

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.

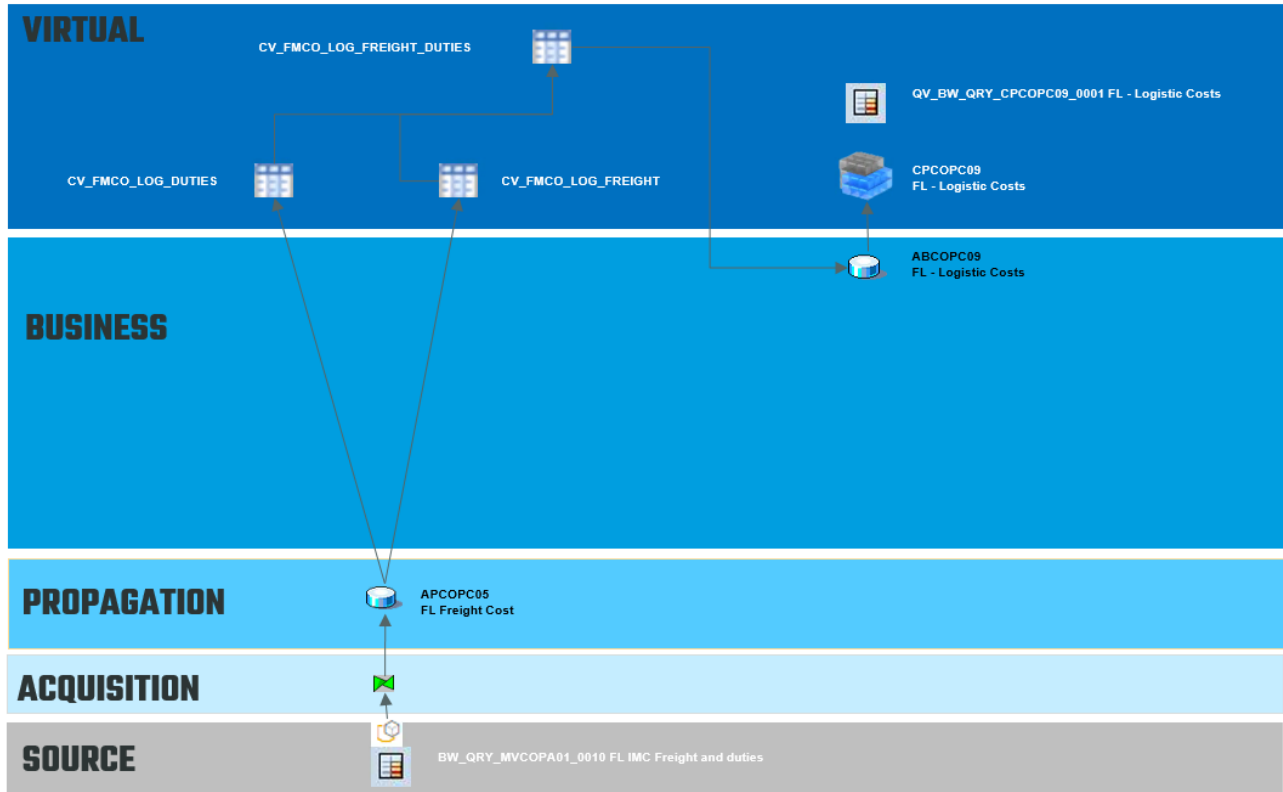
Role Code	Role Description	Explanation
ZR_RCS_CA_M80	Forward Looking ICM - Logistic Cost	Role Menu
ZBI_RCS_CO_A08	Forward Looking ICM - Logistic Cost	Authorization objects

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:

InfoProvider: MVCOPA01

Key Date:

Output Settings

Adjust Formatting after Refreshing

Suppress Repeated Key Values

Show Scaling for Measures

Sign Format: ▼

Zero Format: ▼

Custom Zero Format:

Remote Access

By Easy Query

By OLE DB for OLAP

By OData

External SAP HANA View

Result Location

Rows: Above Columns: Left

Below Right

Zero Suppression

Applies to: Rows

Columns

Condition:

Universal Display Hierarchy

Active on rows

Expand to Level:

Active on columns

Expand to Level:

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_COMPUDE_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_COMPUDE_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_COMPUDE_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_COMPUDE_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

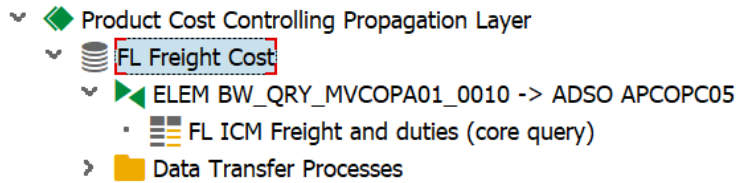
There is a dependency from MVCOPA01 data flow.

Data loadings

Info providers and objects loaded

Infoproviders:

APCOPC05



```
IA_FMCO_COPC_PROPAGATION
APCOPC05
04VZDEJG3YW8R7W5N2LBM0A755VX4WJ:
BW_QRY_MVCOPA01_0010
APCOPC05
```

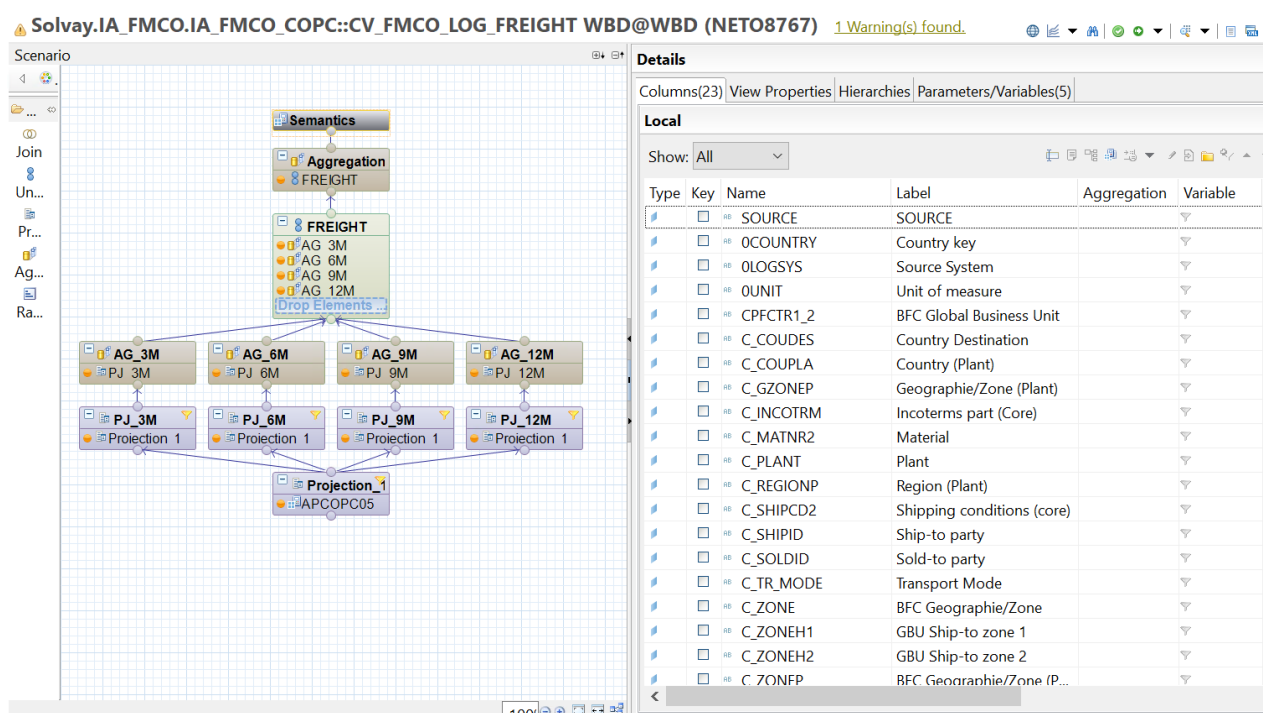
Loading frequency

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

Solvay.IA_FMCO.IA_FMCO_COPC::CV_FMCO_LOG_DUTIES WBD@WBD (NETO8767) 1 Warning(s) found.

Details

Columns(21) View Properties Hierarchies Parameters/Variables(5)

Local

Show: All

Type	Key	Name	Label	Aggregation	Variable	Semantic Type
		SOURCE	SOURCE			
		OCOUNTRY	Country key			
		OLOGSYS	Source System			
		OUNIT	Unit of measure			
		CPFCTR1_2	BFC Global Busines...			
		C_COUDES	Country Destination			
		C_COUPLA	Country (Plant)			
		C_ZONEP	Geographie/Zone (...)			
		C_INCOTRM	Incoterms part (Co...			
		C_MATNR2	Material			
		C_PLANT	Plant			
		C_REGIONP	Region (Plant)			
		C_SHIPID	Ship-to party			
		C_SOLDID	Sold-to party			
		C_ZONE	BFC Geographie/Z...			
		C_ZONEH1	GBU Ship-to zone 1			
		C_ZONEH2	GBU Ship-to zone 2			
		C_ZONEP	BFC Geographie/Z...			
		K_QTSOEX	Qty Sold External	Sum		
		U_CURR DU	Currency 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

Solvay.IA_FMCO.IA_FMCO_COPC::CV_FMCO_LOG_FREIGHT_DUTIES WBD@WBD (NETO8767) 1 Warning(s) found.

Details

Columns(28) View Properties Hierarchies Parameters/Variables

Local

Show: All

Type	Key	Name	Label	Aggregation	Variable	Semantic Type
		SOURCE	SOURCE			
		OCOUNTRY	Country key			
		OLOGSYS	Source System			
		OUNIT	Unit of measure			
		CPFCTR1_2	BFC Global Business Unit			
		C_COUDES	Country Destination			
		C_COUPLA	Country (Plant)			
		C_ZONEP	Geographie/Zone (Plant)			
		C_INCOTRM	Incoterms part (Core)			
		C_MATNR2	Material			
		C_PLANT	Plant			
		C_REGIONP	Region (Plant)			
		C_SHIPCD2	Shipping conditions (core)			
		C_SHIPID	Ship-to party			
		C_SOLDID	Sold-to party			
		C_TR_MODE	Transport Mode			
		C_ZONE	BFC Geographie/Zone			
		C_ZONEH1	GBU Ship-to zone 1			
		C_ZONEH2	GBU Ship-to zone 2			

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**.

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