

# Screen - Logistic Costs (QV) (QV\_BW\_QRY\_CPCOCT02\_0001)

**i** The objective of this documentation is not to allow to recreate from scratch the object but to **explain everything that is not obvious** by looking directly at the query/workbook or **emphases on things that are important** for the report to work.

Remove the sections that are not relevant.

<b>Description</b>	Screen - Logistic Costs (QV)
<b>Technical Name</b>	QV_BW_QRY_CPCOCT02_0001
<b>Application</b>	Screen Logistic
<b>Info-provider</b>	CPCOCT02
<b>Usage type</b>	Qlik
<b>Expected users</b>	

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## Workbook/Query General Description

### General parameters

#### Global properties

Tab	Screenshot	Comment
Display	<p><b>Output Settings</b></p> <p><input checked="" type="checkbox"/> Adjust Formatting after Refreshing</p> <p><input type="checkbox"/> Suppress Repeated Key Values</p> <p><input type="checkbox"/> Show Scaling for Measures</p> <p>Sign Format: <input type="text" value="Before, for example -1"/></p> <p>Zero Format: <input type="text" value="Custom"/></p> <p>Custom Zero Format: <input type="text"/></p>	
Rows/Columns	<p><b>Result Location</b></p> <p>Rows: <input type="radio"/> Above    Columns: <input type="radio"/> Left  <input checked="" type="radio"/> Below                    <input checked="" type="radio"/> Right</p> <p><b>Zero Suppression</b></p> <p>Applies to: <input type="checkbox"/> Rows  <input type="checkbox"/> Columns</p> <p>Condition: <input type="text" value="Only result value must be zero"/></p> <p><b>Universal Display Hierarchy</b></p> <p><input type="checkbox"/> Active on rows  Expand to Level: <input type="text" value="0"/></p> <p><input type="checkbox"/> Active on columns  Expand to Level: <input type="text" value="0"/></p>	
Value Display		

Planning	<div style="border: 1px solid #ccc; padding: 5px;"> <div style="background-color: #f0f0f0; padding: 2px; margin-bottom: 5px;"> <span style="font-size: 0.8em;">▼ Planning</span> </div> <div style="padding: 5px;"> <input type="checkbox"/> Start Query in Input Mode  <input type="checkbox"/> Symmetrical Calculation Mode  <input type="checkbox"/> New Lines on Every Level  <input type="checkbox"/> Always Disaggregate to All Valid Combinations </div> </div>	
Extended	<div style="border: 1px solid #ccc; padding: 5px;"> <div style="background-color: #f0f0f0; padding: 2px; margin-bottom: 5px;"> <span style="font-size: 0.8em;">▼ Extended</span> </div> <div style="padding: 5px;"> Request Status: <input style="width: 100px;" type="text" value=" &lt;default&gt;"/>  Cold Store (Nearline) Access: <input style="width: 100px;" type="text" value=" &lt;default&gt; - Setting from InfoProvider"/>  Document Links for: <input type="checkbox"/> InfoProvider Data  <input type="checkbox"/> Master Data  <input type="checkbox"/> Metadata </div> </div>	

## Variables

### Definitions

Variable Name	Info-object	Selection Type	Required	Description/Explanation
V_IPFISCPERFR	0FISCPER	Single	Yes	Input parameter Fiscper From propagated till the bottom of the calculation view flow (filter in projections)
V_IPFISCPERTO	0FISCPER	Single	Yes	Input parameter Fiscper to propagated till the bottom of the calculation view flow (filter in projections)
V_C_MGN_ACC_0005	C_MGN_ACC	Select Option	No	BFC Account
V_C_CTMCPKG_0001	C_CTMCPKG	Select Option	No	Taxonomie Macro Package
V_C_CTPKG_0001	C_CTPKG	Select Option	No	Taxonomie Package
Auth. Scope based on Comp. Code V_C_COMPCDE__C_AUTHMA_0001	C_COMPCDE__C_AUTHMA	Select Option	No	Authorization
V_IP_EXCH_RATE_002	0RTYPE	Single	Yes	Input parameter Exchange Rate used in the semantic layer of the calculation views connected to coimposite provider
V_IP_TGT_CURR_002	0CURRENCY	Single	Yes	Input parameter Target currency used in the semantic layer of the calculation views connected to coimposite provider
C_COMPCDE_06	C_COMPCDE	Select Option	No	Input parameter Company Code propagated till the bottom of the calculation view flow (filter in projections)
BFC GBU V_CPFCTR1_2_0023	CPFCTR1_2	Select Option	No	Authorization BFC GBU
V_C_CTOFLOW_0002	C_CTOFLOW	Multiple Single Values	No	Screen source flow

### Variable Sequence

Variables Order

Variables	
[V_IPFISCPERFR_0002]	Fiscal Period From
[V_IPFISCPERTO_0002]	Fiscal Period To
[C_COMPCDE_06]	Company Code (Select Option, Optional)
[V_CPFCTR1_2_0023]	1 - BFC GBU (Selection option)
[V_C_MGN_ACC_0005]	BFC Account (Selection option)
[V_C_CTMCPKG_0001]	Costs Macro-Package
[V_C_CTPKG_0001]	Cost Package
[V_C_AUTHMA_0004]	Authorization Scope (Auth with input)
[V_IP_EXCH_RATE_002]	Exchange Rate
[V_IP_TGT_CURR_002]	Target Currency
[V_C_CTOFLOW_0002]	Origin Flow (Multi - Optional)

## Filters

Object	Filter Value	Explanation
C_COMPCDE	Exclusion : 6354	this company leads to data issue
4CPCOCT02-IP_STREAM	Equal to : FMCO_CO_CT	IP parameter Stream value for global filter accesses

Filter: BW\_QRY\_CPCOCT02\_0001 - Screen - Logistic Costs (AFO)

Filter: Fixed Values

- ▼ [4CPCOCT02-IP\_TGT\_CURR] IP\_TGT\_CURR
  - ▼ [V\_IP\_TGT\_CURR\_002] Target Currency
- > [C\_AUTHMA] Authorization Scope
  - ▼ [CPFCTR1\_2] BFC Global Business Unit
    - ▼ [V\_CPFCTR1\_2\_0023] 1 - BFC GBU (Selection option)
  - ▼ [C\_CTMCPKG] Cost Macro Package
    - ▼ [V\_C\_CTMCPKG\_0001] Costs Macro-Package
  - ▼ [C\_CTPKG] Cost Package
    - ▼ [V\_C\_CTPKG\_0001] Cost Package
- ▼ [4CPCOCT02-IP\_STREAM] IP Global Filter Stream
  - ▼ [FMCO\_CO\_CT] FMCO\_CO\_CT
- ▼ [C\_FIELDN\_C\_MGN\_ACC] BFC Account
  - ▼ [V\_C\_MGN\_ACC\_0005] BFC Account (Selection option)
- ▼ [LOGSYS] SysLog
- ▼ [C\_COMPCDE] Company Code
  - ▼ [6354] 6354
- ▼ [C\_CTOFLOW] Origin Flow
  - ▼ [V\_C\_CTOFLOW\_0002] Origin Flow (Multi - Optional)

## Key figures

## Sheet Definition: BW\_QRY\_CPCOCT02\_0001 - Screen - Logistic

### Columns

#### Key Figures

- [AMOUNTLC] &VT\_KPI\_CPCOCT01\_LOC&
- [AMOUNTTGT] &VT\_KPI\_CPCOCT01\_TGT&
- [0G\_QVVA01] Qty invoice
- [BW\_CKF\_CPCOCT02\_0001] Sales Quantity (Total - VKG)
- [BW\_CKF\_CPCOCT02\_0011] Sales Quantity (Freight Paid - VKG)
- [4CPCOCT02-CK\_SAL\_QTY] Sales Quantity (Total)
- [4CPCOCT02-CK\_SAL\_AMT] Sales Amount (Total)
- [4CPCOCT02-CK\_SAL\_AMT\_P] Sales Amount (Freight Paid)
- [0DISTANCE] Distance
- [4CPCOCT02-AMOUNT] Actual Origin - Legal view (Local)
- [4CPCOCT02-CK\_TGT\_CURR] Actual Origin - Legal view (Conv)
- [4CPCOCT02-CK\_LOC\_CONS] Actual Origin - Conso view (Local)
- [4CPCOCT02-CK\_TGT\_CONS] Actual Origin - Conso view (Conv)
- [4CPCOCT02-CK\_DOC\_CONS] Actual Origin - Conso view (Document)
- [0DEB\_CRE\_DC] Actual Origin - Legal view (Document)
- [K\_GRWTVKG] Conv Gross weight of deliveries in VKG
- [K\_HUNUM] Number of handling units
- [K\_NTWTVKG] Conv Net weight of deliveries in VKG
- [BW\_CKF\_CPCOCT02\_0004] Conv Gross weight (SUM COST NB)
- [BW\_CKF\_CPCOCT02\_0007] Conv Net weight (SUM COST NBR)
- [BWCKF\_CPCOCT02\_0010] Number of Shipments
- [K\_NUMCON] Number of Containers (TR)

AMOUNTLC	IF("[V_CONSOV_0001] Conso. view? (1=Yes/0=No)" == 1; "[4CPCOCT02-CK_LOC_CONS] Actual Origin - Conso view (Local)"; "[4CPCOCT02-AMOUNT] Actual Origin - Legal view (Local)")
AMOUNTTGT	IF("[V_CONSOV_0001] Conso. view? (1=Yes/0=No)" == 1; "[4CPCOCT02-CK_TGT_CONS] Actual Origin - Conso view (Conv)"; "[4CPCOCT02-CK_TGT_CURR] Actual Origin - Legal view (Conv)")
BW_CKF_CPCOCT02_0001	'4CPCOCT02-CK_SAL_QTY' with conversion type CNV_MATNR5 target unit = VKG
BW_CKF_CPCOCT02_0011	'4CPCOCT02-CK_SAL_QTY_P' with conversion type CNV_MATNR5 target unit = VKG
BW_CKF_CPCOCT02_0004	Embedded Exception of aggregation in order to count properly 'K_GRWTVKG' Gross Weight
BW_CKF_CPCOCT02_0002	
BW_CKF_CPCOCT02_0008	

BW\_CKF\_CPCOCT02\_0007  
 BW\_CKF\_CPCOCT02\_0006  
 BW\_CKF\_CPCOCT02\_0005  
 BW\_CKF\_CPCOCT02\_0009

Embedded Exception of aggregation in order to count properly 'K\_NTWTVTKG' Gross Weight

### C

## Currency Conversion

- Currency and unit conversion are processed into the semantic layer of calculation views connected to the composite provider.

The screenshot shows the SAP BW calculation view editor. On the left, a semantic tree displays the structure of the calculation view, starting with an aggregation and various data sources. On the right, a table lists the columns of the calculation view. The table has columns for Type, Key, Name, Label, Aggregation, Variable, Semantic Type, and Label Color. The 'Amount with Currency Code' semantic type is highlighted in yellow for several columns.



- Screen query offers the capability to select a target currency and an exchange rate which are propagated to the calculation view thanks to Input parameter mechanism.

The screenshot shows the 'Assign Semantics' dialog box in SAP BW. The 'Semantic Type' is set to 'Amount with Currency Code'. The 'Currency' field is set to 'CC\_TGT\_CURRENCY'. The 'Conversion' checkbox is checked. The 'Schema for currency conversion' is 'ABAP (SAPSR3)'. The 'Client for currency conversion' is 'IP\_BW\_CLIENT'. The 'Source Currency' is 'LOC\_CURRNCY'. The 'Target Currency' is 'CC\_TGT\_CURRENCY'. The 'Exchange Type' is 'IP\_EXCH\_RATE'. The 'Conversion Date' is 'CC\_CURRCONVDT'. The 'Exchange Rate' is empty. The 'Data Type' is 'DECIMAL' with a length of 17 and a scale of 2. The 'Upon Conversion Failure' is set to 'Set to NULL'.

- It has been defined that the currency rate date used for the conversion is the last day of the last period of the range Period From and Period To selected by the user on the query. This business rule is taken in charge through the calculated column CC\_CURRCONDT, its calculation rules depends of an Input Parameter which allows to manage the date calculation method.

#### Edit Calculated Column

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

The screenshot shows the 'Edit Calculated Column' dialog box. The 'Name' is 'CC\_CURRCONVDT'. The 'Data Type' is 'DATE'. The 'Expression' is 'if('\$\$IP\_CURR\_DT\_RULES\$' = 'LASTDAYLASTPERIOD','LASTDAYLASTPERIOD',now())'. The 'Validate Syntax' checkbox is checked.

## Unit Conversion

- Currency and unit conversion are processed into the semantic layer of calculation views connected to the composite provider.

The screenshot displays the SAP BW calculation view editor for a calculation view named 'COMPO\_SOLVAY WBD@WBD (CBIANCO)'. The left pane shows a hierarchical semantic layer diagram with nodes for aggregation, format data, and various data sources. The right pane shows a 'Details' table with columns for Type, Key, Name, Label, Aggregation, Variable, Semantic Type, and Label Color.

Type	Key	Name	Label	Aggregation	Variable	Semantic Type	Label Color
		C.RES..C.RESP.C..					
		C.RES..C.RESP.C..					
		C.RES..C.RESP.C..					
		C.RES..C.RESP.C..					
		CC.P..CC.PRG..					
		CC.S..CC.SRW..					
		CK.YG..CK.TOT.C..		Sum		Amount with Currency Code	
		LASTD..LASTDAY..					
		CC.C..CC.CURP..					
		CC.BL..CC.TRE..				Currency Code	
		CC.EX..CC.EXCH..					
		CC.C..CC.CAIV..					
		CC.C..CC.CAL..					
		CC.C..CC.CAL..					
		CK.L..CK.LOC..		Sum		Amount with Currency Code	
		CK.YG..CK.TOT.C..		Sum		Amount with Currency Code	
		CC.FSOP..CC.FSOP..					
		CC.SP..CC.SPEC..					
		BIC..BIC.C.P..					
		BIC..BIC.C.P..					
		BIC..BIC.C.P..					
		BIC..BIC.C.P..					
		BIC..BIC.C.P..					
		BIC..BIC.C.P..					
		BIC..BIC.C.P..					
		BIC..BIC.C.P..					
		BIC..BIC.C.L..					
		BIC..BIC.C.B..					
		C.TEC..C.TEC..					
		CC.FL..CC.FLOW..				Currency Code	
		IBODC..					
		CK.DE..		Sum		Amount with Currency Code	
		CK.DE..		Sum		Amount with Currency Code	
		CK.C..		Sum		Amount with Currency Code	
		RET..BIC.K.G..		Sum			



Unit :

## Characteristics

**Rows**

- [C\_COMPKDE] Company Code
- [C\_CTSBPKG] Cost Sub Package
- [C\_CTPKG] Cost Package
- [C\_CTMCPKG] Cost Macro Package
- [0CURRENCY] Local Currency
- [0DOC\_CURRCY] Document currency
- [4CPCOCT02-TGT\_CURR] Target Currency

**Free**

- [0ITEM\_NUM] Number of line item within accounting document
- [C\_PABELNR] COPA doc number
- [C\_PAPOSNR] COPA item number
- [C\_CUSTID] Customer number
- [C\_SHIPID] Ship-to party
  - [C\_CORPGR] Ship-To Group (CRM-GKA)
- [C\_SOLDID] Sold-to party
- [0DOC\_NUMBER] Sales document
- [0S\_ORD\_ITEM] Sales document item
- [C\_CTOFLOW] Origin Flow
- [C\_CTPKGS] Package Derivation Source
- [4CPCOCT02-CURRCONVDT] Currency Conversion Date
- [0RTYPE] Currency Conversion Exchange Rate
- [0CO\_AREA] Controlling area
- [4CPCOCT02-CURTYPE] Currency Type
- [C\_COSTCTR] Cost Center
- [0G\_UVVA01] Un Qty invoice
- [C\_RESP\_CC] Resp. CC
- [0DB\_CR\_IND] Sender/Receiver Indicator
- [0CALMONTH] Calendar Year/Month
- [0CALQUARTER] Calendar Year/Quarter
- [0CALYEAR] Calendar Year
- [0FISCPER] Fiscal Period
- [0FISCVARNT] Fiscal Variant
- [0LOGSYS] SysLog
- [C\_MATNR2] Material
- [C\_MAT\_GRP] PO - Material Group
- [C\_VENDID] Vendor
- [C\_CTDOMAI] Master Purch. Domain
- [C\_CTSEGT] Master Purch.Segment
- [0VTSTAT] Statistics indicator for value type
- [0CHRT\_ACCTS] Chart of Account
- [0GL\_ACCOUNT] GL Account
- [C\_VENDID\_C\_DOMAIN] Vendor - Purch. Domain

## Cells

## Conditions

Condition Name	Active By default	Key Figure (Structure)	Operator	Value	Characteristic Assignment

## Exceptions

Exception Name	Active By default	Alert Level	Operator	Value	Other parameters (if different from default)
	Yes/No				