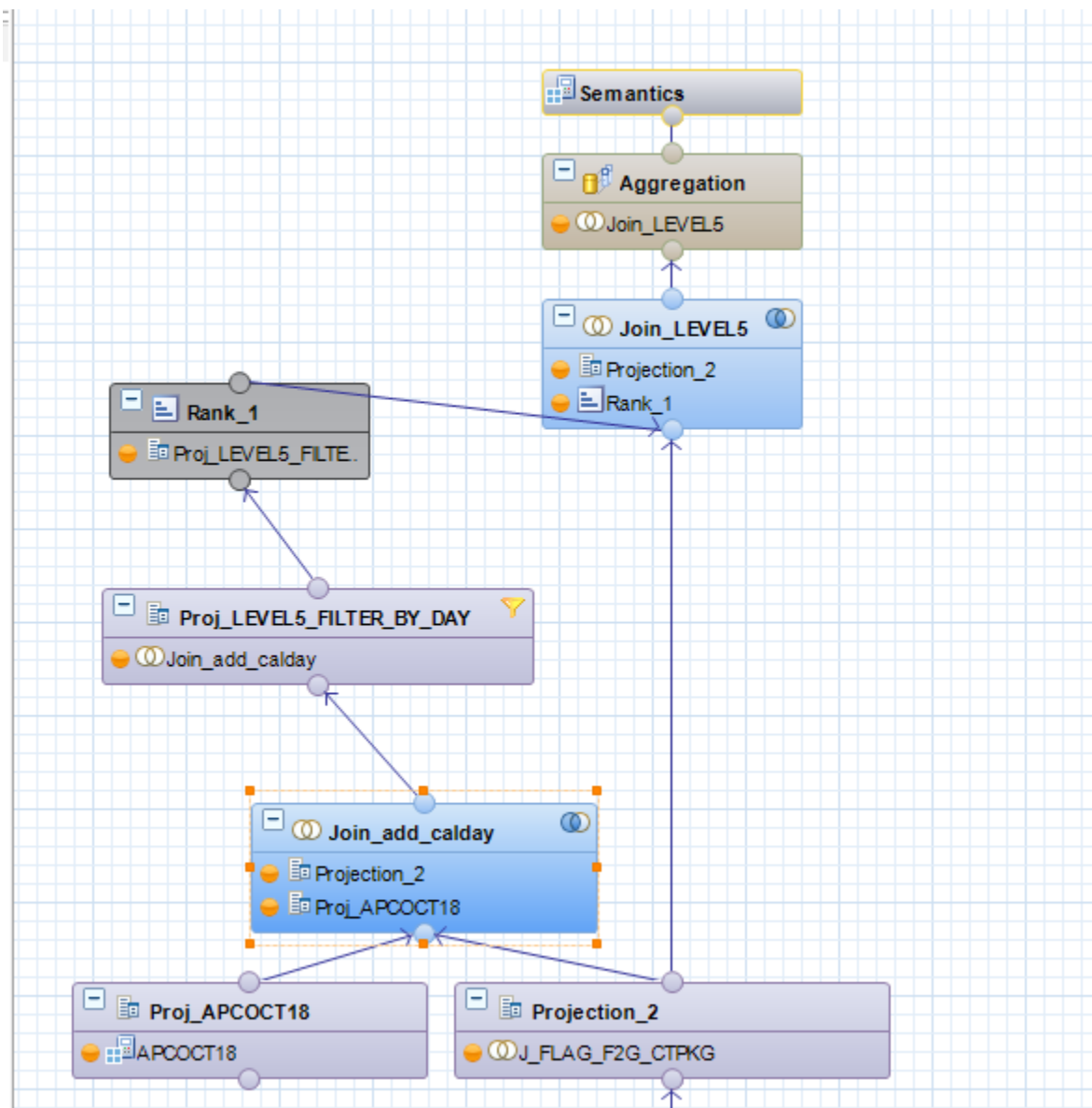
```
IF(strlen("C_TREX_A")>1, 'X', '')
```

|                                                                                                                                      |                                       |                                             |                                      |
|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------|--------------------------------------|
| Name:*                                                                                                                               | <input type="text" value="C_TREX_F"/> |                                             |                                      |
| Data Type:                                                                                                                           | <input type="text" value="NVARCHAR"/> | Length: <input type="text" value="100"/>    | Scale: <input type="text" value=""/> |
| Expression                                                                                                                           |                                       |                                             |                                      |
| Expression Editor                                                                                                                    |                                       |                                             |                                      |
| <input checked="" type="checkbox"/> Validate Syntax                                                                                  |                                       | Language: <input type="text" value="Colu"/> |                                      |
| <pre>IF(not isnull("C_CTEXR_F_C_CTMCPKG"),"C_CTEXR_F_C_CTMCPKG", IF(not isnull("C_CTEXR_F_C_CTPKG"), "C_CTEXR_F_C_CTPKG", ''))</pre> |                                       |                                             |                                      |

|                                                     |                                         |  |  |
|-----------------------------------------------------|-----------------------------------------|--|--|
| Name:*                                              | <input type="text" value="C_FLAG_F2G"/> |  |  |
| Data Type:                                          | <input type="text" value="NVARCHAR"/>   |  |  |
| Expression                                          |                                         |  |  |
| Expression Editor                                   |                                         |  |  |
| <input checked="" type="checkbox"/> Validate Syntax |                                         |  |  |
| <pre>IF(strlen("C_TREX_F")&gt;1,'X','')</pre>       |                                         |  |  |

## Level 5 - Responsible Cost center

Level 5 responsible cost center is retrieved in CV\_FMCO\_CO\_CT\_UNION\_COSTS\_TRANSPARENCY & CV\_FMCO\_CO\_CT\_UNION\_COSTS\_TRANSPARENCY\_DEST.



- 1 - Projection of adso APCOCT18 where L5 are stored.
- 2 - Join with costa (co\_area, c\_resp\_cc) to have calday (calculated with the first day of the costa period) from costa data in same line of L5.
- 3 - Projection of L5 with filter on L5 date from and L5 date to with help of calday.
- 4 - Rank to take only one L5 by co\_area, c\_resp\_cc and date.
- 5 - Join to add the L5 in costa table with join on CO\_AREA, C\_RESP\_CC and CALDAY.

## GBU Global

In calculations views

|                                |
|--------------------------------|
| CV_FMCO_CO_CT_COOM_DEST_RHODIA |
| CV_FMCO_CO_CT_COOM_DEST_SOLVAY |
| CV_FMCO_CO_CT_COMPOSITE_RHODIA |
| CV_FMCO_CO_CT_COMPOSITE_SOLVAY |
| CV_FMCO_CO_CT_AT_DEST_COR      |

|                                 |
|---------------------------------|
| CV_FMCO_CO_CT_AT_DEST_SAMPLE    |
| CV_FMCO_CO_CT_COST_NON_ERP      |
| CV_FMCO_CO_CT_COPA_COMPO_RHODIA |
| CV_FMCO_CO_CT_COPA_COMPO_SOLVAY |

The global GBU is calculated in fuction of C\_MAGNITU or C\_RESP\_CC:

If we don't have GBU in attribute of C\_MAGNITU (destination GBU) we use GBU from C\_RESP\_CC (origin GBU).

Rule in calculation view: if(isnull("C\_MAGNITU\_\_CPFCTR1\_2") OR "C\_MAGNITU\_\_CPFCTR1\_2" = "", "C\_RESP\_CC\_\_CPFCTR1\_2", "C\_MAGNITU\_\_CPFCTR1\_2")

## FI - Tab Sample COGS flow ECC WP1

Get ECC Sample COGS table in specific datasource and replicate it in BW part (Bex COSTA):

| Field    | Descript.         | D...                                                                                | Data type | Lngh | Decim... | Extern... | C..                                 | Key Field                           | Conv... | SS Conv. Rout. | cur/unit |
|----------|-------------------|-------------------------------------------------------------------------------------|-----------|------|----------|-----------|-------------------------------------|-------------------------------------|---------|----------------|----------|
| BUKRS    | Company Code      |    | CHAR      | 4    | 0        | 4         | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |         |                |          |
| GJAHR    | Fiscal Year       |    | NUMC      | 4    | 0        | 4         | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |         | GJAHR          |          |
| BELNR    | Document Nu...    |    | CHAR      | 10   | 0        | 10        | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |         | ALPHA          |          |
| BUZEI    | Line item         |    | NUMC      | 3    | 0        | 3         | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |         |                |          |
| MONAT    | Period            |    | NUMC      | 2    | 0        | 2         | <input type="checkbox"/>            | <input type="checkbox"/>            |         |                |          |
| BUDAT    | Posting Date      |    | DATS      | 8    | 0        | 8         | <input type="checkbox"/>            | <input type="checkbox"/>            |         |                |          |
| BLART    | Document type     |    | CHAR      | 2    | 0        | 2         | <input type="checkbox"/>            | <input type="checkbox"/>            |         |                |          |
| HKONT    | G/L               |  | CHAR      | 10   | 0        | 10        | <input type="checkbox"/>            | <input type="checkbox"/>            |         | ALPHA          |          |
| DMBTR    | Amount in LC      |  | CURR      | 13   | 2        | 15        | <input type="checkbox"/>            | <input type="checkbox"/>            |         |                | HWAER    |
| HWAER    | Local Currency    |  | CUKY      | 5    | 0        | 5         | <input type="checkbox"/>            | <input type="checkbox"/>            |         |                |          |
| MENGE    | Quantity          |  | QUAN      | 13   | 3        | 15        | <input type="checkbox"/>            | <input type="checkbox"/>            |         |                | MEINS    |
| MEINS    | Base Unit         |  | UNIT      | 3    | 0        | 3         | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |         | CUNIT          |          |
| FI_KOSTL | Cost Center       |  | CHAR      | 10   | 0        | 10        | <input type="checkbox"/>            | <input type="checkbox"/>            |         | ALPHA          |          |
| XBLNR    | Reference         |  | CHAR      | 16   | 0        | 16        | <input type="checkbox"/>            | <input type="checkbox"/>            |         |                |          |
| VBEL2    | Sales Document    |  | CHAR      | 10   | 0        | 10        | <input type="checkbox"/>            | <input type="checkbox"/>            |         | ALPHA          |          |
| POSN2    | Item              |  | NUMC      | 6    | 0        | 6         | <input type="checkbox"/>            | <input type="checkbox"/>            |         |                |          |
| AWTYP    | Ref. procedure    |  | CHAR      | 5    | 0        | 5         | <input type="checkbox"/>            | <input type="checkbox"/>            |         |                |          |
| KOKRS    | CO Area           |  | CHAR      | 4    | 0        | 4         | <input type="checkbox"/>            | <input type="checkbox"/>            |         |                |          |
| CO_BELNR | Document Nu...    |  | CHAR      | 10   | 0        | 10        | <input type="checkbox"/>            | <input type="checkbox"/>            |         | ALPHA          |          |
| CO_BUZEI | Posting row       |  | NUMC      | 3    | 0        | 3         | <input type="checkbox"/>            | <input type="checkbox"/>            |         |                |          |
| AUART    | Sales Doc. Typ... |  | CHAR      | 4    | 0        | 4         | <input type="checkbox"/>            | <input type="checkbox"/>            |         | AUART          |          |
| SD_KOSTL | Cost Center       |  | CHAR      | 10   | 0        | 10        | <input type="checkbox"/>            | <input type="checkbox"/>            |         | ALPHA          |          |
| MATNR    | Material          |  | CHAR      | 18   | 0        | 18        | <input type="checkbox"/>            | <input type="checkbox"/>            |         | MATN1          |          |
| WERKS    | Plant             |  | CHAR      | 4    | 0        | 4         | <input type="checkbox"/>            | <input type="checkbox"/>            |         |                |          |
| VTWEG    | Distr. Channel    |  | CHAR      | 2    | 0        | 2         | <input type="checkbox"/>            | <input type="checkbox"/>            |         |                |          |
| SPART    | Division          |  | CHAR      | 2    | 0        | 2         | <input type="checkbox"/>            | <input type="checkbox"/>            |         |                |          |
| KUNNR    | Sold-To Party     |  | CHAR      | 10   | 0        | 10        | <input type="checkbox"/>            | <input type="checkbox"/>            |         | ALPHA          |          |
| TSTMP_IN | Timestamp In      |  | DEC       | 15   | 0        | 15        | <input type="checkbox"/>            | <input type="checkbox"/>            |         |                |          |
| UNAME    | User Name         |  | CHAR      | 12   | 0        | 12        | <input type="checkbox"/>            | <input type="checkbox"/>            |         |                |          |

Needs column "S" of "Step 1 - Axis , Filters and authorization excel file":

Step 1 - Axis , Filters and authorization ☆ ↻ ☁ 📁

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| A                                               | B                   | S                                        | T                                        |
|-------------------------------------------------|---------------------|------------------------------------------|------------------------------------------|
|                                                 | Technical Object    | SAMPLE WP1                               |                                          |
| Source                                          |                     | ZTK_SAMPLE_COGS                          |                                          |
| Main Filter                                     |                     |                                          |                                          |
| Responsible Cost Center                         |                     |                                          |                                          |
| Controlling Area                                | CO_AREA             | MISSING                                  |                                          |
| Responsible CC                                  | C_RESP_CC           | BSEG-KOSTL                               |                                          |
| Responsible CC - BFC GBU                        | C_RESP_CC_CPFCTR1_2 | C_RESP_CC_CPFCTR1_2                      |                                          |
| + Hierarchy ZCBS                                | C_RESP_CC_C_FUNCT_0 | C_RESP_CC_C_FUNCT_0                      |                                          |
| Responsible CC - 1 Organisation                 | C_RESP_CC_C_FUNCT_1 | C_RESP_CC_C_FUNCT_1                      |                                          |
| Responsible CC - 2 Function                     | C_RESP_CC_C_FUNCT_2 | C_RESP_CC_C_FUNCT_2                      |                                          |
| Responsible CC - 3 Sub-function Grouping        | C_RESP_CC_C_FUNCT_3 | C_RESP_CC_C_FUNCT_3                      |                                          |
| Responsible CC - 4 Sub-function                 | C_RESP_CC_C_FUNCT_4 | C_RESP_CC_C_FUNCT_4                      |                                          |
| Responsible CC - BSA group                      | C_RESP_CC_C_BSAGRP  | C_RESP_CC_C_BSAGRP                       |                                          |
| Responsible CC - Person Responsible (CCRESP)    | C_RESP_CC_C_CCRESP  | C_RESP_CC_C_CCRESP                       |                                          |
| Responsible CC - Responsible Plant              | C_RESP_CC_C_RPLANT  | C_RESP_CC_C_RPLANT                       |                                          |
| Responsible CC - Authorization scope (c_authma) | C_RESP_CC_C_AUTHMA  | C_RESP_CC_C_AUTHMA                       |                                          |
| Responsible CC - Mixed Cost center              | C_RESP_CC_C_MIXCC   | C_RESP_CC_C_MIXCC                        |                                          |
| Cost Center                                     | C_COSTCTR           | BSEG-KOSTL                               |                                          |
| Site Restated                                   | C_SITER             | Use attribute C_siter of Oplant          | Use attribute C_siter of Oplant          |
| COSTELEMENT                                     |                     | If attribute is empty or no plant use 00 | If attribute is empty or no plant use 00 |

+ TO DO V2 TODO KT MAPPING Hierarchie L5 ANAPLAN/F2G SCOPE GBU DE FACT

| FI - Tab Sample COGS                                                                                                                                             | ZFI_SAMPLE_COGS                  | Change | DataSources   | WV1_400 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|--------|---------------|---------|
| Data Flow Upwards                                                                                                                                                | _DATAFLOW_UPWARDS                |        |               |         |
| <ul style="list-style-type: none"> <li>ZFI_SAMPLE_COGS / WV1_400 -&gt; APCOCT08 <ul style="list-style-type: none"> <li>Sample WP1</li> </ul> </li> </ul>         | DTP_B1FNYSNDTRTOOXRRYD1UXJEPP    | Change |               |         |
|                                                                                                                                                                  | APCOCT08                         | Manage | InfoProviders |         |
| <ul style="list-style-type: none"> <li>RSDS ZFI_SAMPLE_COGS WV1_400 -&gt; ADSO APCOCT08 <ul style="list-style-type: none"> <li>Sample WP1</li> </ul> </li> </ul> | 0781Y19569FXFBK14M7Z4GECR1VWU31C | Change |               |         |
|                                                                                                                                                                  | APCOCT08                         | Manage | InfoProviders |         |

aDSO creation has been made :

- APCOCT08 with PK:
  - 0LOGSYS
  - C\_COMPCDE
  - 0CALYEAR
  - 0AC\_DOC\_NO
  - 0ITEM\_NUM

Rules In start routine:

SITER field determination, with dso DPCOMPCD(DSO : Company Code Specific Attributes Purchasing) with company code and OPLANT master data with plant

```

*$$$ begin of routine - insert your code only below this line
CALL FUNCTION 'Z_WBW_SOURCE_SYSTEM'
  EXPORTING
    ip_landscape      = 'RCS'
  IMPORTING
    ip_source_system = w_logsys.

SELECT * FROM /bic/adpcompd00 INTO TABLE it_siter
  FOR ALL ENTRIES IN SOURCE_PACKAGE
  WHERE /bic/c_compcde = SOURCE_PACKAGE-bukrs.
IF sy-subrc = 0.
  SORT it_siter BY logsys /bic/c_compcde.
  DELETE it_siter WHERE logsys <> w_logsys.
  SORT it_siter BY /bic/c_compcde.
ENDIF.

SELECT * FROM /bi0/mplant INTO TABLE it_plant
  FOR ALL ENTRIES IN SOURCE_PACKAGE
  WHERE plant = SOURCE_PACKAGE-werks
  AND objvers = 'A'.
IF sy-subrc = 0.
  SORT it_plant BY plant.
ENDIF.

```

in target part for master data C\_SITER:

First get C\_SITE data in OPLANT (internal table IT\_PLANT) and if no data get C\_SITER in dso DPCOMPCD (internal table IT\_SITER)

```

*$$$ begin of routine - insert your code only below this line      ***
] IF source_fields_rule-bukrs IS NOT INITIAL.
  UNASSIGN <fs_plant>.
  READ TABLE it_plant ASSIGNING <fs_plant> WITH KEY plant =
    source_fields_rule-werks BINARY SEARCH.
] IF sy-subrc = 0.
  RESULT = <fs_plant>-/bic/c_site .
  ENDIF.
ENDIF.

] IF ( source_fields_rule-bukrs IS INITIAL OR RESULT IS INITIAL ) AND
source_fields_rule-werks IS NOT INITIAL.
  UNASSIGN <fs_siter>.
  READ TABLE it_siter ASSIGNING <fs_siter> WITH KEY logsys =
    w_logsys
    /bic/c_compcde = source_fields_rule-bukrs.
] IF sy-subrc = 0.
  RESULT = <fs_siter>-/bic/c_siter .
  ENDIF.
ENDIF.

```

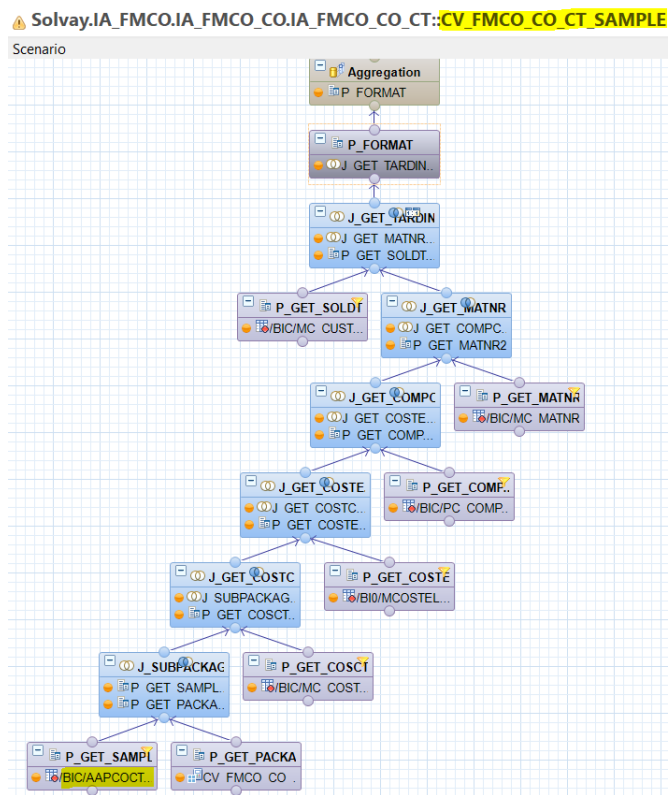
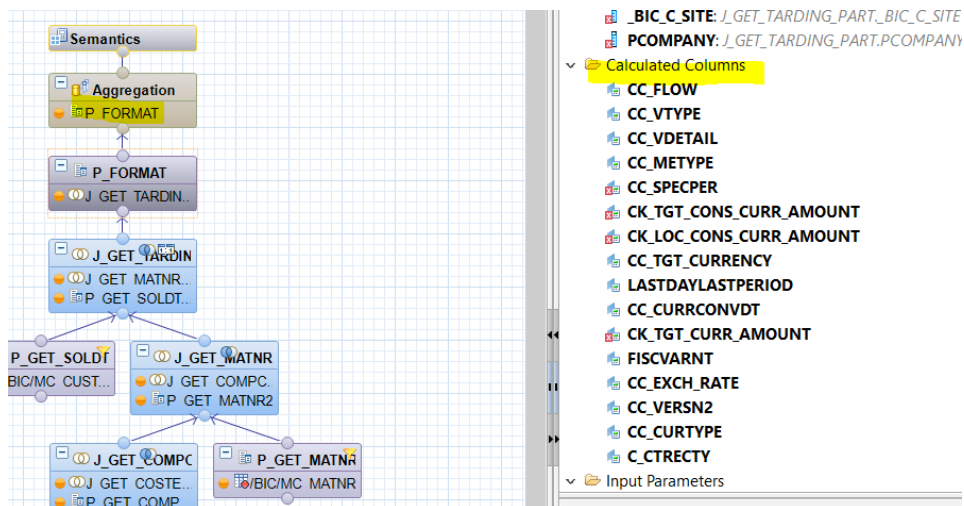
For DTP.: full loading.

Process chain get data to ECC and load the aDSO APCOCT08 - PC\_CT\_TR\_SAMPLE

This process chain has been put in COSTA global Process chain PC\_CT\_META\_01 and load every day.

aDSO is used in calculation view CV\_FMCO\_CO\_CT\_SAMPLE and get in left join several fields.

There are calculated columns in projection P\_FORMAT:



this calculation view is used in composite provider CPCOCT01.

## Non ERP flow CYTEC CBS

Goal: Load from CYTEC Non ERP data (Bex COSTA) for cost center and cost element to:

- cube CUB\_FC007 (ods ODSBCCA9)
- master data 0C\_COSTCTR
- master data 0COSTELMNT

Needs column "Y" of "Step 1 - Axis , Filters and authorization" excel file:

Step 1 - Axis , Filters and authorization

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|    | A                                                                                                                                                                 | B                                                                                                               | Y                                                                                                               |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| 1  |                                                                                                                                                                   |                                                                                                                 | NON ERP                                                                                                         |
| 2  |                                                                                                                                                                   | Technical Object                                                                                                | ODSBCCA9                                                                                                        |
| 3  | Source                                                                                                                                                            |                                                                                                                 |                                                                                                                 |
| 4  | Main Filter                                                                                                                                                       |                                                                                                                 |                                                                                                                 |
| 5  |                                                                                                                                                                   |                                                                                                                 |                                                                                                                 |
| 6  | Responsible Cost Center                                                                                                                                           |                                                                                                                 |                                                                                                                 |
| 7  | Controlling Area                                                                                                                                                  | CO_AREA                                                                                                         |                                                                                                                 |
| 8  | Responsible CC                                                                                                                                                    | C_RESP_CC                                                                                                       | C_COSTCTR                                                                                                       |
| 9  | Responsible CC - BFC GBU                                                                                                                                          | C_RESP_CC_CPFCTR1_2                                                                                             | C_RESP_CC_CPFCTR1_2                                                                                             |
| 10 | + Hierarchy ZCBS<br>Responsible CC - 1 Organisation<br>Responsible CC - 2 Function<br>Responsible CC - 3 Sub-function Grouping<br>Responsible CC - 4 Sub-function | C_RESP_CC_C_FUNCT_0<br>C_RESP_CC_C_FUNCT_1<br>C_RESP_CC_C_FUNCT_2<br>C_RESP_CC_C_FUNCT_3<br>C_RESP_CC_C_FUNCT_4 | C_RESP_CC_C_FUNCT_0<br>C_RESP_CC_C_FUNCT_1<br>C_RESP_CC_C_FUNCT_2<br>C_RESP_CC_C_FUNCT_3<br>C_RESP_CC_C_FUNCT_4 |
| 11 | Responsible CC - BSA group                                                                                                                                        | C_RESP_CC_C_BSAGRP                                                                                              | C_RESP_CC_C_BSAGRP                                                                                              |
| 12 | Responsible CC - Person Responsible (CCRESP)                                                                                                                      | C_RESP_CC_C_CCRESP                                                                                              | C_RESP_CC_C_CCRESP                                                                                              |
| 13 | Responsible CC - Responsible Plant                                                                                                                                | C_RESP_CC_C_RPLANT                                                                                              | C_RESP_CC_C_RPLANT                                                                                              |
| 14 | Responsible CC - Authorization scopce (c_authma)                                                                                                                  | C_RESP_CC_C_AUTHMA                                                                                              | C_RESP_CC_C_AUTHMA                                                                                              |
| 15 | Responsible CC - Mixed Cost center                                                                                                                                | C_RESP_CC_C_MIXCC                                                                                               | C_RESP_CC_C_MIXCC                                                                                               |
| 16 | Cost Center                                                                                                                                                       | C_COSTCTR                                                                                                       | C_COSTCTR                                                                                                       |
| 17 | Site Restated                                                                                                                                                     | C_SITER                                                                                                         | Use attribuite C_siter of 0plant<br>If attribute is empty or no plant use 0C                                    |

Loading is made in program ZBW\_CYTEC\_CBS and download in AL11 directory with csv file:

- /exploit/BW/Cytec/cbs\_function\_costs\_cytec\_NARAUJO.csv

3 process chain are used for load NERP data in cube and 2 master data:

- PC\_FC\_CYTEC\_003
- PC\_FC\_CYTEC\_002
- PC\_FC\_CYTEC\_001

PSA deletion has been made in program with process chain:

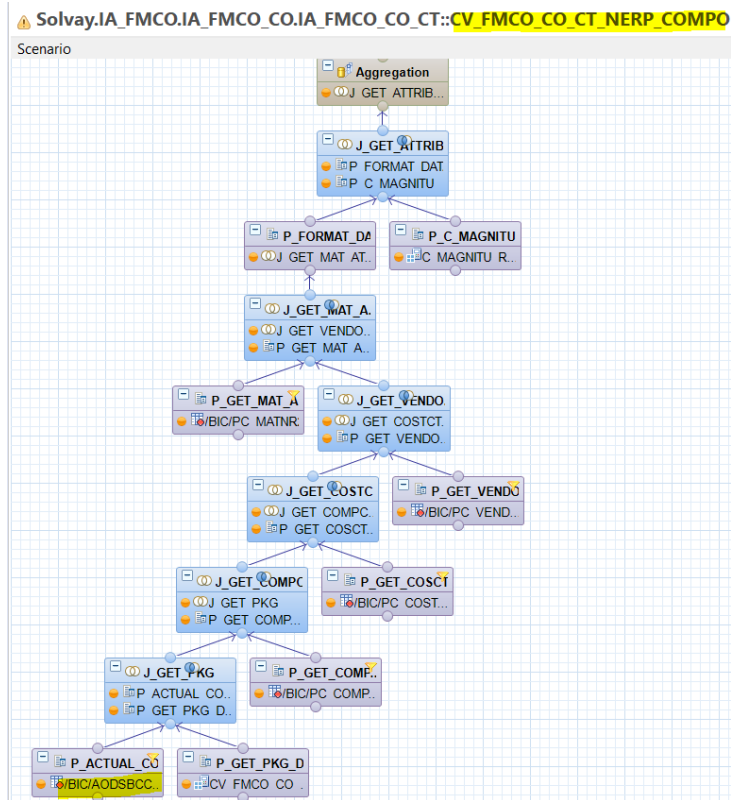
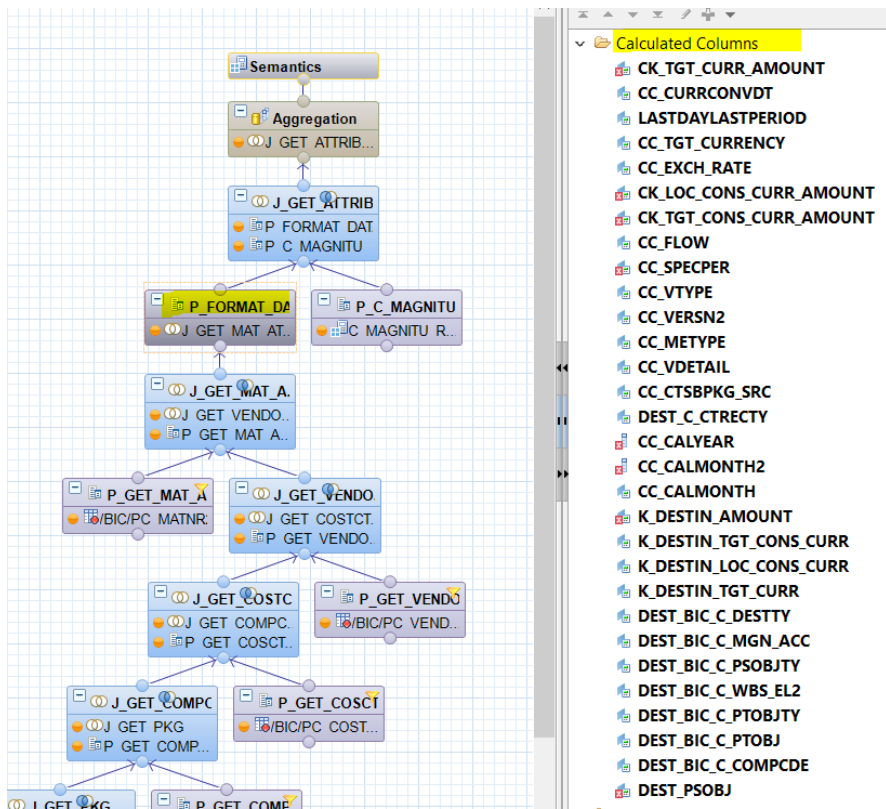
- PC\_FC\_CYTEC\_003A
- PC\_FC\_CYTEC\_002A
- PC\_FC\_CYTEC\_001A

NERP BW Flow:

|                                                             |                                  |
|-------------------------------------------------------------|----------------------------------|
| Cost Centers: Actual Costs (External data)                  | ODSBCCA9                         |
| TRSF: DTS_CC_ACTUAL_COST_EXTERNAL -> ODSBCCA9 (ext.data)    | 0M7PNVR8502GQCSIU27UH87R0BLH9JZE |
| Cost Centers: Actual Costs - Line Items (external data)     | DTS_CC_ACTUAL_COST_EXTERNAL      |
| Copy Infopackage                                            | ZPAK_5NHC11RT2GT8RQ9TUB9WQ8TOF   |
| IP: DTS_CC_ACTUAL_COST_EXTERNAL -> ODSBCCA9                 | ZPAK_55IR6JLYXS6SG5EZ91EHYDRE    |
| IP: DTS_CC_ACTUAL_COST_EXTERNAL -> ODSBCCA9 (F.file server) | ZPAK_55PZEC66KJMURCDBGM5WXY90Q   |
| Data Transfer Processes                                     | ODSBCCA9                         |
| DTP: DTS_CC_ACTUAL_COST_EXTERNAL -> ODSBCCA9 (ext.data)     | DTP_55IR7GW95VURI4FG9J6M2GTGQ    |
| Data Flow Upwards                                           | _DATAFLOW_UPWARDS                |
| DTP: ODSBCCA9 -> CUB_FC007 (delta ext.data)                 | DTP_55GC7JUHVI1OPT418GRXDBV3E    |
| TRSF: ODSBCCA9 -> CUB_FC007 (External data)                 | 07ICZJO6JY6PDADB98ZH35J3WOC100FQ |

dso is used in calculation view CV\_FMCO\_CO\_CT\_NERP\_COMPO and get in left join several fields.

There are calculated columns in projection P\_FORMAT:



this calculation view is used in composite provider CPCOCT01.

## Budget flow loading by flat file

Goal is to upload with flat file budget COSTA data and import it in BW (Bex COSTA) from program ZBW\_COSTA\_BUDGET

Needs column "AF" of "Step 1 - Axis , Filters and authorization" excel file:

| Step 1 - Axis , Filters and authorization                                        |                                                                                                                                                                   |                                                                                                                 |                                                                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
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| 17                                                                               | fx                                                                                                                                                                |                                                                                                                 |                                                                                                                                                                                                                                                                        |
|                                                                                  | A                                                                                                                                                                 | B                                                                                                               | AE AF                                                                                                                                                                                                                                                                  |
| 1                                                                                |                                                                                                                                                                   |                                                                                                                 | BUDGET FLOW                                                                                                                                                                                                                                                            |
| 2                                                                                |                                                                                                                                                                   | Technical Object                                                                                                |                                                                                                                                                                                                                                                                        |
| 3                                                                                | Source                                                                                                                                                            |                                                                                                                 |                                                                                                                                                                                                                                                                        |
| 4                                                                                | Main Filter                                                                                                                                                       |                                                                                                                 |                                                                                                                                                                                                                                                                        |
| 5                                                                                |                                                                                                                                                                   |                                                                                                                 |                                                                                                                                                                                                                                                                        |
| 6                                                                                | Responsible Cost Center                                                                                                                                           |                                                                                                                 |                                                                                                                                                                                                                                                                        |
| 7                                                                                | Controlling Area                                                                                                                                                  | CO_AREA                                                                                                         | CO_AREA if feeded else #                                                                                                                                                                                                                                               |
| 8                                                                                | Responsible CC                                                                                                                                                    | C_RESP_CC                                                                                                       | object (s C_RESP_CC if C_RESP_CC feeded else #                                                                                                                                                                                                                         |
| 9                                                                                | Responsible CC - BFC GBU                                                                                                                                          | C_RESP_CC_CPFCTR1_2                                                                                             | C_RESP_CC_CPFCTR1_2 if C_RESP_CC feeded else CPFCTR1_2                                                                                                                                                                                                                 |
| 10                                                                               | + Hierarchy ZCBS<br>Responsible CC - 1 Organisation<br>Responsible CC - 2 Function<br>Responsible CC - 3 Sub-function Grouping<br>Responsible CC - 4 Sub-function | C_RESP_CC_C_FUNCT_0<br>C_RESP_CC_C_FUNCT_1<br>C_RESP_CC_C_FUNCT_2<br>C_RESP_CC_C_FUNCT_3<br>C_RESP_CC_C_FUNCT_4 | C_RESP_CC_C_FUNCT_0 if C_RESP_CC feeded else ???<br>C_RESP_CC_C_FUNCT_1 if C_RESP_CC feeded else ???<br>C_RESP_CC_C_FUNCT_2 if C_RESP_CC feeded else ???<br>C_RESP_CC_C_FUNCT_3 if C_RESP_CC feeded else ???<br>C_RESP_CC_C_FUNCT_4 if C_RESP_CC feeded else C_FUNCT_4 |
| 11                                                                               | Responsible CC - BSA group                                                                                                                                        | C_RESP_CC_C_BSAGRP                                                                                              | C_RESP_CC_C_BSAGRP if C_RESP_CC feeded else C_FUNCT_4_BSAGRP                                                                                                                                                                                                           |
| 12                                                                               | Responsible CC - Person Responsible (CCRESP)                                                                                                                      | C_RESP_CC_C_CCRESP                                                                                              | C_RESP_CC_C_CCRESP if C_RESP_CC feeded else #                                                                                                                                                                                                                          |
| 13                                                                               | Responsible CC - Responsible Plant                                                                                                                                | C_RESP_CC_C_RPLANT                                                                                              | C_RESP_CC_C_RPLANT if C_RESP_CC feeded else #                                                                                                                                                                                                                          |
| 14                                                                               | Responsible CC - Authorization scopce (c_authma)                                                                                                                  | C_RESP_CC_C_AUTHMA                                                                                              | C_RESP_CC_C_AUTHMA if C_RESP_CC feeded else SOLVAY                                                                                                                                                                                                                     |
| 15                                                                               | Responsible CC - Mixed Cost center                                                                                                                                | C_RESP_CC_C_MIXCC                                                                                               | C_RESP_CC_C_MIXCC if C_RESP_CC feeded else ???                                                                                                                                                                                                                         |
| 16                                                                               | Cost Center                                                                                                                                                       | C_COSTCTR                                                                                                       | C_RESP_CC if C_RESP_CC feeded else #                                                                                                                                                                                                                                   |
| 17                                                                               | Site Restated                                                                                                                                                     | C_SITER                                                                                                         | Use attribuite C_siter of Oplant<br>MP_CC If attribute is empty or no plant use 0COMP_CODE to search in DSO DPCOMPCD                                                                                                                                                   |

Template of Budget flat file :

[https://drive.google.com/file/d/12\\_rgc58981MmPmEnRO-rpk7hThCFSudz/view](https://drive.google.com/file/d/12_rgc58981MmPmEnRO-rpk7hThCFSudz/view)

aDSO has been created for get Budget data from AL11 folder:

- APCOCT12
- /exploit/BW/COSTA/budget\_costa.csv

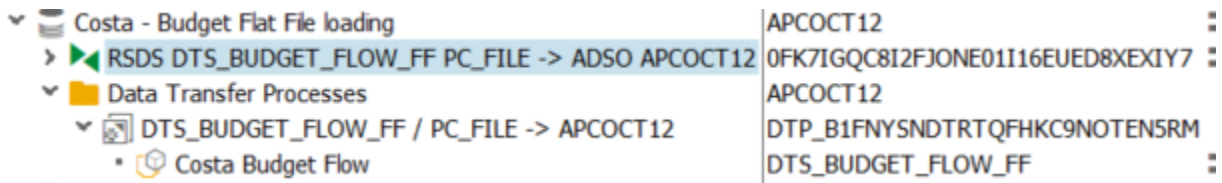
An event have been created for data loading in BW side:

- Z\_EVT\_START\_PC\_CT\_BUDGET\_01

Process chain is:

- PC\_CT\_BUDGET\_01

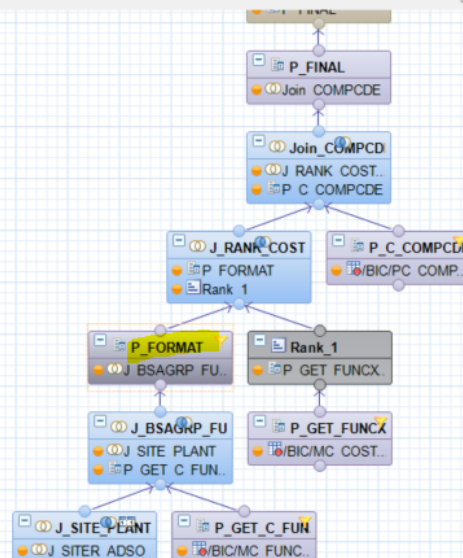
Budget BW flow:



aDSO APCOCT12 is used in calculation view CV\_FMCO\_CO\_CT\_BUDGET\_FLOW and get in left join several fields.

There are calculated columns in projection P\_FORMAT:

scenario



Output

\_BIC\_C\_COMPCDE: J\_BSAGRP\_FU  
 VIEW\_BIC\_C\_FUNCT\_0: J\_BSAGRP  
 VIEW\_BIC\_C\_FUNCT\_1: J\_BSAGRP  
 VIEW\_BIC\_C\_FUNCT\_2: J\_BSAGRP  
 VIEW\_BIC\_C\_FUNCT\_3: J\_BSAGRP  
 Calculated Columns  
 C\_SITE  
 CPFCTR1\_2  
 C\_FUNCT\_4  
 C\_AUTHMA  
 C\_BSAGRP  
 K\_INTRAT  
 CC\_VDETAIL  
 CC\_METYPE  
 CC\_VTYPE  
 Input Parameters  
 IP\_REF\_DATE  
 IP\_ERP\_SYSLOG  
 IP\_BW\_CLIENT  
 IP\_EXCH\_RATE  
 IP\_TGT\_CURR



this calculation view is used in composite provider CPCOCT01.

## IFRS16 FIAP lease Rhodia and Solvay

Goal is to get data in dso DBFIPA10 CAPEX Rhodia - FIAP Lease and DBFIPA11 CAPEX Solvay - FIAP Lease.

There are not specific program but there are calculation view with several left join to get several fields.

Needs column "V" and "W" of "Step 1 - Axis , Filters and authorization" excel file:

Step 1 - Axis , Filters and authorization

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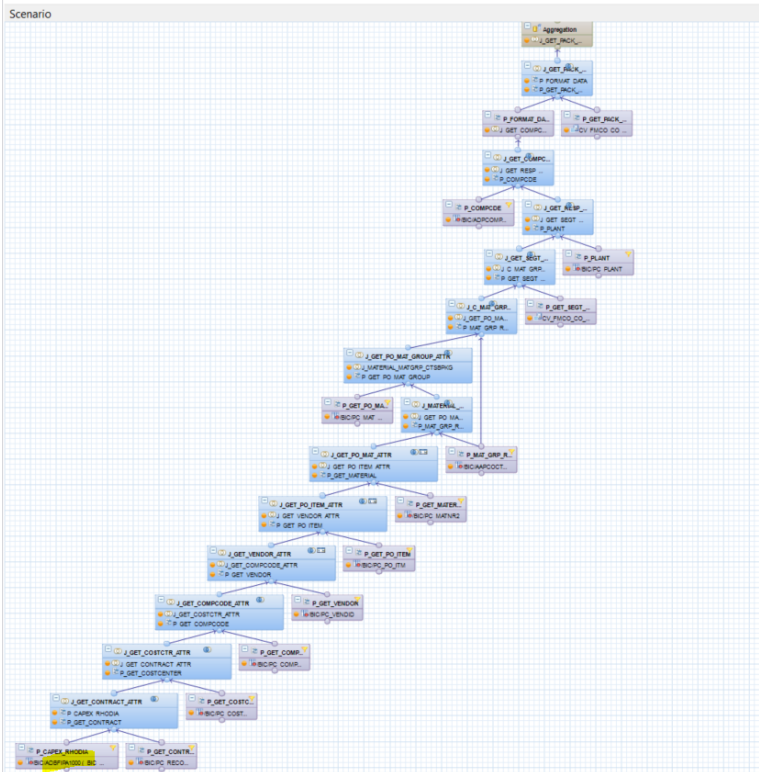
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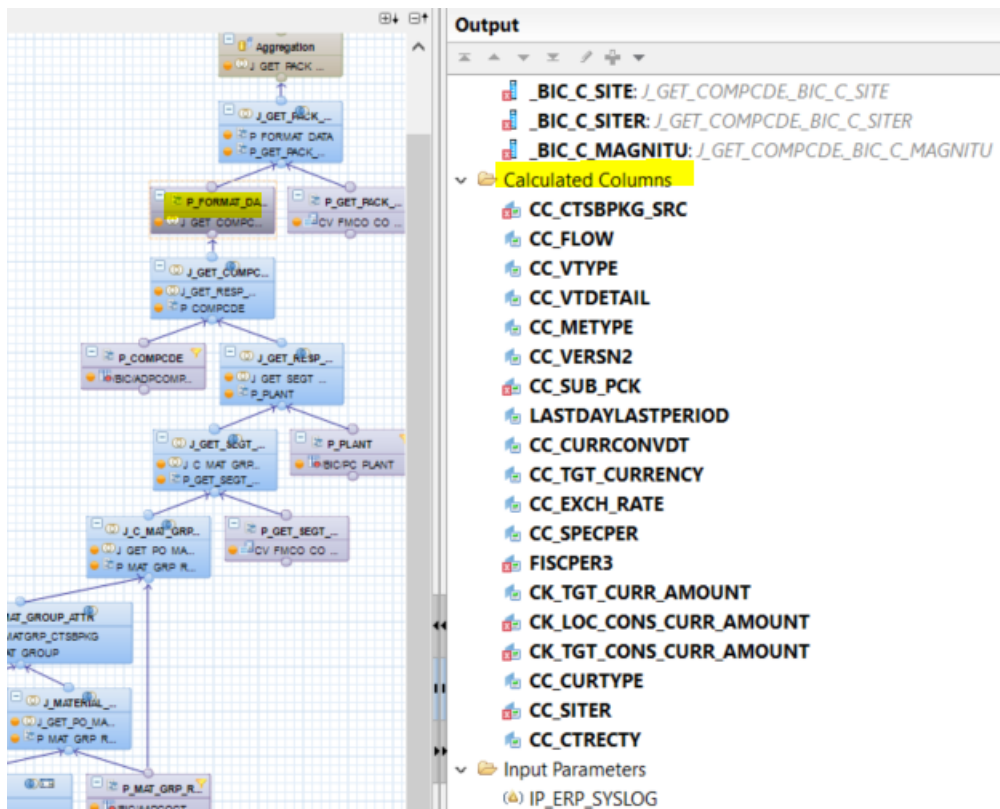
fx Main Filter

|    |                                                  |                      |                                                                                                          |                                                                                                      |
|----|--------------------------------------------------|----------------------|----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| 1  |                                                  |                      |                                                                                                          |                                                                                                      |
| 2  |                                                  | Technical Object     | IFRS16                                                                                                   |                                                                                                      |
| 3  | Source                                           |                      | DBFIPA10 CAPEX Rhodia - FIAP Lease                                                                       | DBFIPA11 CAPEX Solvay - FIAP Lease                                                                   |
| 4  | Main Filter                                      |                      |                                                                                                          |                                                                                                      |
| 5  |                                                  |                      |                                                                                                          |                                                                                                      |
| 6  | Responsible Cost Center                          |                      |                                                                                                          |                                                                                                      |
| 7  | Controlling Area                                 | CO_AREA              | OCO_AREA                                                                                                 |                                                                                                      |
| 8  | Responsible CC                                   | C_RESP_CC            | Cost center du contrat (C_RECONTR__C_COSTCTR)                                                            | Cost center du contrat (C_RECONTR__C_COSTCTR) or logsys/co                                           |
| 9  | Responsible CC - BFC GBU                         | C_RESP_CC__CPFCTR1_2 | C_RESP_CC__CPFCTR1_2                                                                                     |                                                                                                      |
| 10 | + Hierarchy ZCBS                                 | C_RESP_CC__C_FUNCT_0 | C_RESP_CC__C_FUNCT_0                                                                                     |                                                                                                      |
|    | Responsible CC - 1 Organisation                  | C_RESP_CC__C_FUNCT_1 | C_RESP_CC__C_FUNCT_1                                                                                     |                                                                                                      |
|    | Responsible CC - 2 Function                      | C_RESP_CC__C_FUNCT_2 | C_RESP_CC__C_FUNCT_2                                                                                     |                                                                                                      |
|    | Responsible CC - 3 Sub-function Grouping         | C_RESP_CC__C_FUNCT_3 | C_RESP_CC__C_FUNCT_3                                                                                     |                                                                                                      |
|    | Responsible CC - 4 Sub-function                  | C_RESP_CC__C_FUNCT_4 | C_RESP_CC__C_FUNCT_4                                                                                     |                                                                                                      |
| 11 | Responsible CC - BSA group                       | C_RESP_CC__C_BSAGRP  | C_RESP_CC__C_BSAGRP                                                                                      |                                                                                                      |
| 12 | Responsible CC - Person Responsible (CCRESP)     | C_RESP_CC__C_CCRESP  | C_RESP_CC__C_CCRESP                                                                                      |                                                                                                      |
| 13 | Responsible CC - Responsible Plant               | C_RESP_CC__C_RPLANT  | C_RESP_CC__C_RPLANT                                                                                      |                                                                                                      |
| 14 | Responsible CC - Authorization scopce (c_authma) | C_RESP_CC__C_AUTHMA  | C_RESP_CC__C_AUTHMA                                                                                      |                                                                                                      |
| 15 | Responsible CC - Mixed Cost center               | C_RESP_CC__C_MIXCC   | C_RESP_CC__C_MIXCC                                                                                       |                                                                                                      |
| 16 | Cost Center                                      | C_COSTCTR            | Cost center du contrat (C_RECONTR__C_COSTCTR)                                                            |                                                                                                      |
| 17 | Site Restated                                    | C_SITER              | Use attribute C_siter of Oplant<br>If attribute is empty or no plant use OCOMP_CODE to search in DSO DPC | Use attribute C_siter of Oplant<br>If attribute is empty or no plant use OCOMP_CODE to search in DSC |

dso are used in calculation view CV\_FMCO\_CO\_CT\_WCFI\_LEASE\_COMPO\_RHODIA and CV\_FMCO\_CO\_CT\_WCFI\_LEASE\_COMPO\_SOLVAY get in left join several fields.



There are calculated columns in projection P\_FORMAT:



this calculation view is used in composite provider CPCOCT01.

## Corrective Flow

Goal is to actual and quantity correction in COSTA flow.

Needs column "AD" of "Step 1 - Axis , Filters and authorization" excel file:

Step 1 - Axis , Filters and authorization

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A4 Main Filter

|    | A                                                           | B                                                                                                | AC | AD                                                                                               |
|----|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----|--------------------------------------------------------------------------------------------------|
| 1  |                                                             |                                                                                                  |    | CORRECTIVE FLOW                                                                                  |
| 2  |                                                             | Technical Object                                                                                 |    | APCOCT07                                                                                         |
| 13 | Responsible CC - Responsible Plant                          | C_RESP_CC__C_RPLANT                                                                              |    | C_RESP_CC__C_RPLANT                                                                              |
| 14 | Responsible CC - Authorization scope (c_authma)             | C_RESP_CC__C_AUTHMA                                                                              |    | C_RESP_CC__C_AUTHMA                                                                              |
| 15 | Responsible CC - Mixed Cost center                          | C_RESP_CC__C_MIXCC                                                                               |    | C_RESP_CC__C_MIXCC                                                                               |
| 16 | Cost Center                                                 | C_COSTCTR                                                                                        |    | C_COSTCTR                                                                                        |
| 17 | Site Restated                                               | C_SITER                                                                                          |    | tribute Use attribiute C_siter of Oplant<br>oute is If attribute is empty or no plant use OCO    |
| 18 | COST ELEMENT                                                |                                                                                                  |    |                                                                                                  |
| 19 |                                                             |                                                                                                  |    |                                                                                                  |
|    | Cost Element                                                | 0COSTELMNT                                                                                       |    | 0COSTELMNT                                                                                       |
| 20 |                                                             | 0COSTELMNT__C_CELTHF1<br>0COSTELMNT__C_CELTHF2<br>0COSTELMNT__C_CELTHF3<br>0COSTELMNT__C_CELTHF4 |    | 0COSTELMNT__C_CELTHF1<br>0COSTELMNT__C_CELTHF2<br>0COSTELMNT__C_CELTHF3<br>0COSTELMNT__C_CELTHF4 |
| 21 | Cost Element - Fixed cost Group xx (cost element hierarchy) |                                                                                                  |    |                                                                                                  |
| 22 | Cost Element - Category                                     | 0COSTELMNT__0CSTELMNTYP                                                                          |    | 0COSTELMNT__0CSTELMNTYP                                                                          |
| 23 | Cost Element-Variable Cost Element                          | 0COSTELMNT__C_VRCOSTL                                                                            |    | 0COSTELMNT__C_VRCOSTL                                                                            |
| 24 | Company Code                                                |                                                                                                  |    |                                                                                                  |
| 25 | Company code                                                | C_COMPCDE                                                                                        |    | Company Code Of the Orgin Object (see                                                            |
| 26 | Company code - Methode de conso                             | C_COMPCDE__C_CSMETH                                                                              |    | C_COMPCDE__C_CSMETH                                                                              |
| 27 | Company code - PRS Compnay Code                             | C_COMPCDE__C_COMPPRS                                                                             |    | C_COMPCDE__C_COMPPRS                                                                             |
| 28 | Company code - Country                                      | C_COMPCDE__0COUNTRY                                                                              |    | C_COMPCDE__0COUNTRY                                                                              |
| 29 | Company code - Geography / Zone                             | C_COMPCDE__C_ZONE                                                                                |    | C_COMPCDE__C_ZONE                                                                                |
| 30 |                                                             | C_COMPCDE__C_ZONE                                                                                |    | C_COMPCDE__C_ZONE                                                                                |

Template of file for program ZBW\_CORR\_FLOW (transaction ZBW\_COR\_COSTA):

[https://drive.google.com/file/d/1A9cxFofRBGiyUNW9\\_97p2u\\_NJltUQCE1/view](https://drive.google.com/file/d/1A9cxFofRBGiyUNW9_97p2u_NJltUQCE1/view)

Loading is made in program ZBW\_CORR\_FLOW and download in AL11 directory with csv file:

- /exploit/BW/COSTA/CORR/corr\_costa.csv

aDSO have been created:

- APCOCT07

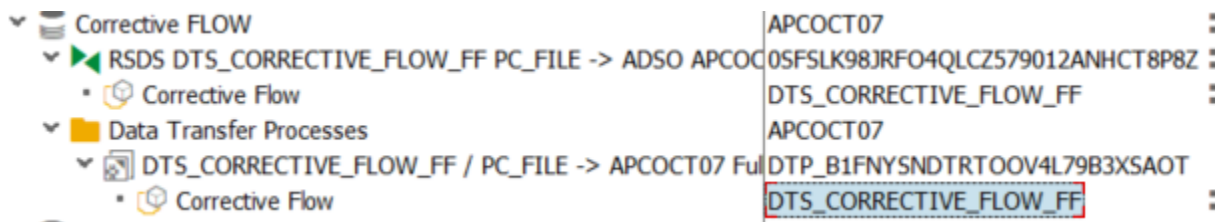
No event have been created for data loading in BW side:

- loading is made on demand

Process chain is:

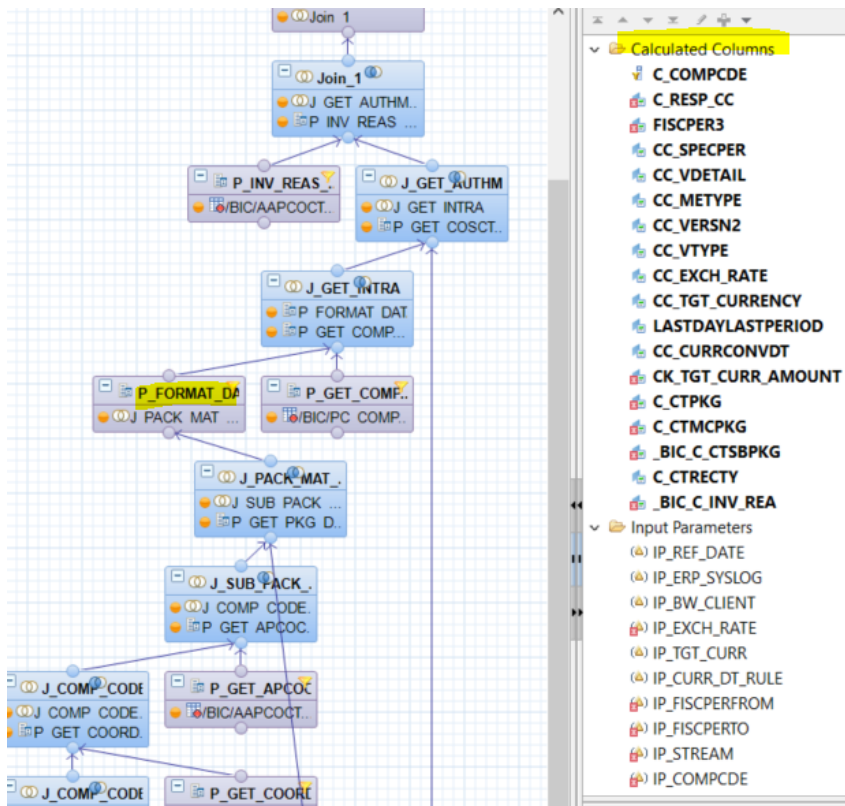
- PC\_CT\_CORREC\_01

Budget BW flow:

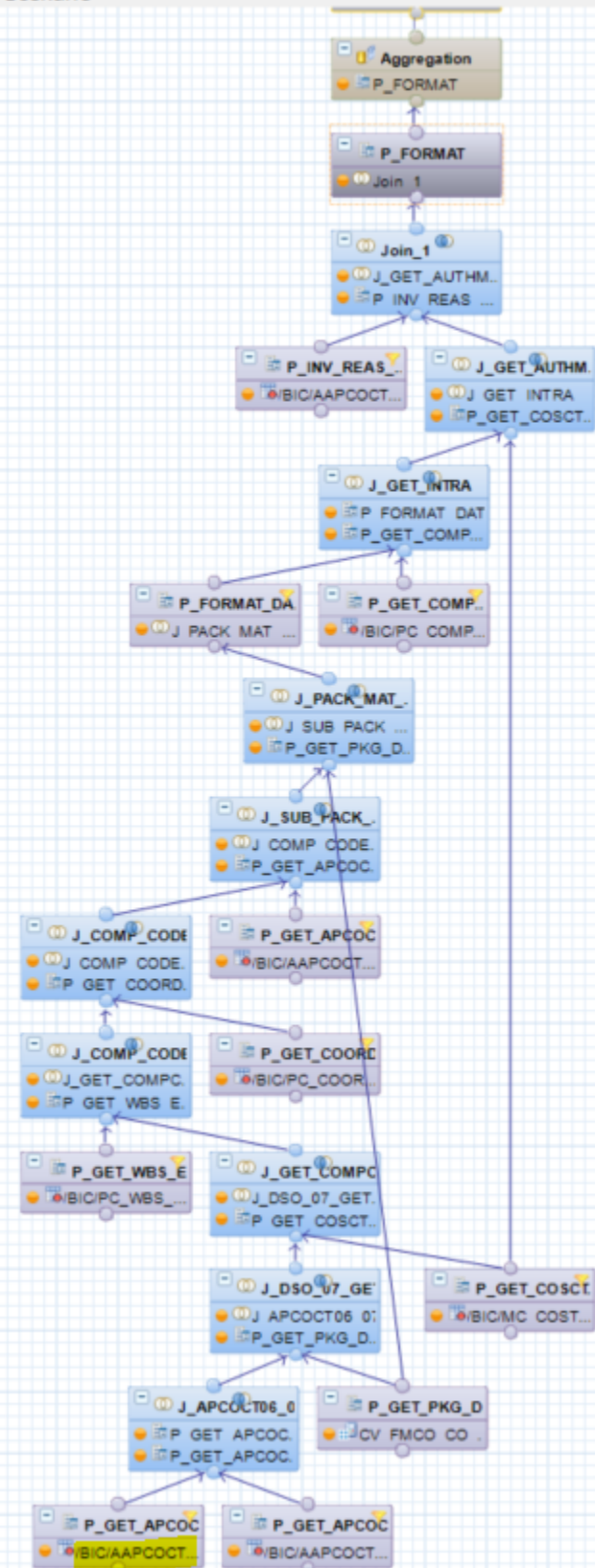


aDSO APCOCT07 is used in calculation view CV\_FMCO\_CO\_CT\_CORR\_FLOW and get in left join several fields.

There are calculated columns in projection P\_FORMAT:



## Scenario



this calculation view is used in composite provider CPCOCT01.

PCARD flow

Goal identify with a flag all CO document (at header level) link to PCARD Flow( COOM flow Solvay and Rhodia).

PCARD GL Account is put in table C\_GLBFLT for determine relative CO document GL Account for PCARD, GL Account can be changed :

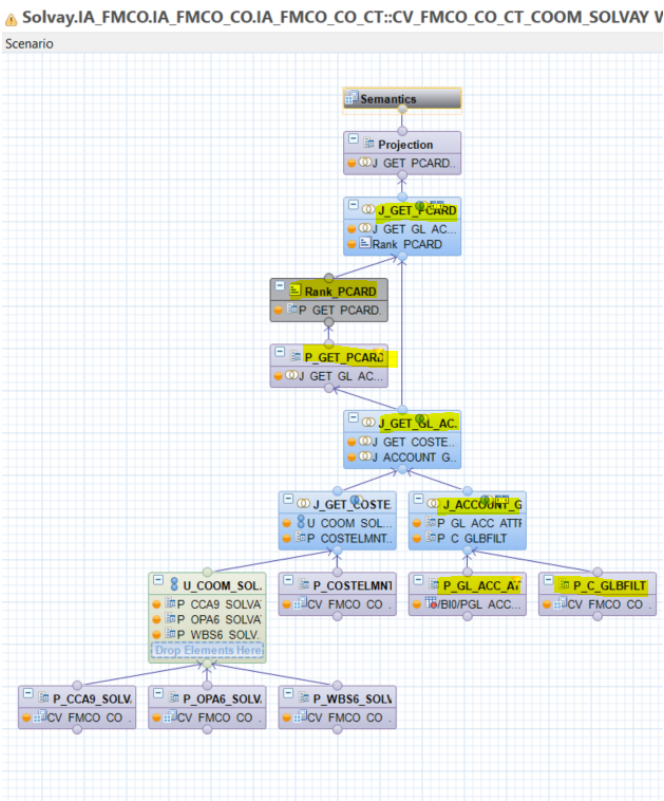
**WBD: Change Master Data of InfoObject C\_GLBFLT**  
Save and Activate ☐ New ☐ Delete Keys ☐ Application Log ☐ Most Recent Versions ☐ Display Values without Master Data  
☒ Master data of characteristic C\_GLBFLT saved  
☒ The master data of characteristic C\_GLBFLT was activated

**Selection**  
  
Global Filter Stream (Application): FMCO\_CO\_CT To   
Global Filter Rule: GLACCOUNT To   
Global Filter:  To   
Maximum No. of Hits: 200

**Master Data**  
  
     

| Global Filter Stream (App.) | Global Filter Rule | Global Filter | Global Filter Description | Global Filter Sign | Global Filter Option | Global Filter Low Value | Global Filter High Value | Global Filter Status |
|-----------------------------|--------------------|---------------|---------------------------|--------------------|----------------------|-------------------------|--------------------------|----------------------|
| FMCO_CO_CT                  | GLACCOUNT          | 001           | GLACCOUNT for PCARD       | I                  | EQ                   | 0040100344              |                          | Y                    |
| FMCO_CO_CT                  | GLACCOUNT          | 002           | GLACCOUNT for PCARD       | I                  | EQ                   | 2740000011              |                          | Y                    |

There are 2 HANA views, CV\_FMCO\_CO\_CT\_COOM\_SOLVAY and CV\_FMCO\_CO\_CT\_COOM\_RHODIA for determine PCARD flag:



Networks substitution by WBS

Goal Before Origin/Destination Process replace the partner Object for ONWA posting by WBS object.

Only for PF1 Solvay

For do this datasource have been used:

- 0ACTIVITY\_ATTR
- 0NETWORK\_ATTR

2 master data have been created:

- C\_NETACT compounding 0LOGSYS & C\_NETWORK
- C\_NETWORK compounding 0LOGSYS

CharacteristicC\_NETWORK

Long DescriptionNetwork (with System ID)

Short DescriptionNetwork (with System

Version

Active

Saved

Object Status

GeneralBusiness ExplorerMaster Data/TextsHierarchyAttributesCompounding

Compounding

Superior InfoObject

Version

Long Description

Reference Characteristic

Con

0LOGSYS

Source System

0LOGSYS

CharacteristicC\_NETACT

Long DescriptionNetwork Activity (with System ID)

Short DescriptionNet Act (with System

Version

Active

Saved

Object Status

GeneralBusiness ExplorerMaster Data/TextsHierarchyAttributesCompounding

Compounding

Superior InfoObject

Version

Long Description

Reference Characteristic

0LOGSYS

Source System

0LOGSYS

C\_NETWORK

Network (with System ID)

C\_NETWORK

Characteristic: C\_NETWORK

Long Description: Network (with System ID)

Short Description: Network (with System)

Version: Active Saved Object Status

General Business Explorer Master Data/Texts Hierarchy **Attributes** Compounding

☐ Delete Master Data with Recordmode

Navigation Attribute InfoProvider

Attributes: Detail/Navigation Attributes

| Attribute   | V... | Long Description             | Ty. | TL... | In... | O... | N... | A... | T... | Navigation Att. Desc |
|-------------|------|------------------------------|-----|-------|-------|------|------|------|------|----------------------|
| 0COORD_TYPE | ▲    | Order type                   | DIS |       |       | 15   |      |      |      |                      |
| 0CO_AREA    | ▲    | Controlling area             | DIS |       |       | 4    |      |      |      |                      |
| 0CREATEDON  | ▲    | Date on which the record was | DIS |       |       | 17   |      |      |      |                      |
| 0DOC_NUMBER | ▲    | Sales document               | DIS |       |       | 5    |      |      |      |                      |
| 0S_ORD_ITEM | ▲    | Sales document item          | DIS |       |       | 12   |      |      |      |                      |
| C_COMPDE    | ▲    | Company code                 | DIS |       |       | 0    |      |      |      |                      |
| C_PLANT     | ▲    | Plant                        | DIS |       |       | 0    |      |      |      |                      |
| C_WBS_EL2   | ▲    | WBS Element (with System ID) | DIS |       |       | 0    |      |      |      |                      |
| 0PLANT      | ▲    | Plant                        | DIS |       |       | 0    |      |      |      |                      |
| C_PROJ_2    | ▲    | Project Definition           | DIS |       |       | 0    |      |      |      |                      |
| 0CH_ON      | ▲    | Last changed on              | DIS |       |       | 0    |      |      |      |                      |

Characteristic: C\_NETACT

Long Description: Network Activity (with System ID)

Short Description: Net Act (with System)

Version: Active Saved Object Status

General Business Explorer Master Data/Texts Hierarchy **Attributes** Compounding

☐ Delete Master Data with Recordmode

Navigation Attribute InfoProvider

Attributes: Detail/Navigation Attributes

| Attribute  | V... | Long Description             | Ty. | TL... | In... | O... | N... | A... | T... | Navigation Att. Desc |
|------------|------|------------------------------|-----|-------|-------|------|------|------|------|----------------------|
| 0ACTTYPE   | ▲    | Activity Type                | DIS |       |       | 1    |      |      |      |                      |
| 0CO_AREA   | ▲    | Controlling area             | DIS |       |       | 5    |      |      |      |                      |
| C_PLANT    | ▲    | Plant                        | DIS |       |       | 0    |      |      |      |                      |
| C_WBS_EL2  | ▲    | WBS Element (with System ID) | DIS |       |       | 0    |      |      |      |                      |
| 0PLANT     | ▲    | Plant                        | DIS |       |       | 0    |      |      |      |                      |
| C_PROJ_2   | ▲    | Project Definition           | DIS |       |       | 0    |      |      |      |                      |
| 0CH_ON     | ▲    | Last changed on              | DIS |       |       | 0    |      |      |      |                      |
| 0CREATEDON | ▲    | Date on which the record was | DIS |       |       | 0    |      |      |      |                      |

DTP's have been created on ODP.

Transformation's are on direct mapping without transformation rules.

Activity Number in Network and Standard Network

- Data Flow Upwards
  - DTP: 0ACTIVITY\_ATTR -> C\_NETACT - Full
    - Network Activity (with System ID) (Attributes)
    - RSDS 0ACTIVITY\_ATTR SF1\_020 -> IOBJ C\_NETACT**
      - Network Activity (with System ID) (Attributes)
- Activity number in network and standard network

Network Number

- Data Flow Upwards
  - 0NETWORK\_ATTR / SF1\_020 -> C\_NETWORK
    - Network (with System ID) (Attributes)
    - RSDS 0NETWORK\_ATTR SF1\_020 -> IOBJ C\_NETWORK**
      - Network (with System ID) (Attributes)

**0ACTIVITY\_ATTR**

\_DATAFLOW\_UPWARDS

DTP\_B1FNYSNDTRTOPHO3PCSGAYRLB

ATTRIBUTES C\_NETACT

06F08U0YJUHTRQE9EBDKLEE4GVT6924N

ATTRIBUTES C\_NETACT

0ACTIVITY\_TEXT

**0NETWORK\_ATTR**

\_DATAFLOW\_UPWARDS

DTP\_B1FNYSNDTRTOPHO56LQDFVSHN

ATTRIBUTES C\_NETWORK

01SGPEFIDJDUOPUMXK9106GGA03F1F0L

ATTRIBUTES C\_NETWORK

Loading has been made in process chain PC\_CT\_MD\_01 (daily loading)

Impacted HANA views:

- CV\_FMCO\_CO\_CT\_DEST\_R0\_CCA\_SOLVAY
- CV\_FMCO\_CO\_CT\_DEST\_CCA\_TO\_WBS\_SOLVAY

Calculated columns for J NET TO WBS node of view:

## View Calculated Column

Calculated columns are used to derive some meaningful information in the form of columns, from existing columns.

|                                                                                                                             |          |                         |        |
|-----------------------------------------------------------------------------------------------------------------------------|----------|-------------------------|--------|
| Name:*                                                                                                                      | PIOVALUE |                         |        |
| Data Type:                                                                                                                  | NVARCHAR | Length: 28              | Scale: |
| Expression                                                                                                                  |          |                         |        |
| <b>Expression Editor</b>                                                                                                    |          |                         |        |
| ✓ Validate Syntax                                                                                                           |          | Language: Column Engine |        |
| <pre>IF(("CC_C_WBS_EL2_MD" != '' and "PIOBSV_OLD" = '0NWA' and "DB_CR_IND" = 'H'), "CC_C_WBS_EL2_MD", "PIOVALUE_OLD")</pre> |          |                         |        |

## View Calculated Column

Calculated columns are used to derive some meaningful information in the form of columns, from existing columns.

|                                                                                                                |          |                         |        |
|----------------------------------------------------------------------------------------------------------------|----------|-------------------------|--------|
| Name:*                                                                                                         | PIOBSV   |                         |        |
| Data Type:                                                                                                     | NVARCHAR | Length: 4               | Scale: |
| Expression                                                                                                     |          |                         |        |
| <b>Expression Editor</b>                                                                                       |          |                         |        |
| ✓ Validate Syntax                                                                                              |          | Language: Column Engine |        |
| <pre>IF(("CC_C_WBS_EL2_MD" != '' and "PIOBSV_OLD" = '0NWA' and "DB_CR_IND" = 'H'), '0POS', "PIOBSV_OLD")</pre> |          |                         |        |

## View Calculated Column

Calculated columns are used to derive some meaningful information in the form of columns, from existing columns.

|                                                                                                                                |             |                         |        |
|--------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------------|--------|
| Name:*                                                                                                                         | CC_PART_WBS |                         |        |
| Data Type:                                                                                                                     | NVARCHAR    | Length: 24              | Scale: |
| Expression                                                                                                                     |             |                         |        |
| <b>Expression Editor</b>                                                                                                       |             |                         |        |
| ✓ Validate Syntax                                                                                                              |             | Language: Column Engine |        |
| <pre>IF(("CC_C_WBS_EL2_MD" != '' and "PIOBSV_OLD" = '0NWA' and "DB_CR_IND" = 'H'), "CC_C_WBS_EL2_MD", "CC_PART_WBS_OLD")</pre> |             |                         |        |

get only PIOBSV = 0NWA of source table if match with LOGSYS and PIOVALUE(network value) get WBS from C\_NETACT and put 0POS for PIOBSV  
Result after join with C\_NETACT:

| RB   | PIOBSV_OLD | RB      | CC_PART_WBS_OLD | RB               | CC_C_WBS_EL2_MD | RB              | PIOVALUE | RB   | PIOBSV | RB               | CC_PART_WBS |
|------|------------|---------|-----------------|------------------|-----------------|-----------------|----------|------|--------|------------------|-------------|
| ONWA |            | 6018250 | 0010            | NHA.PX400.ISAO   |                 | NHA.PX400.IS... |          | OPOS |        | NHA.PX400.ISAO   |             |
| ONWA |            | 6018250 | 0010            | NHA.PX400.ISAO   |                 | NHA.PX400.IS... |          | OPOS |        | NHA.PX400.ISAO   |             |
| ONWA |            | 6018620 | 0010            | NHA.PX422.ISAL-R |                 | NHA.PX422.IS... |          | OPOS |        | NHA.PX422.ISAL-R |             |
| ONWA |            | 6018620 | 0010            | NHA.PX422.ISAL-R |                 | NHA.PX422.IS... |          | OPOS |        | NHA.PX422.ISAL-R |             |
| ONWA |            | 6018620 | 0010            | NHA.PX422.ISAL-R |                 | NHA.PX422.IS... |          | OPOS |        | NHA.PX422.ISAL-R |             |
| ONWA |            | 6018620 | 0010            | NHA.PX422.ISAL-R |                 | NHA.PX422.IS... |          | OPOS |        | NHA.PX422.ISAL-R |             |
| ONWA |            | 6018620 | 0010            | NHA.PX422.ISAL-R |                 | NHA.PX422.IS... |          | OPOS |        | NHA.PX422.ISAL-R |             |
| ONWA |            | 6018620 | 0010            | NHA.PX422.ISAL-R |                 | NHA.PX422.IS... |          | OPOS |        | NHA.PX422.ISAL-R |             |
| ONWA |            | 6018620 | 0010            | NHA.PX422.ISAL-R |                 | NHA.PX422.IS... |          | OPOS |        | NHA.PX422.ISAL-R |             |
| ONWA |            | 6018620 | 0010            | NHA.PX422.ISAL-R |                 | NHA.PX422.IS... |          | OPOS |        | NHA.PX422.ISAL-R |             |
| ONWA |            | 6018620 | 0010            | NHA.PX422.ISAL-R |                 | NHA.PX422.IS... |          | OPOS |        | NHA.PX422.ISAL-R |             |
| ONWA |            | 6018620 | 0010            | NHA.PX422.ISAL-R |                 | NHA.PX422.IS... |          | OPOS |        | NHA.PX422.ISAL-R |             |
| ONWA |            | 6018620 | 0010            | NHA.PX422.ISAL-R |                 | NHA.PX422.IS... |          | OPOS |        | NHA.PX422.ISAL-R |             |
| ONWA |            | 6018620 | 0010            | NHA.PX422.ISAL-R |                 | NHA.PX422.IS... |          | OPOS |        | NHA.PX422.ISAL-R |             |
| ONWA |            | 6018901 | 0010            | NHA.PX615.ISAO   |                 | NHA.PX615.IS... |          | OPOS |        | NHA.PX615.ISAO   |             |

Result before join with C\_NETACT:

| RB   | PIOBSV_Ori | RB      | PIOVALUE_ori | RB      | LOGSYS | 12      | AMOUNT     | RB | COSTELMNT | RB | PART_CCTR | RB      | PIOVALUE | RB   | PIOBSV | RB      | CC_PART_WBS |
|------|------------|---------|--------------|---------|--------|---------|------------|----|-----------|----|-----------|---------|----------|------|--------|---------|-------------|
| ONWA |            | 6018620 | 0010         | SF1_020 |        | -556    | 9161000022 |    |           |    |           | 6018620 | 0010     | ONWA |        | 6018620 | 0010        |
| ONWA |            | 6018620 | 0010         | SF1_020 |        | -556    | 9161000022 |    |           |    |           | 6018620 | 0010     | ONWA |        | 6018620 | 0010        |
| ONWA |            | 6018620 | 0010         | SF1_020 |        | -556    | 9161000022 |    |           |    |           | 6018620 | 0010     | ONWA |        | 6018620 | 0010        |
| ONWA |            | 6018620 | 0010         | SF1_020 |        | -556    | 9161000022 |    |           |    |           | 6018620 | 0010     | ONWA |        | 6018620 | 0010        |
| ONWA |            | 6018620 | 0010         | SF1_020 |        | -556    | 9161000022 |    |           |    |           | 6018620 | 0010     | ONWA |        | 6018620 | 0010        |
| ONWA |            | 6018620 | 0010         | SF1_020 |        | -556    | 9161000022 |    |           |    |           | 6018620 | 0010     | ONWA |        | 6018620 | 0010        |
| ONWA |            | 6018620 | 0010         | SF1_020 |        | -556    | 9161000022 |    |           |    |           | 6018620 | 0010     | ONWA |        | 6018620 | 0010        |
| ONWA |            | 6018620 | 0010         | SF1_020 |        | -556    | 9161000022 |    |           |    |           | 6018620 | 0010     | ONWA |        | 6018620 | 0010        |
| ONWA |            | 6018620 | 0010         | SF1_020 |        | -556    | 9161000022 |    |           |    |           | 6018620 | 0010     | ONWA |        | 6018620 | 0010        |
| ONWA |            | 6018620 | 0010         | SF1_020 |        | -556    | 9161000022 |    |           |    |           | 6018620 | 0010     | ONWA |        | 6018620 | 0010        |
| ONWA |            | 6018620 | 0010         | SF1_020 |        | -397,04 | 9161000022 |    |           |    |           | 6018620 | 0010     | ONWA |        | 6018620 | 0010        |
| ONWA |            | 6018620 | 0010         | SF1_020 |        | -397,04 | 9161000022 |    |           |    |           | 6018620 | 0010     | ONWA |        | 6018620 | 0010        |
| ONWA |            | 6018620 | 0010         | SF1_020 |        | -397,04 | 9161000022 |    |           |    |           | 6018620 | 0010     | ONWA |        | 6018620 | 0010        |
| ONWA |            | 6018620 | 0010         | SF1_020 |        | -397,04 | 9161000022 |    |           |    |           | 6018620 | 0010     | ONWA |        | 6018620 | 0010        |

### Default Responsible Cost Center

Goal is to determine Responsible Cost Center with complex condition for CO-PA and FI flow.

This complex condition has been translated into technico-functional algorithm:

| ALGO | Mécanisme de priorité                                   |         |      |         |       |       |           |       |           |
|------|---------------------------------------------------------|---------|------|---------|-------|-------|-----------|-------|-----------|
|      |                                                         |         |      |         |       |       |           |       |           |
| 0    | GBU/Cost Package/Controlling Aera/Company/BFC activity1 | PLANT   | VIDE | DANS    | LA    | TABLE | EXCEPTION |       |           |
| 1    | GBU/Cost Package/Controlling Aera/Company               | PLANT   | VIDE | DANS    | LA    | TABLE | EXCEPTION |       |           |
| 2    | GBU/Cost Macro Package/Controlling Aera/Plant           | COMPANY | VIDE | DANS    | LA    | TABLE | EXCEPTION |       |           |
| 3    | GBU/Controlling Aera/Plant                              | COMPANY | /ALL | PACKAGE | VIDES | DANS  | LA        | TABLE | EXCEPTION |
| 4    | GBU/Macro Cost Package/Controlling Aera/Company         | PLANT   | VIDE | DANS    | LA    | TABLE | EXCEPTION |       |           |
| 5    | GBU/Controlling Aera/Company                            | PLANT   | /ALL | PACKAGE | VIDES | DANS  | LA        | TABLE | EXCEPTION |
| 6    | "GBU&NC_RCC"                                            |         |      |         |       |       |           |       |           |
|      |                                                         |         |      |         |       |       |           |       |           |

Datasource with AL11 file link:

DataSource: **DTS\_COSTA\_RCC\_FF** COSTA RespCostCtr De

Source System: **PC\_FILE** PC Files

Version: **Active** Compare with...

Active Version: Executable Edited Version

General Info. **Extraction** Proposal Fields Preview

Delta Process: Delta Only Via Full Upload (DSO or InfoPackage Selection)

Direct Access: Not Allowed; Data Replication Without PSA Allowed

Realtime: Real-Time Data Acquisition Is Not Supported

Adapter: Load Text-Type File from Application Server Properties

File Name: **/exploit/BW/COSTA/rcc.csv**

Header Rows to be Ignored: **1**

Character Set Settings: Default Setting

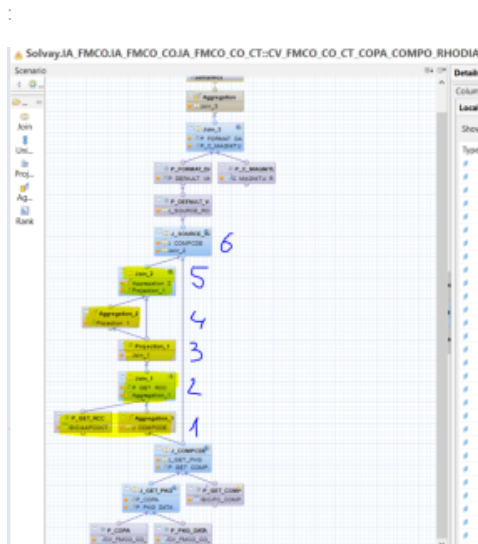
System Codepage: 4102 UTF-16BE Unicode / ISO/IEC 10646

File has been created and downloaded with program **ZBW\_COSTA\_RCC** (template [https://drive.google.com/file/d/1IGDkT4e7LFBnwnFci\\_27u3maKelt4o0r/view](https://drive.google.com/file/d/1IGDkT4e7LFBnwnFci_27u3maKelt4o0r/view)) and AL11 file data it's loaded in aDSO **APCOCT15** with process chain **PC\_CT\_RCC\_01**.

Impacted HANA Views:

- CV\_FMCO\_CO\_CT\_COPA\_COMPO\_RHODIA
- CV\_FMCO\_CO\_CT\_COPA\_COMPO\_SOLVAY
- CV\_FMCO\_CO\_CT\_FI\_COMPO\_RHODIA
- CV\_FMCO\_CO\_CT\_FI\_COMPO\_SOLVAY

Example with HANA View **CV\_FMCO\_CO\_CT\_COPA\_COMPO\_RHODIA** (same development for others HANA Views)



For determine "Responsible Cost Center" there are 6 steps:

**Step 1:**

- Get aDSO(APCOCT15) with uploaded data with program **ZBW\_COSTA\_RCC**
- Aggregation node with source data only with fields of aDSO:

| Columns           |
|-------------------|
| CPFCTR1_2: J_COMI |
| _BIC_C_COMPCDE: J |
| CO_AREA: J_COMPC  |
| C_CTPKG: J_COMPC  |
| C_CTMCPKG: J_COM  |
| _BIC_C_PLANT: J_C |
| _BIC_C_MAGNITU: J |

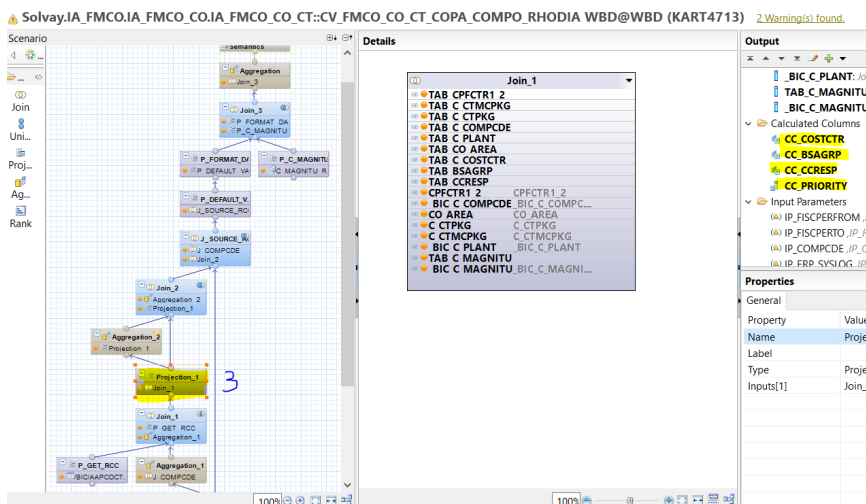
#### Step 2:

- inner join with 2 nodes on CO\_AREA and CPFCTR1\_2 (GBU) because GBU and CO\_AREA are always in condition.

|   |                                                         |
|---|---------------------------------------------------------|
| 0 | GBU/Cost Package/Controlling Aera/Company/BFC activity1 |
| 1 | GBU/Cost Package/Controlling Aera/Company               |
| 2 | GBU/Cost Macro Package/Controlling Aera/Plant           |
| 3 | GBU/Controlling Aera/Plant                              |
| 4 | GBU/Macro Cost Package/Controlling Aera/Company         |
| 5 | GBU/Controlling Aera/Company                            |
| 6 | *GBU&NC_RCC*                                            |

#### Step 3:

- Responsible Cost Center determination with complex condition with priority indicator creation 1 to 7



Name: CC\_PRIORITY

Data Type: INTEGER Length: Scale:

Expression

Expression Editor

Validate Syntax

```

IF("TAB_C_PLANT"="" and "TAB_CPFCTR1_2"="CPFCTR1_2" and "TAB_C_CTPKG"="C_CTPKG" and "TAB_CO_AREA"="CO_AREA" and "_BIC_C_COMPCDE"="TAB_C_COMPCDE" and "TAB_C_MAGNITU"="" , "BIC_C_MAGNITU",1,
IF("TAB_C_PLANT"="" and "TAB_C_MAGNITU"="" and "TAB_CPFCTR1_2"="CPFCTR1_2" and "TAB_C_CTPKG"="C_CTPKG" and "TAB_CO_AREA"="CO_AREA" and "_BIC_C_COMPCDE"="TAB_C_COMPCDE",2,
IF("TAB_C_COMPCDE"="" and "TAB_C_MAGNITU"="" and "TAB_CPFCTR1_2"="CPFCTR1_2" and "TAB_C_CTMCPKG"="C_CTMCPKG" and "CO_AREA"="TAB_CO_AREA" and "TAB_C_PLANT"="" , "BIC_C_PLANT",3,
IF("TAB_C_COMPCDE"="" and "TAB_C_CTPKG"="" and "TAB_C_CTMCPKG"="" and "TAB_C_MAGNITU"="" and "TAB_CPFCTR1_2"="CPFCTR1_2" and "TAB_CO_AREA"="CO_AREA" and "TAB_C_PLANT"="" , "BIC_C_PLANT",4,
IF("TAB_C_PLANT"="" and "TAB_C_MAGNITU"="" and "TAB_CPFCTR1_2"="CPFCTR1_2" and "TAB_C_CTMCPKG"="C_CTMCPKG" and "TAB_CO_AREA"="CO_AREA" and "_BIC_C_COMPCDE"="TAB_C_COMPCDE",5,
IF("TAB_C_CTPKG"="" and "TAB_C_PLANT"="" and "TAB_C_CTMCPKG"="" and "TAB_C_MAGNITU"="" and "TAB_CPFCTR1_2"="CPFCTR1_2" and "TAB_CO_AREA"="CO_AREA" and "_BIC_C_COMPCDE"="TAB_C_COMPCDE",6,
7))))))

```

#### Step 4:

- Aggregation node for get min of PRIORITY field (if i have 1 and 4 indicator for same keys i prioritize indicator 1 not 4)
- without cost center and attributs fields

Before aggregation:

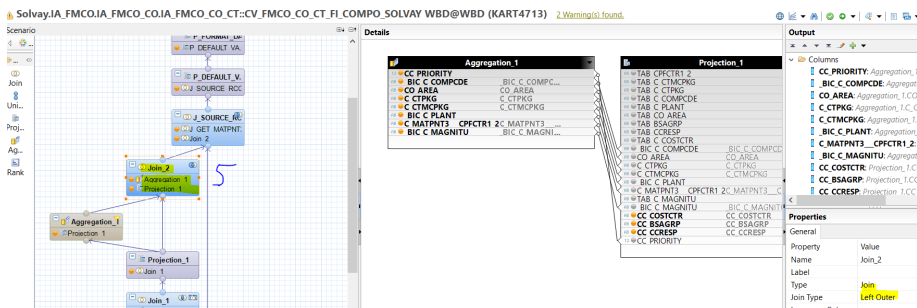
| _BIC_C_COMPC... | CO_AREA | C_CTPKG | C_CTMCPKG | _BIC_C_PLANT | C_MATPNT3__CPCTR1_2 | _BIC_C_MAGNITU | CC_COSTCTR | CC_BSAGRP | CC_CCRES  | CC_PRIORITY | CC_COSTCTR |
|-----------------|---------|---------|-----------|--------------|---------------------|----------------|------------|-----------|-----------|-------------|------------|
| 5782            | CHEF    |         |           | MJS          | SP                  | 0010           | 4G10400000 |           | 50026590  | 2           | # NC_RCC   |
| 5835            | CHEF    |         |           | RCF          | SP                  | 0046           | 871260003X |           | FORTUNATO | 5           |            |
| 5782            | CHEF    | P10027  | P00005    | MJS          | SP                  | 0010           | 4G10400000 |           | 50026590  | 6           |            |
| 5835            | CHEF    | P10031  | P00005    | SMF          | SP                  | 0049           | 871260003X |           | FORTUNATO | 2           |            |
| 4060            | CHEF    | P10050  | P00008    | BWF          | CH                  | CH33           | 2Y11300000 |           | 50033074  | 5           |            |
| 5835            | CHEF    | P10050  | P00008    | SMF          | SP                  | 0049           | 1N18100004 |           | Z.HADDAD  | 3           |            |
| 5835            | CHEF    | P10050  | P00008    | SMF          | SP                  | 0049           | 8711604793 |           | 50032720  | 1           |            |
| 5835            | CHEF    | P10050  | P00008    | 6006         | SP                  | 0049           | 8711604793 |           | 50032720  | 1           |            |
| 5835            | CHEF    | P10050  | P00008    | 6006         | SP                  | 0049           | 1N18100009 |           | Z.HADDAD  | 4           |            |
| 4060            | CHEF    | P10051  | P00008    | BWF          | CH                  | CH33           | 2Y11300000 |           | 50033074  | 5           |            |
| 5835            | CHEF    | P10051  | P00008    | SMF          | SP                  | 0049           | 1N18100004 |           | Z.HADDAD  | 3           |            |
| 4060            | CHEF    | P10053  | P00008    | BWF          | CH                  | CH33           | 2Y11300000 |           | 50033074  | 5           |            |
| 5835            | CHEF    | P10053  | P00008    | SMF          | SP                  | 0049           | 1N18100004 |           | Z.HADDAD  | 3           |            |
| 5835            | CHEF    | P10054  | P00008    | SMF          | SP                  | 0049           | 1N18100004 |           | Z.HADDAD  | 3           |            |
| 5835            | CHEF    | P10054  | P00008    | 6006         | SP                  | 0049           | 1N18100009 |           | Z.HADDAD  | 4           |            |
| 4060            | CHEF    | P10055  | P00008    | BWF          | CH                  | CH33           | 2Y11300000 |           | 50033074  | 5           |            |
| 5835            | CHEF    | P10055  | P00008    | 6006         | SP                  | 0049           | 1N18100009 |           | Z.HADDAD  | 4           |            |
| 5782            | CHEF    | P19999  | P09999    | 53ND         | SP                  | 0010           | 4G10400000 |           | 50026590  | 6           |            |
| 5782            | CHEF    | P19999  | P09999    | MJS          | SP                  | 0010           | 4G10400000 |           | 50026590  | 6           |            |
| 5782            | CHEF    | P19999  | P09999    | THF          | SP                  | 0049           | 4G10400000 |           | 50026590  | 6           |            |
| 5782            | CHEF    | P19999  | P09999    | 53KD         | SP                  | 0010           | 4G10400000 |           | 50026590  | 6           |            |
| 5782            | CHEF    | P19999  | P09999    | 5D30         | SP                  | 0010           | 4G10400000 |           | 50026590  | 6           |            |
| 5782            | CHEF    | P19999  | P09999    | AQS          | SP                  | 0010           | 4G10400000 |           | 50026590  | 6           |            |
| 5835            | CHEF    | P19999  | P09999    | 6006         | SP                  | 0049           | 1N18100009 |           | Z.HADDAD  | 4           |            |

After aggregation:

| Analysis Distinct values Raw Data                |         |         |           |              |                     |                |             |  |  |  |
|--------------------------------------------------|---------|---------|-----------|--------------|---------------------|----------------|-------------|--|--|--|
| Filter pattern 22 rows retrieved - 1 sec, 935 ms |         |         |           |              |                     |                |             |  |  |  |
| _BIC_C_COMPCDE                                   | CO_AREA | C_CTPKG | C_CTMCPKG | _BIC_C_PLANT | C_MATPNT3__CPCTR1_2 | _BIC_C_MAGNITU | CC_PRIORITY |  |  |  |
| 5782                                             | CHEF    |         |           | MJS          | SP                  | 0010           | 2           |  |  |  |
| 5835                                             | CHEF    |         |           | RCF          | SP                  | 0046           | 5           |  |  |  |
| 5782                                             | CHEF    | P10027  | P00005    | MJS          | SP                  | 0010           | 6           |  |  |  |
| 5835                                             | CHEF    | P10031  | P00005    | SMF          | SP                  | 0049           | 2           |  |  |  |
| 5835                                             | CHEF    | P10050  | P00008    | SMF          | SP                  | 0049           | 1           |  |  |  |
| 5835                                             | CHEF    | P10050  | P00008    | 6006         | SP                  | 0049           | 1           |  |  |  |
| 4060                                             | CHEF    | P10050  | P00008    | BWF          | CH                  | CH33           | 5           |  |  |  |
| 5835                                             | CHEF    | P10051  | P00008    | SMF          | SP                  | 0049           | 3           |  |  |  |
| 4060                                             | CHEF    | P10051  | P00008    | BWF          | CH                  | CH33           | 5           |  |  |  |
| 4060                                             | CHEF    | P10053  | P00008    | BWF          | CH                  | CH33           | 5           |  |  |  |
| 5835                                             | CHEF    | P10053  | P00008    | SMF          | SP                  | 0049           | 3           |  |  |  |
| 5835                                             | CHEF    | P10054  | P00008    | 6006         | SP                  | 0049           | 4           |  |  |  |
| 5835                                             | CHEF    | P10054  | P00008    | SMF          | SP                  | 0049           | 3           |  |  |  |
| 4060                                             | CHEF    | P10055  | P00008    | BWF          | CH                  | CH33           | 5           |  |  |  |
| 5835                                             | CHEF    | P10055  | P00008    | 6006         | SP                  | 0049           | 4           |  |  |  |
| 5782                                             | CHEF    | P19999  | P09999    | AQS          | SP                  | 0010           | 6           |  |  |  |
| 5835                                             | CHEF    | P19999  | P09999    | 6006         | SP                  | 0049           | 4           |  |  |  |
| 5782                                             | CHEF    | P19999  | P09999    | 53KD         | SP                  | 0010           | 6           |  |  |  |
| 5782                                             | CHEF    | P19999  | P09999    | 53ND         | SP                  | 0010           | 6           |  |  |  |
| 5782                                             | CHEF    | P19999  | P09999    | 5D30         | SP                  | 0010           | 6           |  |  |  |
| 5782                                             | CHEF    | P19999  | P09999    | THF          | SP                  | 0049           | 6           |  |  |  |
| 5782                                             | CHEF    | P19999  | P09999    | MJS          | SP                  | 0010           | 6           |  |  |  |

## Step 5:

- Get coster and attributs filed with left join



## Step 6:

- left join with source data and step 5 node and get all others source data

Granularity it's the same between source node and semantics nodes

Result:



- C\_COCBILL : with type ZZ\_CO\_ACC\_ASGN\_TYPE = 'KS' and put ZZ\_CO\_ACC\_ASGN
- C\_ORDBILL : with type ZZ\_CO\_ACC\_ASGN\_TYPE = 'OR' and put ZZ\_CO\_ACC\_ASGN

Transformation: RSDS ZZ\_PRPS\_USER\_FIELDS DF1\_020 -> TRCS IFS\_AP... Runtime Status: Only ABAP runtime is supported

Source: PRPS New User Fields (ZZ\_PRPS\_USER\_FIELDS)  
Target: Infosource APCOCT19 In (IFS\_APCOCT19\_INBOUND)  
Version: Active  
Active Version: Executable

Rule Group: Standard Group

| Pos | Key | InfoObject   | Icon | Descrpt.                                | Data t | Lngh |
|-----|-----|--------------|------|-----------------------------------------|--------|------|
| 1   |     | C_WBS_EL2    |      | WBS Element (with System ID)            | CHAR   | 000  |
| 2   |     | OLOGSYS      |      | Source System                           | CHAR   | 000  |
| 3   |     | OORECORDMODE |      | BW Delta Process: Update Mode           | CHAR   | 000  |
| 4   |     | OCO_AREA     |      | Controlling area                        | CHAR   | 000  |
| 5   |     | C_WBSBILL    |      | WBS Element Billing                     | CHAR   | 000  |
| 6   |     | C_COCBILL    |      | Cost Center Billing                     | CHAR   | 000  |
| 7   |     | C_ORDBILL    |      | Order Billing                           | CHAR   | 000  |
| 8   |     | C_RCCBILL    |      | Partner Responsible Cost Center Billing | CHAR   | 000  |
| 9   |     | C_GBUBILL    |      | GBU Billing                             | CHAR   | 000  |
| 10  |     | C_COABILL    |      | Controlling Area Billing                | CHAR   | 000  |
| 11  |     | OCH_ON       |      | Last changed on                         | DATS   | 000  |
| 12  |     | C_SYPARCO    |      | Syslog Partner CO                       | CHAR   | 000  |
| 13  |     | OCREATEDON   |      | Date on which the record was created    | DATS   | 000  |
| 14  |     | OPLANT       |      | Plant                                   | CHAR   | 000  |
| 15  |     | C_ACCOTYP    |      | CO Account Partner Object type          | CHAR   | 000  |
| 16  |     | C_ACCCO      |      | CO Account Partner Object               | CHAR   | 000  |

Infosource:

InfoSource Display: Overview

InfoSource: IFS\_APCOCT19\_INBOUND Infosource APCOCT19 In

| Key | InfoObject   | Field           | Short Description    | Unit | Type | Lngh | De | Conv... | Item | Se... |
|-----|--------------|-----------------|----------------------|------|------|------|----|---------|------|-------|
| 1   | C_WBS_EL2    | /BIC/C_WBS...   | WBS Element Syst ID  |      | CHAR | 24   |    | WBS...  | 1    | 1     |
| 2   | OLOGSYS      | LOGSYS          | Source System        |      | CHAR | 10   |    | ALPHA   | 2    | 1     |
| 3   | OORECORDMODE | RECORDMODE      | Update Mode          |      | CHAR | 1    |    |         | 3    | 1     |
| 4   | OCO_AREA     | CO_AREA         | Controlling Area     |      | CHAR | 4    |    |         | 4    | 1     |
| 5   | C_WBSBILL    | /BIC/C_WBSBI... | WBS Element Billing  |      | CHAR | 24   |    | WBS...  | 5    | 1     |
| 6   | C_COCBILL    | /BIC/C_COCBI... | Cost Center Billing  |      | CHAR | 10   |    | ALPHA   | 6    | 1     |
| 7   | C_ORDBILL    | /BIC/C_ORDBI... | Order Billing        |      | CHAR | 12   |    |         | 7    | 1     |
| 8   | C_RCCBILL    | /BIC/C_RCCBI... | Partner Responsible  |      | CHAR | 20   |    |         | 8    | 1     |
| 9   | C_GBUBILL    | /BIC/C_GBUBI... | GBU Billing          |      | CHAR | 2    |    | ALPHA   | 9    | 1     |
| 10  | C_COABILL    | /BIC/C_COABI... | Controlling Area Bil |      | CHAR | 4    |    |         | 10   | 1     |
| 11  | OCH_ON       | CH_ON           | Changed on           |      | DATS | 10   |    |         | 11   | 1     |
| 12  | C_SYPARCO    | /BIC/C_SYPAR... | Syslog Partner CO    |      | CHAR | 10   |    | ALPHA   | 12   | 1     |
| 13  | OCREATEDON   | CREATEDON       | Created on           |      | DATS | 10   |    |         | 13   | 1     |
| 14  | OPLANT       | PLANT           | Plant                |      | CHAR | 4    |    |         | 14   | 1     |
| 15  | C_ACCOTYP    | /BIC/C_ACCO...  | CO Account Partner O |      | CHAR | 2    |    | ALPHA   | 15   | 1     |
| 16  | C_ACCCO      | /BIC/C_ACCCO    | CO Account Partner O |      | CHAR | 24   |    | ALPHA   | 16   | 1     |

in infosource transformation a process have been made for populate fields C\_RCCBILL, C\_GBUBILL, C\_COABILL for WP1 and PF1 together.

Start Routine

Transformation: TRCS IFS\_APCOCT19\_INBOUND -> ADSO APCOCT19 Runtime Status: Only ABAP runtime is supported

Source: Infosource APCOCT19 In (IFS\_APCOCT19\_INBOUND)  
Target: Costa - GBU Billing (APCOCT19)  
Version: Active  
Active Version: Executable

Rule Group: Standard Group

| Pos | Key | InfoObject   | Icon | Descrpt.                                | Data t | Lngh   |
|-----|-----|--------------|------|-----------------------------------------|--------|--------|
| 1   |     | C_WBS_EL2    |      | WBS Element (with System ID)            | CHAR   | 000024 |
| 2   |     | OLOGSYS      |      | Source System                           | CHAR   | 000010 |
| 3   |     | OORECORDMODE |      | BW Delta Process: Update Mode           | CHAR   | 000001 |
| 4   |     | OCO_AREA     |      | Controlling area                        | CHAR   | 000004 |
| 5   |     | C_WBSBILL    |      | WBS Element Billing                     | CHAR   | 000024 |
| 6   |     | C_COCBILL    |      | Cost Center Billing                     | CHAR   | 000010 |
| 7   |     | C_ORDBILL    |      | Order Billing                           | CHAR   | 000012 |
| 8   |     | C_RCCBILL    |      | Partner Responsible Cost Center Billing | CHAR   | 000020 |
| 9   |     | C_GBUBILL    |      | GBU Billing                             | CHAR   | 000002 |
| 10  |     | C_COABILL    |      | Controlling Area Billing                | CHAR   | 000004 |
| 11  |     | OCH_ON       |      | Last changed on                         | DATS   | 000008 |
| 12  |     | C_SYPARCO    |      | Syslog Partner CO                       | CHAR   | 000010 |
| 13  |     | OCREATEDON   |      | Date on which the record was created    | DATS   | 000008 |
| 14  |     | OPLANT       |      | Plant                                   | CHAR   | 000004 |
| 15  |     | C_ACCOTYP    |      | CO Account Partner Object type          | CHAR   | 000002 |
| 16  |     | C_ACCCO      |      | CO Account Partner Object               | CHAR   | 000024 |

Costa - GBU Billing (APCOCT19) Rule Group: Standard Group

| Rule | Rule Name  | Pos | Key | InfoObject | Icon | Descrpt.                                |
|------|------------|-----|-----|------------|------|-----------------------------------------|
| 1    | C_WBS_EL2  | 1   |     | C_WBS_EL2  |      | WBS Element (with System ID)            |
| 2    | OLOGSYS    | 2   |     | OLOGSYS    |      | Source System                           |
| 4    | OCO_AREA   | 4   |     | OCO_AREA   |      | Controlling area                        |
| 5    | C_WBSBILL  | 5   |     | C_WBSBILL  |      | WBS Element Billing                     |
| 6    | C_COCBILL  | 6   |     | C_COCBILL  |      | Cost Center Billing                     |
| 7    | C_ORDBILL  | 7   |     | C_ORDBILL  |      | Order Billing                           |
| 8    | C_RCCBILL  | 8   |     | C_RCCBILL  |      | Partner Responsible Cost Center Billing |
| 9    | C_GBUBILL  | 9   |     | C_GBUBILL  |      | GBU Billing                             |
| 10   | C_COABILL  | 10  |     | C_COABILL  |      | Controlling Area Billing                |
| 11   | OCH_ON     | 11  |     | OCH_ON     |      | Last changed on                         |
| 12   | C_SYPARCO  | 12  |     | C_SYPARCO  |      | Syslog Partner CO                       |
| 13   | OCREATEDON | 13  |     | OCREATEDON |      | Date on which the record was created    |
| 14   | OPLANT     | 14  |     | OPLANT     |      | Plant                                   |
| 15   | C_ACCOTYP  | 15  |     | C_ACCOTYP  |      | CO Account Partner Object type          |
| 16   | C_ACCCO    | 16  |     | C_ACCCO    |      | CO Account Partner Object               |

3 select has been made in start routine:

- /bic/mc\_costctr
- /bic/mc\_coorder
- /bic/Pc\_wbs\_el2

Read table has been made in C\_WBS\_EL2 target field and used in appropriate fields.

Loading has been made in daily PC\_CT\_MD\_01 proces chain.

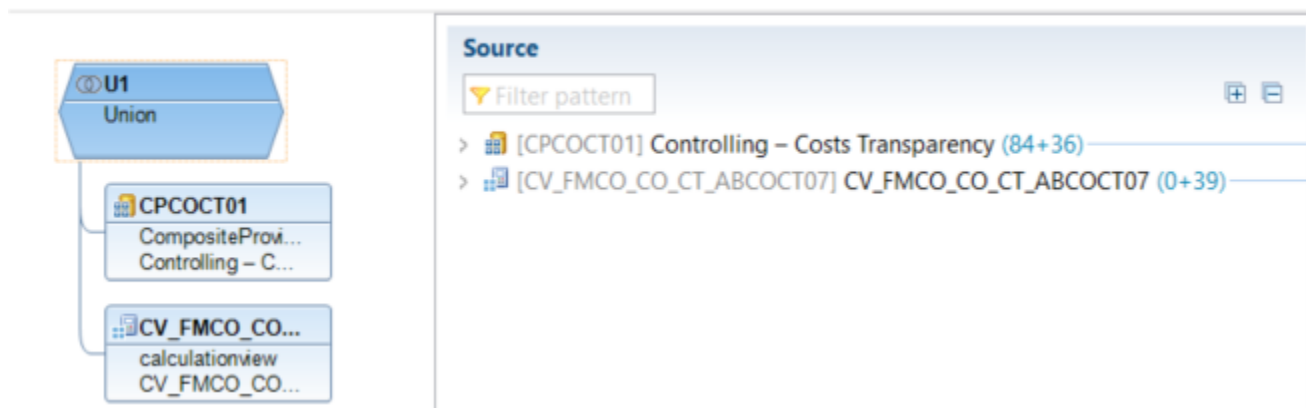
Table Content /BIC/AAPCOCT192: 19 of 19

| /BIC/C_WBS_EL2           | LOGSYS  | RECORDMODE | CO_AREA | /BIC/C_WBSBILL | /BIC/C_COCCBILL | /BIC/C_ORDBILL | /BIC/C_RCCBILL | /BIC/C_GBUBILL | /BIC/C_COABILL | CH_ON      | /BIC/C_SYPARCO | CREATEDON  | PLANT | /BIC/C_ACCOTYP | /BIC/C_ACCCO |
|--------------------------|---------|------------|---------|----------------|-----------------|----------------|----------------|----------------|----------------|------------|----------------|------------|-------|----------------|--------------|
| E04274N8TO               | WD1_110 | N          |         |                |                 |                |                |                |                | 27.08.2020 | DF1_020        | 13.08.2020 | 7822  |                |              |
| E08090N8TO1              | WD1_110 | N          |         |                |                 |                |                |                |                | 15.10.2020 | WD1_110        | 12.08.2020 | 7851  |                |              |
| E38652GAZ.CARGILLA       | WD1_110 | N          |         |                | 7418-9991       |                |                |                |                | 16.06.2021 | DF1_020        | 27.08.2020 | 7584  | KS             | 7418-9991    |
| I00192CBB111             | WD1_110 | N          |         |                | 7728-5991       |                |                |                |                | 20.05.2021 | DF1_020        | 20.05.2021 | 8918  | KS             | 7728-5991    |
| I04274CBEX74249-01       | WD1_110 | N          |         |                | 0249-5715       |                |                |                |                | 02.11.2020 | DF1_020        | 02.11.2020 | 7925  | KS             | 0249-5715    |
| I07723CBBW/TMX01         | WD1_110 | N          |         |                |                 |                |                |                |                | 12.04.2021 | DF1_020        | 12.04.2021 | 8356  |                |              |
| I08090CBB02FR3 SERVICES  | WD1_110 | N          |         |                |                 |                |                |                |                | 03.06.2020 | DF1_020        | 21.05.2020 | 7851  | KS             |              |
| I08090CBB2FR3D_SERV01    | WD1_110 | N          |         |                | 7682-1050       |                |                |                |                | 31.07.2020 | DF1_020        | 16.06.2020 | 7851  | KS             | 7682-1050    |
| I08090CBB2FR3D_SERV02    | WD1_110 | N          |         |                | 4514110000      |                |                |                |                | 17.06.2020 | WD1_110        | 16.06.2020 | 7851  | KS             | 4514110000   |
| I08090CBB2FR3E_SERV01    | WD1_110 | N          |         |                | 7682-1050       |                |                |                |                | 31.07.2020 | DF1_020        | 17.06.2020 | 7851  | KS             | 7682-1050    |
| I08090CBB2FR3E_SERV02    | WD1_110 | N          |         |                | 7682-1050       |                |                |                |                | 31.07.2020 | DF1_020        | 17.06.2020 | 7851  | KS             | 7682-1050    |
| I08090CBB2FR3E_SERV03    | WD1_110 | N          |         |                | 7682-1050       |                |                |                |                | 31.07.2020 | DF1_020        | 31.07.2020 | 7851  | KS             | 7682-1050    |
| I38652GYUT00001-GAZ01    | WD1_110 | N          |         |                | SM162IFR00      |                |                |                |                | 12.10.2020 | WD1_110        | 07.08.2020 | 7584  | KS             | SM162IFR00   |
| I38652GYUT00001-LG101    | WD1_110 | N          |         |                | SM162IFR00      |                |                |                |                |            | WD1_110        | 14.10.2020 | 7584  | KS             | SM162IFR00   |
| I38652GYUT04274-GAZ00001 | WD1_110 | N          |         |                | 7682-1050       |                |                |                |                | 26.05.2020 | DF1_020        | 25.05.2020 | 7584  | KS             | 7682-1050    |
| I38652GYUT04274-GAZ00002 | WD1_110 | N          |         |                | 7682-1050       |                |                |                |                | 12.10.2020 | DF1_020        | 13.08.2020 | 7584  | KS             | 7682-1050    |
| I38652GYUT04274-LG101    | WD1_110 | N          |         |                | 7682-1050       |                |                |                |                |            | DF1_020        | 14.10.2020 | 7584  | KS             | 7682-1050    |
| I38652GYUT04274-LG103    | WD1_110 | N          |         |                | 7682-1050       |                |                |                |                |            | DF1_020        | 27.10.2020 | 7584  | KS             | 7682-1050    |
| TEST_ZCES_WBS            | WD1_110 | N          |         |                | 4514110000      |                |                |                |                | 31.07.2020 | WD1_110        | 19.05.2020 | 7851  | KS             | 4514110000   |

## Snapshots for Control Check

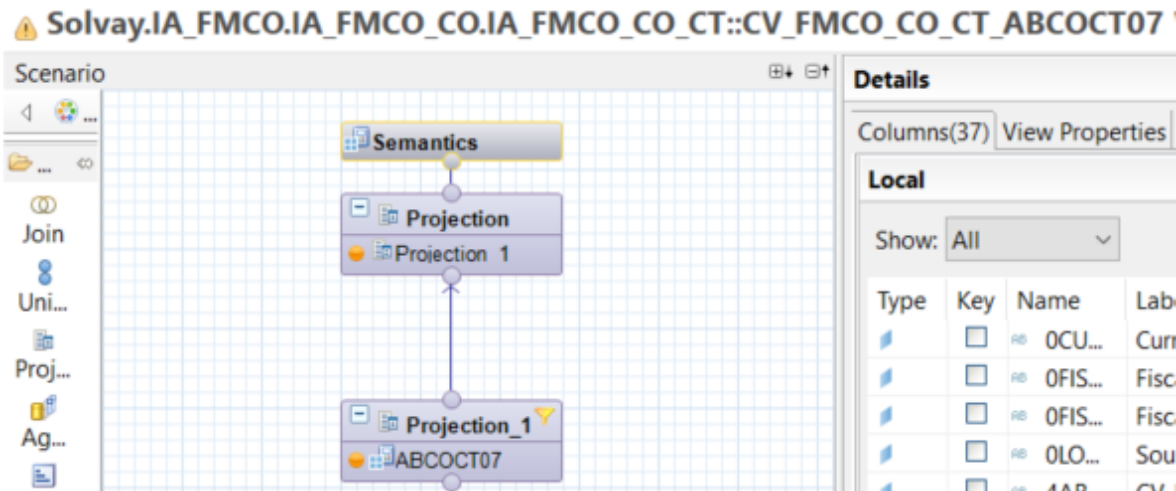
Composite Provider CPCOCT08 allows users to compare current data with weekly/on demand snapshot saved in ADSO ABCOCT07.

### Scenario: CPCOCT08



ABCOCT07 is loaded from Composite Provider CPCOCT09, copy of CPCOCT01 without Input Parameters. The Input Parameters "Fiscal Period From" and "Fiscal Period To" are restored in Calculation View CV\_FMCO\_CO\_CT\_ABCOCT07, to facilitate union between Snapshot data and Current data.

|                                               |                      |
|-----------------------------------------------|----------------------|
| Costa At Destination - Snapshots              | ABCOCT07             |
| TRSF: HCPR CPCOCT09 -> ADSO ABCOCT07          | 0EBV6FAMLWPYWE732... |
| Controlling - Cost Transparency for CPCOCT09  |                      |
| Controlling - Costs Transparency for CPCOCT01 |                      |
| Data Transfer Processes                       | ABCOCT07             |
| DTP: CPCOCT09 -> ABCOCT07 - I                 | DTP_04B9BB0HZDMR3... |



Each Snapshot is timed and dated, and named following the pattern "Pyymmdd". Snapshots past a certain time (in months, stored in C\_GLBFLT 001 for Stream COSTA and Rule SNAPSHOT) are deleted from history.

A snapshot is taken every Saturday though Process Chain PC\_CO\_CT\_01, but one can also be taken manually through Transaction ZBW\_COSTA\_SNAP.

Users can access the data through query BW\_QRY\_CPCOCT08\_0001 "COSTA - Snapshot vs Current Comparison (Core Query)"

Should snapshot data appear to be doubled/tripled, display C\_TIMEP (Snapshot Time) to check that multiple snapshots were not taken the same day, which would explain that result in the query.

Note: Data should be loaded through DTP without "SAP HANA Extraction" checked. That check changes the way data is extracted from CPCOCT09 and generates erroneous totals for K\_INTRAT.

## Anaplan Budget & BE Import

Anaplan sends its Budget and Best Estimate data, both for Origin and Bridge Destination, to a folder on Application Server: /export/BW /Anaplan\_inbound.

Origin data is collected through ADSOs APCOCT21 and ABCOCT08.

|                                                  |                        |
|--------------------------------------------------|------------------------|
| Costa - Anaplan Origin Budget & BE               | ABCOCT08               |
| ADSO ABCOCT08 -> ADSO ABCOCT08                   | 05NL40D8HRRMLMZ50IA... |
| TRSF: APCOCT21 -> ADSO ABCOCT08                  | 0KJZ9V4GBXJ7XOB2X1...  |
| Costa - Anaplan Origin Budget & BE               | APCOCT21               |
| TRSF: APCOCT21 -> APCOCT21                       | 0DYI424LXFCI5VGZSW...  |
| TRSF: DTS_ANAPLAN_BESTIMATE_ADJ -> ADSO APCOCT21 | 0HM335SKULFDT6VZH...   |
| TRSF: DTS_ANAPLAN_BUDGET_BASE -> ADSO APCOCT21   | 082IPEDRSH8IHWANK...   |
| TRSF: DTS_ANAPLAN_BUDGET_OOS -> ADSO APCOCT21    | 0FSXGZPE6TP138H9UF...  |
| TRSF: DTS_ANAPLAN_BUD_BOT_L3 -> ADSO APCOCT21    | 007IRLFZZSRVJ3V13YU... |
| TRSF: DTS_ANAPLAN_BUD_BOT_L4 -> ADSO APCOCT21    | 05D97HSX5ZIRZXIX8O...  |
| TRSF: DTS_ANAPLAN_BUD_BOT_L5 -> ADSO APCOCT21    | 0K62HPIRHTN26KW4S...   |
| TRSF: DTS_ANAPLAN_BUD_TOP_L1 -> ADSO APCOCT21    | 0JB093TB3MB96C889U...  |
| TRSF: DTS_ANAPLAN_BUD_TOP_L2 -> ADSO APCOCT21    | 08U24C0P4KDV3KESXB...  |
| TRSF: DTS_ANAPLAN_BUD_TOP_L3 -> ADSO APCOCT21    | 0TAISGVT09DGNAE0M...   |
| TRSF: DTS_ANAPLAN_BUD_TOP_L4 -> ADSO APCOCT21    | 0C4PG9K8A81BE5CIQB...  |
| TRSF: DTS_ANAPLAN_BUD_TOP_L5 -> ADSO APCOCT21    | 0PXJXL00YFQII62JKS...  |
| TRSF: DTS_ANAPLAN_ESTIMATE_OOS -> ADSO APCOCT21  | 0E2TLCU12L06WWKQP...   |
| TRSF: DTS_ANAPLAN_ESTIMATE_TRAN -> ADSO APCOCT21 | 0G5YZ59ZHCK501HHH...   |

Bridge Destination data is collected through ADSOs APCOCT22 and ABCOCT09.

|                                               |                       |
|-----------------------------------------------|-----------------------|
| Costa - Bridge destination Budget & BE        | ABCOCT09              |
| ADSO ABCOCT09 -> ADSO ABCOCT09                | 0KCXX35700MZ8W352...  |
| TRSF: ADSO APCOCT22 -> ADSO ABCOCT09          | 0D2BU6LTWWVJADQB...   |
| Costa - Bridge destination Budget & BE        | APCOCT22              |
| TRSF: APCOCT22 -> APCOCT22                    | 0PWJTJZ8LJQ7EMHE22... |
| TRSF: DTS_ANAPLAN_BRG_BEST -> ADSO APCOCT22   | 0OPLIB5UXYB4M3CHH...  |
| TRSF: DTS_ANAPLAN_BRG_BUDGET -> ADSO APCOCT22 | 0J1GINUDF4FMQ9ACN...  |

Both dataflows are loaded in parallel using the same Process Chains, one for Budget data and one for Best Estimate

| Process Chain | Process Chain Description                      | Period                                              |
|---------------|------------------------------------------------|-----------------------------------------------------|
| PC_CO_CT_05   | COSTA - TD - Anaplan Best Estimate Destination | Monthly on 13th workday of the month in Calendar 50 |
| PC_CO_CT_06   | COSTA - TD - Anaplan Budget Destination        | Yearly on 13th workday of July in Calendar 50       |

Users can request to have either chain running in addition to these default periods.

For Budget, initial load is done in July, with corrective/definitive values entered between September and November (daily updates required during that period).

Each source Flat File is assigned to a C\_SRC\_ANA (Source Anaplan) value, which is used to identify the dataflow, and offers a single KF for the Propagation ADSO associated.

For example, DTS\_ANAPLAN\_BESTIMATE\_ADJ, DTS collecting adjustments for Origin Best Estimate, initiates KF K\_ADJ\_BESTIM in APCOCT21, with C\_SRC\_ANA = 'SRC\_ADJ\_BESTIM'.

Most important line of code at this level is this, identical in all transformations to APCOCT21/22, except for the name of the KF and the values of C\_SRC\_ANA (see above) and C\_VERSN2 (F01 for BE and 000 for Budget):

```

LOOP AT ITB_TIME ASSIGNING <FS_TIME>.
  UPDATE /BIC/AAPCOCT212 SET K_ADJ_BESTIM = 0
                                C_FLG_OBS   = 'X'

  WHERE C_TIME = <FS_TIME>-C_TIME
  AND /BIC/C_SRC_ANA = 'SRC_ADJ_BESTIM'
  AND C_VERSN2 = 'F01'.
ENDLOOP.
IF SY-SUBRC = 0.
  COMMIT WORK.
ENDIF.

```

|    |                |              |                |                 |      |        |
|----|----------------|--------------|----------------|-----------------|------|--------|
| 9  | SRC_ADJ_BESTIM | C_SRC_ANA    | /BIC/C_SRC_ANA | Source Anaplan  | CHAR | 000020 |
| 10 | F01            | C_VERSN2     |                | Version         | CHAR | 000003 |
| 12 | ANAPL_EST      | C_FLOW       |                | C_flow          | CHAR | 000016 |
| 13 | Empty          | C_FLG_OBS    |                | Flag Obsolete   | CHAR | 000001 |
| 14 | K_BESTIMATE    | K_BESTIMATE  |                | Best Estimate   | FLTP | 000016 |
| 15 | K_ADJ_BESTIM   | K_ADJ_BESTIM |                | Adj B. Estimate | FLTP | 000016 |

This code sets all existing entries from the same source to Flag Obsolete = 'X', while the transformation loads actual data with Flag Obsolete = ". Thus, all data deleted from the source file are marked as obsolete in the Propagation ADSO once the transport is complete. The transformation of the ADSO on itself (APCOCT21 APCOCT21 and APCOCT22 APCOCT22) set RECORDMODE = D to all obsolete entries, so they are removed from Business level when the Delta load runs.

The quarters of the period to be flagged as obsolete in Propagation layer (and then to be deleted) are manually maintained in the Global Filter : one for Budget (COSTA/PERIOD\_000) and one for BE (COSTA/PERIOD\_F01).

These values must be manually adapted when changing the loaded year.

| Global Filter Stream... | Global Filter Rule | Global Filter | Global Filter Description                             | Global Filter Sign | Global Filter Option | Global Filter Low Value | Global Filter Hight Value | Global Filter Active |
|-------------------------|--------------------|---------------|-------------------------------------------------------|--------------------|----------------------|-------------------------|---------------------------|----------------------|
| COSTA                   | PERIOD_000         | 001           | Delete Quarters 000 data in APCOCT21/22 before reload | I                  | EQ                   | Q1 FY22                 |                           | Y                    |
| COSTA                   | PERIOD_000         | 002           | Delete Quarters 000 data in APCOCT21/22 before reload | I                  | EQ                   | Q2 FY22                 |                           | Y                    |
| COSTA                   | PERIOD_000         | 003           | Delete Quarters 000 data in APCOCT21/22 before reload | I                  | EQ                   | Q3 FY22                 |                           | Y                    |
| COSTA                   | PERIOD_000         | 004           | Delete Quarters 000 data in APCOCT21/22 before reload | I                  | EQ                   | Q4 FY22                 |                           | Y                    |
| COSTA                   | PERIOD_F01         | 001           | Delete Quarters F01 data in APCOCT21/22 before reload | I                  | EQ                   | Q1 FY22                 |                           | Y                    |
| COSTA                   | PERIOD_F01         | 002           | Delete Quarters F01 data in APCOCT21/22 before reload | I                  | EQ                   | Q2 FY22                 |                           | Y                    |
| COSTA                   | PERIOD_F01         | 003           | Delete Quarters F01 data in APCOCT21/22 before reload | I                  | EQ                   | Q3 FY22                 |                           | Y                    |
| COSTA                   | PERIOD_F01         | 004           | Delete Quarters F01 data in APCOCT21/22 before reload | I                  | EQ                   | Q4 FY22                 |                           | Y                    |

| Master Data                                                                      |                    |         |                                     |                    |                      |                         |                |           |  |
|----------------------------------------------------------------------------------|--------------------|---------|-------------------------------------|--------------------|----------------------|-------------------------|----------------|-----------|--|
| Time Independent                                                                 |                    |         |                                     |                    |                      |                         |                |           |  |
| Add Line Withdraw Changes Change all records Details Where-Used Document Browser |                    |         |                                     |                    |                      |                         |                |           |  |
| Global Filter Stream (App...                                                     | Global Filter Rule | Glob... | Global Filter Description           | Global Filter Sign | Global Filter Option | Global Filter Low Value | Global Filt... | Global... |  |
| COSTA                                                                            | RELOAD_F02         | 000     | Reload F02 data in ABCOCT08/09? Y/N | I                  | EQ                   | N                       |                | Y         |  |
|                                                                                  |                    |         |                                     |                    |                      |                         |                |           |  |

For each monthly run, Best Estimate history is saved by moving existing data from version F01 to F02. Whether this save is done or not depends on the value of Global Filter COSTA/RELOAD\_F02 above. Low Value should be 'Y' by default, changed to 'N' when manually reloading Best Estimate data.

Dependencies with other applications

Data loadings

List of process chain

|                                                                                                                                               |                                                                                                                 |                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------|
| P<br>r<br>o<br>c<br>e<br>s<br>s<br>c<br>h<br>a<br>i<br>n<br>d<br>e<br>s<br>c<br>r<br>i<br>p<br>t<br>i<br>o<br>n                               | P<br>r<br>o<br>c<br>e<br>s<br>s<br>c<br>h<br>a<br>i<br>n<br>d<br>e<br>s<br>c<br>r<br>i<br>p<br>t<br>i<br>o<br>n | Starter             |
| C<br>O<br>S<br>T<br>A<br>-<br>A<br>d<br>j<br>u<br>s<br>t<br>m<br>e<br>n<br>t<br>P<br>e<br>r<br>i<br>m<br>e<br>t<br>e<br>r<br>F<br>l<br>o<br>w | P<br>C<br>-<br>C<br>T<br>-<br>C<br>O<br>R<br>R<br>E<br>C<br>T<br>I<br>V<br>E<br>-<br>2<br>-<br>0<br>1           | ZBW_COSTA_CORRECTIV |

|                                                  |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |                |             |                                  |         |         |             |   |   |  |  |  |  |            |           |     |   |  |                                  |   |    |   |   |   |
|--------------------------------------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------|-------------|----------------------------------|---------|---------|-------------|---|---|--|--|--|--|------------|-----------|-----|---|--|----------------------------------|---|----|---|---|---|
| COSTA - At Destination Allocation Matrix Loading | PCCTDESTSCHE02 | Sub Chain from PC_CT_DEST_SCHE_01                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                |             |                                  |         |         |             |   |   |  |  |  |  |            |           |     |   |  |                                  |   |    |   |   |   |
| COSTA - At Destination scheduling process        |                | Daily - 9am - but full process chain only between 3rd and 7th day of month. <div>Table: /BIC/PC_GLBFLT<table><tr><td>EP</td><td>/BIC/C_STRE...</td><td>/BIC/C_RULE</td><td>/BIC/C_GLBFLT</td><td>OBJVERS</td><td>CHANGED</td><td>/BIC/C_DESC</td><td colspan="5"></td></tr><tr><td></td><td>COSTA_DEST</td><td>RANGE_DAY</td><td>001</td><td>A</td><td></td><td>Work. Day for PC_CT_DEST_SCHE_01</td><td>I</td><td>BT</td><td>3</td><td>7</td><td>Y</td></tr></table></div> | EP            | /BIC/C_STRE... | /BIC/C_RULE | /BIC/C_GLBFLT                    | OBJVERS | CHANGED | /BIC/C_DESC |   |   |  |  |  |  | COSTA_DEST | RANGE_DAY | 001 | A |  | Work. Day for PC_CT_DEST_SCHE_01 | I | BT | 3 | 7 | Y |
| EP                                               | /BIC/C_STRE... | /BIC/C_RULE                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | /BIC/C_GLBFLT | OBJVERS        | CHANGED     | /BIC/C_DESC                      |         |         |             |   |   |  |  |  |  |            |           |     |   |  |                                  |   |    |   |   |   |
|                                                  | COSTA_DEST     | RANGE_DAY                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 001           | A              |             | Work. Day for PC_CT_DEST_SCHE_01 | I       | BT      | 3           | 7 | Y |  |  |  |  |            |           |     |   |  |                                  |   |    |   |   |   |
| COSTA - Budget Flow                              | PCCTBUDGET01   | ZBW_COSTA_BUDGET                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |                |             |                                  |         |         |             |   |   |  |  |  |  |            |           |     |   |  |                                  |   |    |   |   |   |

|                                                                                                                                                                   |                                                                         |                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----------------|
| C<br>O<br>S<br>T<br>A<br>-<br>C<br>O<br>R<br>R<br>E<br>C<br>T<br>I<br>V<br>E<br>F<br>I<br>O<br>W                                                                  | P<br>C<br>-<br>C<br>T<br>-<br>C<br>O<br>R<br>R<br>E<br>C<br>-<br>0<br>1 | ZBW_CORR_FLOW   |
| C<br>O<br>S<br>T<br>A<br>-<br>C<br>O<br>R<br>R<br>E<br>C<br>T<br>I<br>V<br>E<br>F<br>l<br>o<br>w<br>2<br>-<br>D<br>e<br>s<br>t<br>i<br>n<br>a<br>t<br>i<br>o<br>n | P<br>C<br>-<br>C<br>T<br>-<br>C<br>O<br>R<br>R<br>E<br>C<br>-<br>0<br>2 | ZBW_CORR_FLOW_2 |
| C<br>O<br>S<br>T<br>A<br>-<br>C<br>o<br>s<br>t<br>C<br>e<br>n<br>t<br>e<br>r<br>D<br>e<br>t<br>e<br>r<br>m<br>i<br>n<br>a<br>t<br>i<br>o<br>n                     | P<br>C<br>-<br>C<br>T<br>-<br>R<br>C<br>C<br>-<br>0<br>1                | ZBW_COSTA_RCC   |

|                                                                                                                                     |                                                                 |                         |
|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-------------------------|
| C<br>O<br>S<br>T<br>A<br>-<br>C<br>o<br>s<br>t<br>S<br>u<br>b-<br>P<br>a<br>c<br>k<br>a<br>g<br>e<br>-<br>Z<br>B<br>B               | P<br>C<br><br>-<br>C<br>T<br><br>-<br>T<br>R<br><br>-<br>0<br>5 | ZBW_COSTA_C_CTSBPKG_ZBB |
| C<br>O<br>S<br>T<br>A<br>-<br>F<br>2<br>G<br>A<br>n<br>a<br>p<br>l<br>a<br>n<br>-<br>E<br>x<br>t<br>r<br>a<br>c<br>t<br>i<br>o<br>n | P<br>C<br><br>-<br>C<br>O<br><br>-<br>C<br>T<br><br>-<br>0<br>3 | Daily - 5 am            |

|                                                                                                                                                                                                                     |                                                                                              |                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|---------------------|
| C<br>O<br>S<br>T<br>A<br>-<br>H<br>i<br>e<br>r<br>a<br>r<br>c<br>h<br>y<br>L<br>e<br>v<br>e<br>l<br>5<br>-<br>R<br>e<br>s<br>p<br>o<br>n<br>s<br>i<br>b<br>l<br>e<br>C<br>o<br>s<br>t<br>c<br>e<br>n<br>t<br>e<br>r | P<br>C<br><br>-<br>C<br>T<br><br>-<br>L<br>E<br>V<br>E<br>L<br>5<br>-<br>H<br>I<br>E<br>R    | When necessary      |
| C<br>O<br>S<br>T<br>A<br>-<br>I<br>n<br>f<br>l<br>a<br>t<br>i<br>o<br>n<br>s                                                                                                                                        | P<br>C<br><br>-<br>C<br>T<br><br>-<br>T<br>R<br><br>-<br>0<br>4                              | ZBW_COSTA_INFLATION |
| C<br>O<br>S<br>T<br>A<br>-<br>I<br>n<br>v<br>e<br>s<br>t<br>m<br>e<br>n<br>t<br>R<br>e<br>a<br>s<br>o<br>n<br>W<br>B<br>S                                                                                           | P<br>C<br><br>-<br>C<br>T<br><br>-<br>I<br>N<br>V<br><br>-<br>R<br>E<br>A<br><br>-<br>0<br>1 | ZBW_COSTA_INV       |

|                                                                                                                                |                                                                      |                            |
|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|----------------------------|
| C<br>O<br>S<br>T<br>A<br>-<br>M<br>a<br>t<br>e<br>r<br>i<br>a<br>l<br>s                                                        | P<br>C<br><br>C<br>T<br><br>M<br>D<br><br>0<br>1                     | Daily 1:30 am              |
| C<br>O<br>S<br>T<br>A<br>-<br>O<br>r<br>d<br>e<br>r<br>G<br>r<br>o<br>u<br>p<br>O<br>P<br>E<br>X<br>/<br>C<br>A<br>P<br>E<br>X | P<br>C<br><br>C<br>T<br><br>T<br>R<br><br>0<br>3                     | ZBW_COSTA_ORDER_CAPEX_OPEX |
| C<br>O<br>S<br>T<br>A<br>-<br>P<br>e<br>r<br>i<br>m<br>e<br>t<br>e<br>r<br>s<br>B<br>r<br>i<br>d<br>g<br>e<br>f<br>l<br>o<br>w | P<br>C<br><br>C<br>T<br><br>P<br>E<br>R<br>I<br>C<br>H<br><br>0<br>1 | ZBW_COSTA_FILE             |
| C<br>O<br>S<br>T<br>A<br>-<br>S<br>A<br>M<br>P<br>L<br>E<br>F<br>l<br>o<br>w                                                   | P<br>C<br><br>C<br>T<br><br>T<br>R<br><br>S<br>A<br>M<br>P<br>L<br>E | Daily 1:30 am              |

|                                                                                                                                                                                                 |                                                  |                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------------------------------------|
| C<br>O<br>S<br>T<br>A<br>-<br>T<br>D<br>-<br>A<br>n<br>a<br>p<br>l<br>a<br>n<br>B<br>e<br>s<br>t<br>E<br>s<br>t<br>i<br>m<br>a<br>t<br>e<br>D<br>e<br>s<br>t<br>i<br>n<br>a<br>t<br>i<br>o<br>n | P<br>C<br><br>C<br>O<br><br>C<br>T<br><br>0<br>5 | Monthly on 13th workday of the month in Calendar 50 |
| C<br>O<br>S<br>T<br>A<br>-<br>T<br>D<br>-<br>A<br>n<br>a<br>p<br>l<br>a<br>n<br>B<br>u<br>d<br>g<br>e<br>t<br>D<br>e<br>s<br>t<br>i<br>n<br>a<br>t<br>i<br>o<br>n                               | P<br>C<br><br>C<br>O<br><br>C<br>T<br><br>0<br>6 | Yearly on 13th workday of July in Calendar 50       |

|                                                                                                                                                                                        |                                                                           |               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------|
| C<br>O<br>S<br>T<br>A<br>-<br>T<br>r<br>a<br>n<br>s<br>a<br>c<br>t<br>i<br>o<br>n<br>n<br>a<br>l<br>D<br>a<br>t<br>a<br>0<br>1                                                         | P<br>C<br><br>-<br>C<br>T<br><br>-<br>T<br>R<br><br>-<br>0<br>1           | Daily 1:30 am |
| C<br>O<br>S<br>T<br>A<br>-<br>T<br>r<br>a<br>n<br>s<br>a<br>c<br>t<br>i<br>o<br>n<br>n<br>a<br>l<br>D<br>a<br>t<br>a<br>0<br>2<br>(<br>S<br>c<br>r<br>e<br>e<br>n<br>P<br>c<br>k<br>g) | P<br>C<br><br>-<br>C<br>T<br><br>-<br>T<br>R<br><br>-<br>0<br>2           | Daily 6:30 am |
| C<br>O<br>S<br>T<br>A<br>M<br>e<br>t<br>a<br>c<br>h<br>a<br>i<br>n<br>0<br>1                                                                                                           | P<br>C<br><br>-<br>C<br>T<br><br>-<br>M<br>E<br>T<br>A<br><br>-<br>0<br>1 | Daily 1:30 am |

|                                                                                                                                                                                                 |                                                  |                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|----------------------|
| C<br>O<br>S<br>T<br>A<br>:<br>T<br>D<br>-<br>M<br>-<br>A<br>n<br>a<br>p<br>l<br>a<br>n<br>O<br>r<br>i<br>g<br>i<br>n<br>C<br>o<br>s<br>t<br>s<br>E<br>x<br>t<br>r<br>a<br>c<br>t<br>i<br>o<br>n | P<br>C<br><br>C<br>O<br><br>C<br>T<br><br>0<br>4 | When necessary       |
| C<br>O<br>S<br>T<br>A<br>:<br>T<br>D<br>-<br>T<br>-<br>M<br>a<br>n<br>u<br>a<br>l<br>S<br>n<br>a<br>p<br>s<br>h<br>o<br>t<br>s                                                                  | P<br>C<br><br>C<br>O<br><br>C<br>T<br><br>0<br>2 | ZBW_COSTA_FLAT_FILES |
| C<br>O<br>S<br>T<br>A<br>:<br>T<br>D<br>-<br>W<br>-<br>S<br>n<br>a<br>p<br>s<br>h<br>o<br>t<br>s                                                                                                | P<br>C<br><br>C<br>O<br><br>C<br>T<br><br>0<br>1 | Each wenesday at 9am |

Destination manually loading

There is a decision in process chain PC\_CT\_DEST\_SCHE\_01 to not load data outside a range of day, so if necessary change the range of day in master data global filter:

Table: /BIC/PC\_GLBFLT

| BP | /BIC/C_STRE... | /BIC/C_RULE | /BIC/C_GLBFLT | OBJVERS | CHANGED | /BIC/C_DESC                      | /BIC/C_SIGN | /BIC/C_OPTION | /BIC/C_LOW | /BIC/C_HIGH | /BIC/C_ACTIVE |
|----|----------------|-------------|---------------|---------|---------|----------------------------------|-------------|---------------|------------|-------------|---------------|
|    | COSTA_DEST     | RANGE_DAY   | 001           | A       |         | Work. Day for PC_CT_DEST_SCHE_01 | I           | BT            | 3          | 7           | Y             |

1) Update TVARV table

SM30 TVRAV

In parameter, check current run is equal to 0, macimum number run equal 7 and put X to init mode.

Edit Table TVARVC: Selection Variables

Individual maintenance

Contents of Table TVARVC

☐ Include changed entries in transport request

Parameter

Selection Options

| Name                     | Val. |
|--------------------------|------|
| Z_BW_CT_DEST_CURRENT_RUN | 0    |
| Z_BW_CT_DEST_INIT_MODE   | X    |
| Z_BW_CT_DEST_MAX_NB_RUN  | 7    |

In selection option, if necessary change the date (by default is the current month - 1):

Edit Table TVARVC: Selection Variables

Individual maintenance

Contents of Table TVARVC

☐ Include changed entries in transport request

Parameter

Selection Options

| Name                   | O. | Lower limit | Upper limit | Mult... | Ca. |
|------------------------|----|-------------|-------------|---------|-----|
| Z_BW_CT_DEST_PERIOD_RG |    | 202209      | 202209      |         |     |

2) Execute process chain PC\_CT\_DEST\_SCHE\_01 (with transaction se37 RSPC\_API\_CHAIN\_START).

Info providers and objects loaded

Loading frequency

Average performance

|            |            |
|------------|------------|
| Key Figure | Estimation |
|------------|------------|

|                                      |  |
|--------------------------------------|--|
| ~ Average Process Chain Runtime      |  |
| ~ Average nb of rows loaded per load |  |
| ~ Total nb of rows loaded (if full)  |  |
| ~ Average Runtime for 10k lines      |  |

## Record Keeping

## Reporting

## Queries End User Documentation

## Main queries

BW\_QRY\_CPCOCT05\_0001: Cost Transparency - A destination View  
 BW\_QRY\_CPCOCT05\_0002: COSTA - Cost Transparency - Destination view  
 BW\_QRY\_CPCOCT05\_1001: COSTA - Cost Transparency - Origin view  
 BW\_QRY\_CPCOCT05\_1002: COSTA - Tool to track PO Material Group change  
 QV\_BW\_QRY\_CPCOCT05\_0002: QV Cost Transparency  
 QV\_BW\_QRY\_CPCOCT05\_1001: COSTA - QV Cost Transparency - Origin view  
 QV\_BW\_QRY\_CPCOCT05\_1002: QV - Cost Transparency - Origin - Perimeter Change  
 QV\_QRY\_CPCOCT05\_0001: QV Cost Transparency - A destination View (POC)

## Main functionalities

## Broadcast

## Maintenance

## Known bugs

## Recurring procedure

## Planned Evolution

### Anaplan Budget & BE Import

1) Process Chain Budget will likely be modified to run daily, with test process to either execute dummy program or complete PC run depending on a Global Filter to be set manually OR through event when new file is added to AL11.

2) The way Budget adjustments are handled, with Top-Down and Bottom-Up adjustments on multiple levels, will be updated and simplified later this year (2022).