

Logistics - Freight and Duties

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Objective

The objective is to have Freights and Duties Costs query. This query will be used with Qlik.

Roles & Access

Roles and access

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

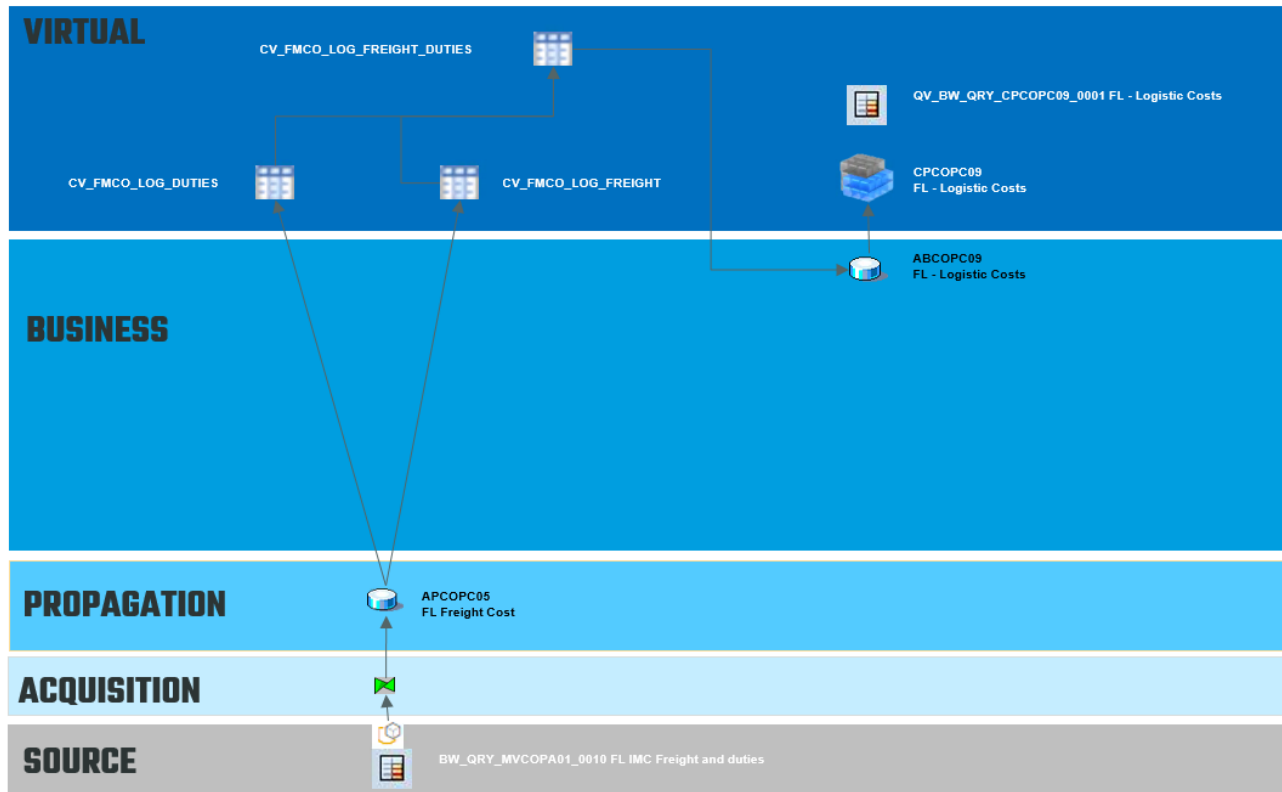
Role Code	Role Description	Explanation
ZR_RCS_CA_M80	Forward Looking ICM - Logistic Cost	Role Menu
ZBI_RCS_CO_A08	Forward Looking ICM - Logistic Cost	Authorization objects

Authorization variables

List of authorization variables mandatory for the application.

Authorization variables	Object
V_C_AUTHMA_0001	C_PLANT__C_AUTHMA
V_C_PLANT_0012	C_PLANT
V_CPFCTR1_2_0006	CPFCTR1_2

Dataflow overview



Source Layer

As showed in the data flow above the data source is a BW Query BW_QRY_MVCOPA01_0010 - FL ICM Freight and Duties.

Description	FL ICM Freight and duties (core query)
Technical Name	BW_QRY_MVCOPA01_0010
Application	COPC
Info-provider	MVCOPA01
Usage type	Data Source
Expected users	

Global properties

General

Technical Name:

BW_QRY_MVCOPA01_0010

Description:

FL ICM Freight and duties (core query)

InfoProvider:

MVCOPA01

Key Date:

<default>

Edit...

Output Settings

☒ Adjust Formatting after Refreshing

☒ Suppress Repeated Key Values

☐ Show Scaling for Measures

Sign Format:

Before, for example -1

Zero Format:

With Currency/Unit

Custom Zero Format:

Result Location

Rows:

☐ Above

☒ Below

Columns:

☐ Left

☒ Right

Zero Suppression

Applies to:

☒ Rows

☐ Columns

Condition:

Only result value must be zero

Remote Access

☐ By Easy Query

☐ By OLE DB for OLAP

☐ By OData

☐ External SAP HANA View

Universal Display Hierarchy

☐ Active on rows

Expand to Level:

0

☐ Active on columns

Expand to Level:

0

Variables

Definitions

Variable Name	Info-object	Selection Type	Required	Description /Explanation

Variable Sequence

N/A

Filters

Filter: Fixed Values

- ▼ [C_VERSN2] Version
 - [000] 000
 - [0] 0
- ▼ [OINFOPROV] InfoProvider
 - [CRCOPA03] BFC - P&L - Version 1: Total P&L
 - [CRCOPA04] BFC - P&L - Version 2: Interco Sales
 - [CRCOPA05] BFC - P&L - Version 3: Third Party
- ▼ [OLOGSYS] Source System
 - [NERP001] Non ERP - OIL & GAS
 - [NERP002] Non ERP - CH
 - [NERP003] Non ERP - SODA
 - [NERP004] Non ERP - PEROXIDES
 - [NERP006] NON ERP - ISTANBUL
- ▼ [C_TECMAT_CPFCTR1_2] BFC Global Business Unit
 - [CS] NOVE CARE
 - [SP] SPECIALTY POLYMERS
- ▼ [OCALMONTH] Calendar Year/Month
 - [[0CYMONTH]-12 - 0CYMONTH] (Last Booked Mo
- ▼ [C_FIELDN_C_MGN_ACC] BFC Account
 - [N8110] Quantities sold
 - [R1290C] R1290C
 - [R12910] Logistics costs - variable
- ▼ [OVTYPE] Value Type for Reporting
 - [10] Actual

Key figures

- ▼ **P&L Structure CM**
 - [RCS_CKF_MVCOPA01_0970] Qty Sold External
 - [CKF_0999_DUTIES] Duties
 - [CKF_0999_FREIGHT] Freight
 - [0AMOUNT] Amount Duties
 - [K_CAMTM] Conso Amount M Cum - Duties
 - [0AMOUNT] Amount Freight
 - [K_CAMTM] Conso Amount M Cum - Freight

Formula: RCS_CKF_MVCOPA01_0970 - Qty Sold External

Formula

Formula:

```
"[VF_CUSTCOM_0001] PTING Customer/Company Integration rate" == 0 *  
"[RCS_RKF_MVCOPA01_0001] N8110 - Qty Sold" *  
MAX(0; "[VF_C_COMPCDE_C_COMPPRS_0001] TING Company" -  
"[VF_C_PCOMPAN_0001] TING Partner Company") / 100 +  
"[VF_CUSTCOM_0001] PTING Customer/Company Integration rate" <> 0 *  
"[RCS_RKF_MVCOPA01_0001] N8110 - Qty Sold" *  
MAX(0; "[VF_C_COMPCDE_C_COMPPRS_0001] TING Company" -  
"[VF_CUSTCOM_0001] PTING Customer/Company Integration rate") / 100
```

Technical Name: CKF_0999_DUTIES

Description: Duties

Formula:

```
"[0AMOUNT] Amount Duties" * "[VF_C_COMPCDE_C_COMPPRS_0001] TING Company" / 100  
+ "[K_CAMTM] Conso Amount M Cum - Duties"
```

Technical Name: CKF_0999_FREIGHT

Description: Freight

Formula:

```
"[0AMOUNT] Amount Freight" * "[VF_C_COMPCDE_C_COMPPRS_0001] TING Company" / 100  
+ "[K_CAMTM] Conso Amount M Cum - Freight"
```

Characteristics

Rows	
	[0LOGSYS] Source System
	[0CALMONTH] Calendar Year/Month
	[C_TECMAT_CPFCTR1_2] BFC Global Business Unit
	[C_MATNR2] Material
▼ 	[C_PLANT] Plant
	[C_ZONE] BFC Geographie/Zone
	[C_GZONE] Geographie/Zone
	[0REGION] Region
	[0COUNTRY] Country key
	[C_SOLDID] Sold-to party
	[C_SHIPID] Ship-to party
	[C_SHIPID_C_ZONE] Ship To Magnitude Geographie/
	[C_TGBRC2_C_ZONEH1] GBU Ship-to zone 1
	[C_TGBRC2_C_ZONEH2] GBU Ship-to zone 2
	[C_SHIPID_0COUNTRY] Country of destination
	[C_INCOTRM] Incoterms part (Core)
▼ 	[C_SHIPCD2] Shipping conditions (core)
	[C_TR_MODE] Transport Mode

Free	

Cells

N/A

Conditions

N/A

Exceptions

N/A

Dependencies with other applications

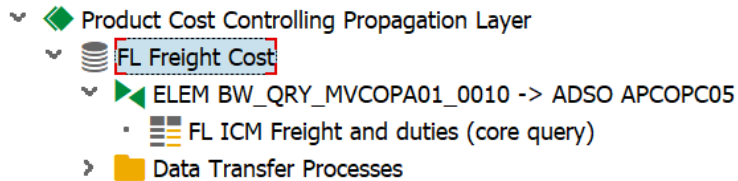
There is a dependency from MVCOPA01 data flow.

Data loadings

Info providers and objects loaded

Infoproviders:

APCOPC05



IA_FMCO_COPC_PROPAGATION
APCOPC05
04VZDEJG3YW8R7W5N2LBM0A755VX4WJ:
BW_QRY_MVCOPA01_0010
APCOPC05

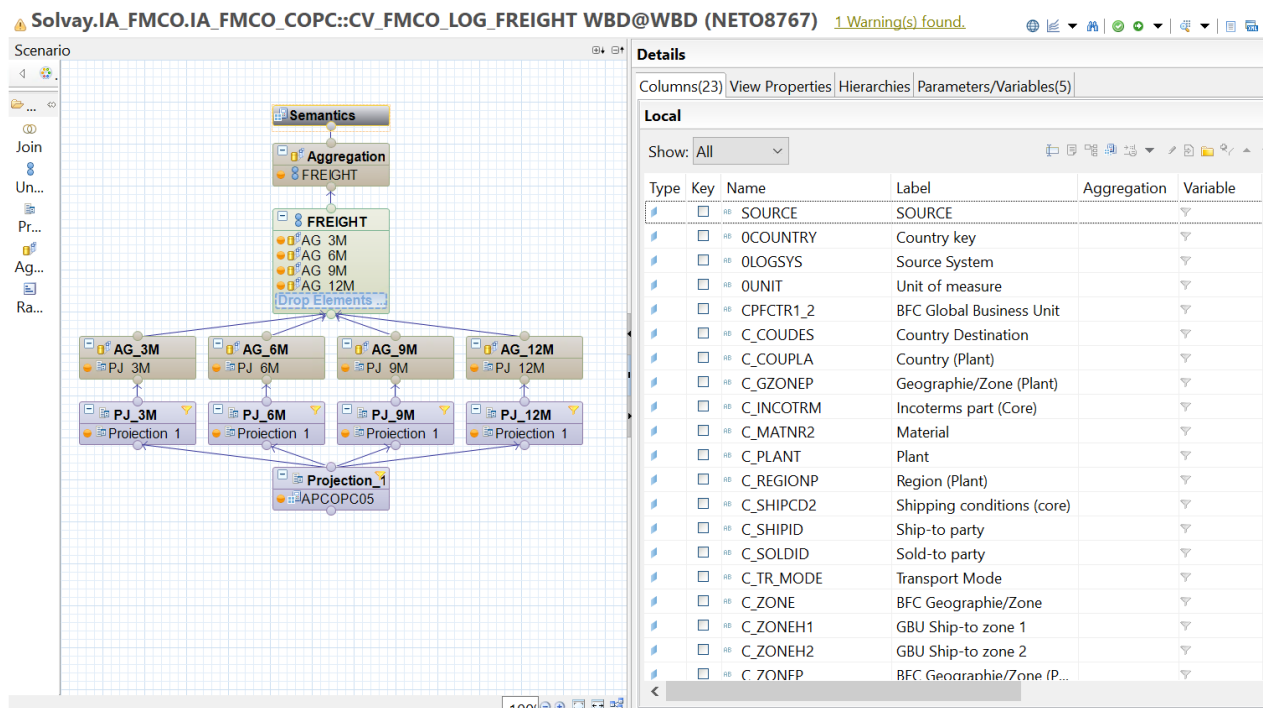
Loading frequency

Daily

Virtual Layer

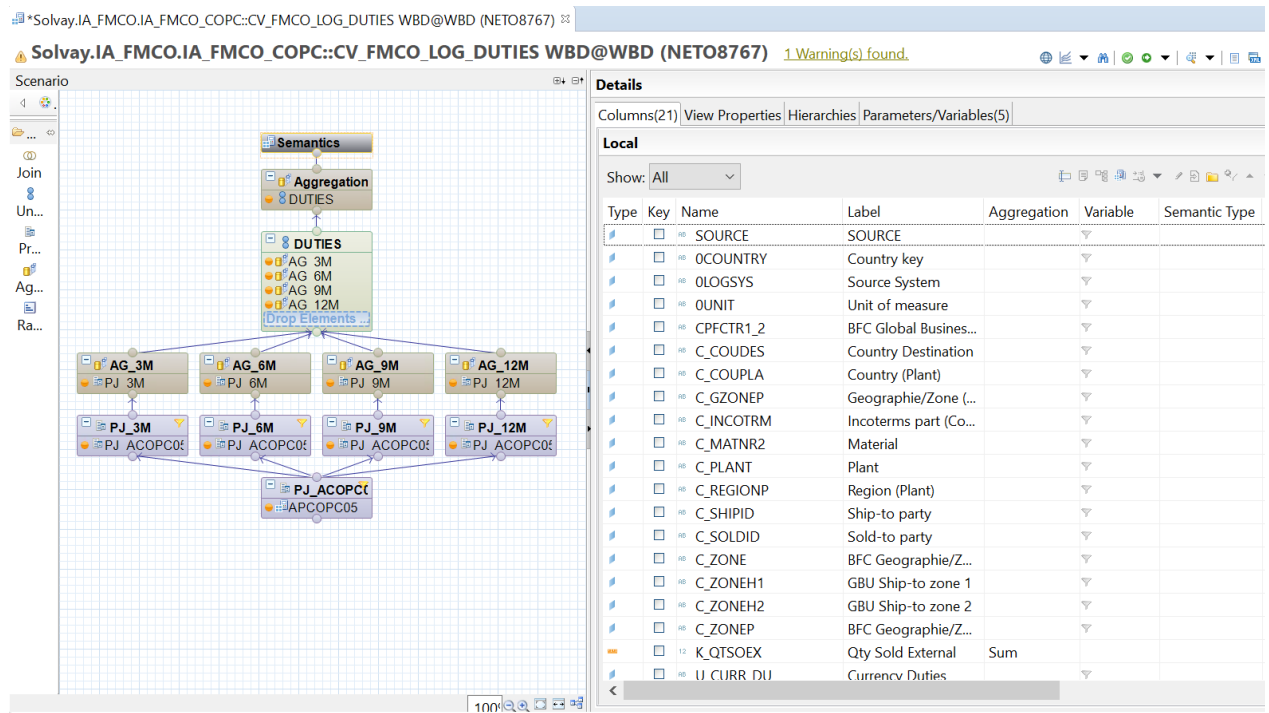
Calculation Views

CV_FMCO_LOG_FREIGHT



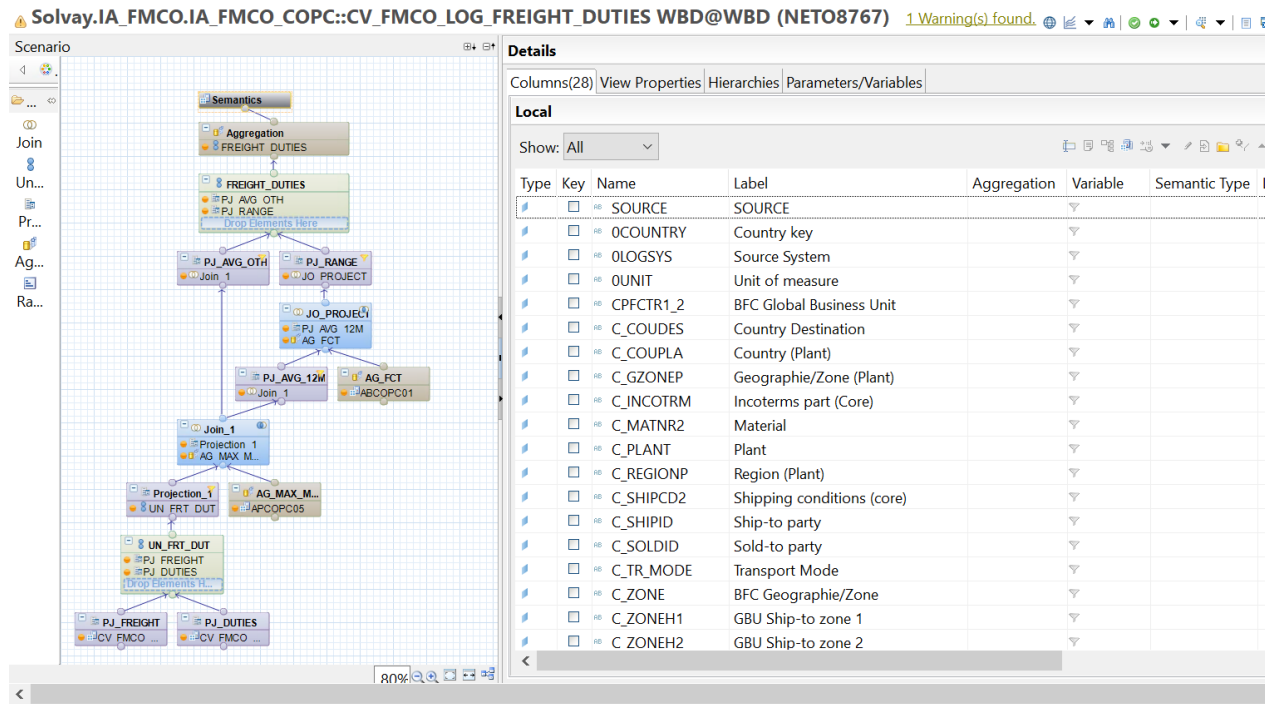
In this Calculation View, data from the Infoprovider APCOPC05 are extracted the Freight costs for last 3, 6, 9 and 12 months. At each projection step (PJ_3M, PJ_6M, PJ_9M, PJ_12M), a value for the "SOURCE" field is attributed: F03, F06, F09 or F12. All these values are aggregated into the last semantic layer of FREIGHT.

CV_FMCO_LOG_DUTIES



In this Calculation View, data from the Infoprovider APCOPC05 are extracted the Duties costs for last 3, 6, 9 and 12 months. At each projection step (**PJ_3M**, **PJ_6M**, **PJ_9M**, **PJ_12M**), a value for the "SOURCE" field is attributed: D03, D06, D09 or D12. All these values are aggregated into the last semantic layer of **DUTIES**.

CV_FMCO_LOG_FREIGHT_DUTIES



In this Calculation View, data from **CV_FMCO_LOG_FREIGHT_FREIGHT** and **CV_FMCO_LOG_FREIGHT_DUTIES** are united into **UN_FRT_FUT** step.

In **Join_1** step is to identify the reference month of the snapshot, because based on it we will repeat the costs 12 months ahead in order to make a forecast

In **JO_PROJECT** step indicates the number of months ahead that need to be projected.

In **FREIGHT_DUTIES** step all these values are aggregated into the last semantic layer of **FREIGHT_DUTIES**.

Composite Providers

CPCOPC09

FL - Logistic Costs

FL - Logistic Costs

RSDS DTS_FMCO_LOG_FREIGHT_DUTIES WBP_HANAIV -> ABCOPC09

Data Transfer Processes

CPCOPC09

ABCOPC09

ABCOPC09

Reporting (BW Query for Qlik)

Description	FL - Logistic Cost
Technical Name	QV_BW_QRY_CPCOPC09_0001
Application	COPC
Info-provider	CPCOPC09
Usage type	Qlik Source
Expected users	

Global properties

General

Technical Name: QV_BW_QRY_CPCOPC09_0001

Description: FL-Logistic Costs

InfoProvider: CPCOPC09

Key Date: <default> Edit...

Output Settings

☒ Adjust Formatting after Refreshing

☐ Suppress Repeated Key Values

☐ Show Scaling for Measures

Sign Format: Before, for example -1

Zero Format: With Currency/Unit

Custom Zero Format:

Result Location

Rows: ☐ Above ☒ Below Columns: ☐ Left ☒ Right

Zero Suppression

Applies to: ☐ Rows ☐ Columns

Condition: Only result value must be zero

Remote Access

☐ By Easy Query

☒ By OLE DB for OLAP

☐ By OData

☐ External SAP HANA View

Universal Display Hierarchy

☐ Active on rows

Expand to Level: 0

☐ Active on columns

Expand to Level: 0

Variables

Definitions

Variable Name	Info-object	Selection Type	Required	Description /Explanation
V_0LOGSYS_0001	0LOGSYS	SelectOption	No	
V_C_PLANT_0012	C_PLANT	Authorization with input	No	
V_CPFCTR1_2_0006	CPFCTR1_2	Authorization with input	No	

0CALMONTH_0006	0CALMONTH	SelectOption	No	
V_C_AUTHMA_0001	C_PLANT__C_AUTH MA	Authorization	Yes	

Variable Sequence

Variables	
 [0I_CALMO] Calendar Month/Year (Interval, Optional)	
 [0CALMONTH_0006] Creation Month	
 [V_C_PLANT_0012] Plant (Authorization with input select option)	
 [V_CPFCTR1_2_0006] GBU (Select Optional, Optional, Auth)	

Filters

Filter: Fixed Values	
▼  [C_RUNPER] Run Period (Calendar Year Month)  [0CALMONTH_0006] Creation Month ▼  [C_PLANT_C_AUTHMA] Authorization Scope  [V_C_AUTHMA_0001] Authorization Scope (Authorization, No input) ▼  [0CALMONTH] Calendar Year/Month  [0I_CALMO] Calendar Month/Year (Interval, Optional)  [0LOGSYS] Source System ▼  [C_PLANT] Plant  [V_C_PLANT_0012] Plant (Authorization with input select option) ▼  [CPFCTR1_2] BFC Global Business Unit  [V_CPFCTR1_2_0006] GBU (Select Optional, Optional, Auth)	

Key figures

Columns	
▼  Key Figures  [BW_CKF_CPCOPC09_0001] Unit Price  [BW_CKF_CPCOPC09_0002] Freight  [BW_CKF_CPCOPC09_0003] Duties  [BW_CKF_CPCOPC09_0004] Qty Sold External	

Characteristics

Rows	
	[0COUNTRY] Country key
	[0LOGSYS] Source System
	[C_RUNPER] Run Period (Calendar Year Month)
	[0CALMONTH] Calendar Year/Month
	[CPFCTR1_2] BFC Global Business Unit
	[C_PLANT] Plant
	[C_MATNR2] Material
	[C_SOLDID] Sold-to party
	[C_SHIPID] Ship-to party
	[C_ZONE] BFC Geographie/Zone
	[C_ZONEH1] GBU Ship-to zone 1
	[C_ZONEH2] GBU Ship-to zone 2
	[C_INCOTRM] Incoterms part (Core)
	[C_SHIPCD2] Shipping conditions (core)
	[C_TR_MODE] Transport Mode
	[C_SOURC] Source
	[C_COUDES] Country Destination
	[C_COUPLA] Country (Plant)
	[C_REGIONP] Region (Plant)
	[C_GZONEP] Geographie/Zone (Plant)
	[C_ZONEP] BFC Geographie/Zone (Plant)
	[U_CURR_FR] Currency Freight
	[U_CURR_DU] Currency Duties
	[0UNIT] Unit of measure

Free	

Cells

N/A

Conditions

N/A

Exceptions

N/A