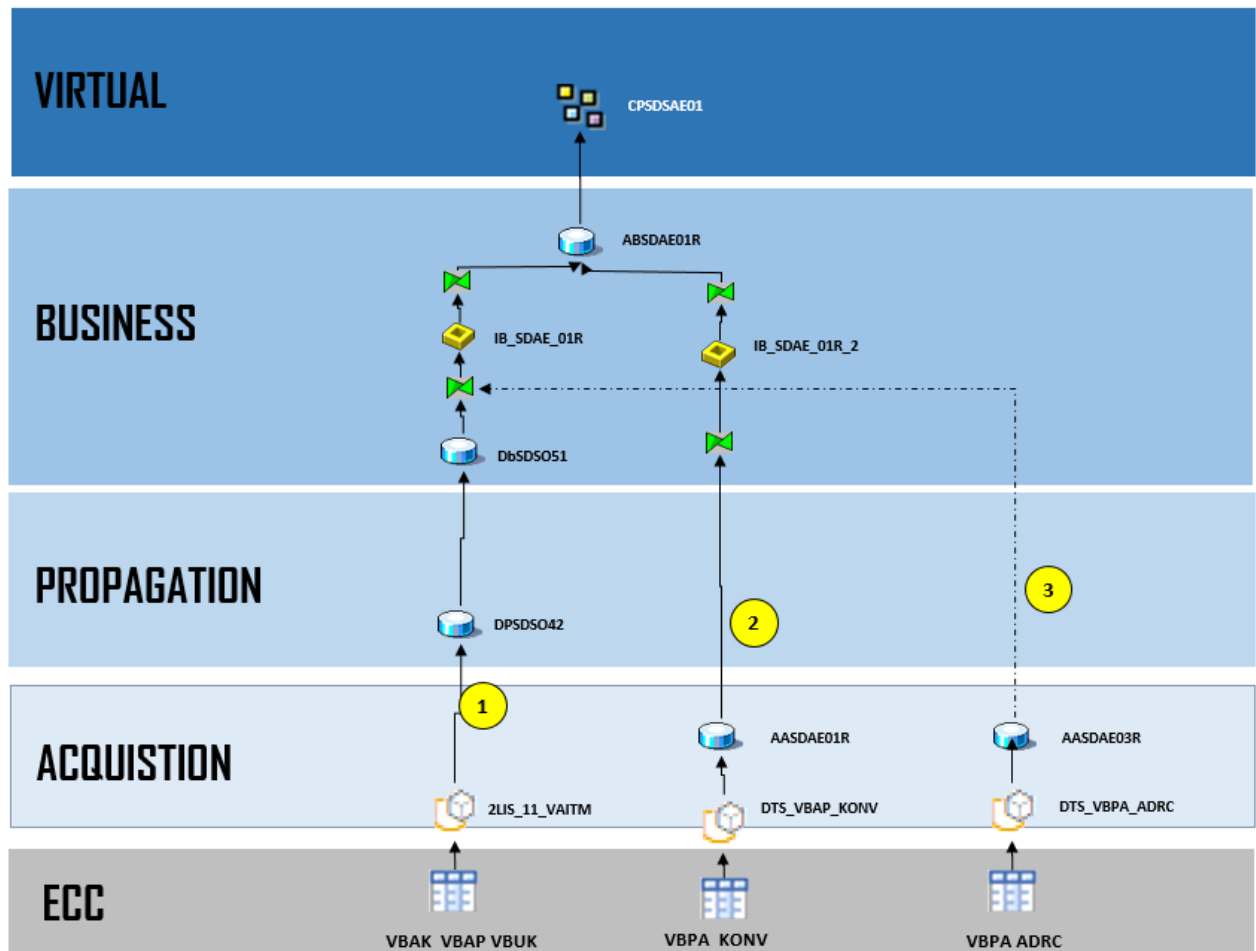


Concept model



1) Added the characteristics Price group (0PRICE_GRP) and Document Date (Quotation) (0DOC_DATE) into existent DSOs DPSSDSO42 (Propagation layer – Sales Document Item Data (Rhodia)) and DBSDSO51 (Business layer - SO Global: Sales Document Item Data (Rhodia)).

The source are, respectively, the fields KONDA and AUDAT.

By the business ADSO, ABSDAE01R, are possible to filter only sales category B (Quote) and to threat the Unit Price by lookup in the condition table and to establish the Net value in USD based on the document date tax.

2) Combined data from VBPA (Partner table and KONV structure to generate a new datasource and ADSO in the acquisition layer based on fields.

The main purposes of this step is get the conditions price ZPRE and PR00 to be part of the formula of Unit price.

This DSO does part of cross check process to ensure the key figure to be filled according to the delta process.

3) Combined data from VBPA (Partner table) and ADRC (Address) to get real description from “One Time Customers”.

Master data



3) Reuse the dataflow for Doc number to get the quote status in the GBSTK field from VBUK. Create a new infoobject C_GBSTK

Query

Prompts

Field description	Source Table	Source Field	BW Infoobject	Filter
Quotation month	VBAK	AUDAT	0CALMONTH	Interval Optional
Validity period from	VBAK	ANGDT	0QUOT_FROM	Interval Optional
Validity period to	VBAK	BNDDT	0QUOT_TO	Interval Optional
Customer code ('sold to')	VBAK	KUNNR	C_CUST_UC	Selection option Optional
Customer code ('ship to')	VBPA	KUNNR	C_SHIPTID	Selection option Optional
Customer account group	KNA1	KTOKD	0ACCNT_GRP	Selection option Optional
Plant	VBAP	WERKS	C_PLANT	Selection option Optional
Price Group	VBKD	KONDA	0PRICE_GRP	Selection option Optional
Division	VBAK	SPART	C_DIVISN	Selection option Optional
Sales organization	VBAK	VKORG	C_SAL_ORG	Selection option Optional
Material	VBAP	MATNR	C_MATNR2	Selection option Optional
Reason for rejection of quotations	VBAP	ABGRU	C_REASREJ	Selection option Optional
Sales Office	VBAK	VKBUR	C_SAL_OFF	Selection option Optional
Company Code	VBAK	BUKRS	C_COMPCDE	Selection option Optional Authorization Relevance
Authorization Scope	VBAK	BUKRS	C_COMPCDE__C_AUTHMA	Selection option Optional Authorization Relevance
Group of activities			0G_CWWE01__CP_FCTR2_2	Selection option Optional
GBU			CPFCTR1_2	Selection option Optional Authorization Relevance

Query

Columns			
View Field	Associated Object		
[SLOGSYS] Source System	[SLOGSYS]	[C_SPECLOIN] Spec long description	[DCML_OR_QTY] Quote quantity
[C_DOCNUMB] Quote document	[C_DOCNUMB]	[C_FWDAGID] Forward Agent (Core)	[DSALES_UNIT] Sales unit
[C_ZIPART] CSR		[C_VLPARTN] Service Agent FCA	[C_REASRE] Reason for rejection of quotations and sales
[C_GBSTK] Quote status of document		[C_V3PARTN] Consignee	[C_SOLDID] Sold-to party
[C_ITM_SD] Quote line	[C_ITM_SD]	[C_V4PARTN] Notify 1	[BACCNT_GRP] Customer account group
[OSTS_ITM] Order Line Incompletion Flag		[C_V5PARTN] Notify 2	[C_SAL_GRP] Sales account manager
[C_ITMSTS] Overall status (order line)		[C_FGRSWC] Whole Number Required Flag	[C_SAL_OFF] Sales Office
[C_CDTE2] Order Line Creation date		[AASDAE01] AASDAE01	[C_SAL_GRP] Quote Creation Month/Year
[DDOC_NUM] PO Number		[K_MATUP] Material Unit Price	[OCALMONTH] Net Value (USD)
[C_PO_ITM] PO Item		[BLOC_CURR] Local currency	[ONETVALORD] Currency key
[C_LASTGI] Last ATP GI date		[DBSDSO51] DBSDSO51	[C_COMPDE] Company code
[C_DELBLK2] Order Line Delivery Block		[DDOC_DATE] Document Date	[C_AUTHMA] Authorization Scope
[C_CUSTPO2] Customer PO		[C_CUSTPO2] Customer quote ref	[C_CWWE01] Sub-activity
[C_CUSTMAT] Customer material		[C_REFDOC] Reference document	[CPFCSTR_2] BFC Group of activities
[C_LSTRREQ] Customer Last Req. Delivery date		[BQUOT_FROM] Validity period from	[CPFCSTR_2] BFC GBU
[C_LSTRQGI] Last Requested GI date		[BQUOT_TO] Validity period to	[C_INCOTRM] Incoterms part (Core)
[C_ITMCAT] Item category		[C_SHIPTO] Ship-to party (Core)	[C_INCOTRM2] Incoterms part 2 (Core)
[C_NSPCREQ] Non Spec Required		[DCOUNTRY] Ship-to Country	[C_PMNTRM2] Payment Term (LFM2)
[C_DPAS] DPAS		[C_PLANT] Plant	[C_DOCTYP2] Order document type
[C_CNTRNB] Contract nb		[C_CUSTGR] Program	[C_DISTCHN] Distribution Channel
[C_STRFLAG] Strategic Flag		[OPRICE_GRP] Price Group	[C_ROUTE] Route (core)
[C_ALTSHP] Alternative Shipping Cond		[C_DIVISN] Division	[C_SHIPCD2] Shipping conditions (core)
[C_SHPCLND] Shipping Calendar		[C_SAL_ORG] Sales Organization	[OSTS_ITM] General incompletion status of the item
[C_CSTSEG] Customer Segment		[C_MATNR2] Material	
[C_OTDLT] Quoted Lead Time		[C_MATPNT2] Material Plant	
[C_LDTCSCL] Lead Time Customer Contract		[C_MATPNT2] Material Plant	
[C_SPECLIS] Spec ID		[C_MATPNT2] Material Plant	
[C_DIVGRP] Delivery Group		[C_MATPNT2] Material Plant	
[C_CSTPITM] Customer PO item		[C_MATPNT2] Material Plant	
[C_ZSPARTN] End-User		[C_MATPNT2] Material Plant	
		[K_MATUP] Material Unit Price	
		[BLOC_CURR] Local currency	
		[DDOC_DATE] Document Date	
		[C_CUSTPO2] Customer quote ref	
		[C_REFDOC] Reference document	
		[BQUOT_FROM] Validity period from	
		[BQUOT_TO] Validity period to	
		[C_SHIPTO] Ship-to party (Core)	
		[DCOUNTRY] Ship-to Country	
		[C_PLANT] Plant	
		[C_CUSTGR] Program	
		[OPRICE_GRP] Price Group	
		[C_DIVISN] Division	
		[C_SAL_ORG] Sales Organization	
		[C_MATNR2] Material	
		[C_MATPNT2] Material Plant	
		[C_MATPNT2] Material Plant	
		[C_MATPNT2] Material Plant	
		[ONET_PRICE] Net price	
		[BLOC_CURR] Local currency	
		[ONET_VALUE] Net value of the order item	

The link below allows to check the metadata repository from development system:

http://wbdsapr3.ibm.be.solvay.com:8048/sap/bc/webdynpro/sap/rso_metadata_repository?sap-language=E&objvers=A&tlogo=HCPR&objnm=CPSDAE01#

Query

KPIs

Quote quantity

BW infoobject CML_OR_QTY (confirmation order) coming from DSO DBSDSO51 based on VBAP-KWMENG.

In the query is also available using unit conversion QCT_MATNR4 (Quantity conversion based on material) according to the prompt choose, the key figure is hide but can be shown.

NET Value Item

BW infoobject 0NET_VALUE coming from DSO DBSDSO51 based on VBAP-NETWR.

In the query is also available using currency conversion CTK_OBAS7 (OBAS- Prompt transfers value (type M) according to the prompt choose.

NET Value Item (USD)

BW infoobject 0NET_VALUE coming from DSO DBSDSO51 based on VBAP-NETWR, but with the conversion by function module CONVERT_TO_LOCAL_CURRENCY passing local currency 'USD', type of rate 'M' and the document date.

Unit price

The Price/UoM for ZPRE OR PR00 (KONV-KSCHL) price should check

if the KONV-KMEIN (currency) = VBAP-VRKME (currency sales unit):

Case KONV-WAERS (currency) equal 'USD4/EUR4/GBP4':

Divide KONV-KBETR (amount) by 100

fetch the KONV-KBETR (amount),

Else.

KONV-KWERT (tot amount) divide by VBAP-KWMENG (quantity).

Price per unit of measure

Where VBAK-KNUMV (Doc condition) = KONV-KNUMV

and VBAP-POSNR (item) = KONV-KPOSN

and VBAP-PSTYV (Ctg.) = ZKIT

and KONV-KSCHL (type) = ZPRE OR PR00

KONV- KBETR (amount) / KONV- KPEIN (unit price).

Result of Extraction of DataSource 2LIS_11_VAITM

Sales Document	Item SaTy	Item Category	Net price	Net value	Net weight
20000070	10 QT	ZKIT	5,000,00	100,000,00	0
20000070	11 QT	ZTTP	5,00	40,000,00	8,000
20000070	12 QT	ZTTP	5,00	60,000,00	12,000
20000070	20 QT	ZKIT	3,100,00	15,500,00	0
20000070	21 QT	ZTTP	4,43	13,290,00	3,000
20000070	22 QT	ZTTP	4,42	2,210,00	500

Display Quotation 20000070: Overview

Quotation	20000070	Net value	115.500,00	USD
Sold-To Party	2027625	KC GLOBAL SALES LLC / KNOXVILLE TN 37950-9099		
Ship-To Party	2027625	KC GLOBAL SALES LLC / KNOXVILLE TN 37950-9099		
Purch. Order No.	Sri test BOM	PO Date	30.04.2019	

Req. deliv.date: 01.05.2019 Deliver Plant: Valid to: 25.10.2019

Valid from: 30.04.2019 Total Weight: 23.912,500 KG

Complete div. Pricing Date: 09.05.2019

Total amount: 115.500,00 Doc. Currency: USD / 1,00000

Payment terms: 0004 30 days Incoterms: FPD Origin

Order reason: Sales area: US32 / 0B / 75 Composites Materials, Aerospace, Composites Mat Ref

Item	Material	Order Quantity	Un	S	Description	Amount	Crcy	UoM	INC
10	1867812	20	UN	✓	Sales BOM - KIT	5,000,00	USD	UN	ZK
11	154041	8,000	KG	✓	TEST CUSTO AERO - TCO	0,00	USD	KG	ZT
12	154043	12,000	KG	✓	CYCOM® 949 STRUCTURAL PREPREG	0,00	USD	KG	ZT
20	1844423	5	UN	✓	Sales BOM - KIT 2	3,100,00	USD	UN	ZK
21	14949	3,000	KG	✓	DAPCO 2200 2.5 OZ.	0,00	USD	KG	ZT
22	19059	500	KG	✓	SUPERSOL FPT 180KG METAL DRUM	0,00	USD	KG	ZT

Process Chain

SDAE: TD - D - Solstice quote (PC_SD_AE_01)

