

BW - New object at Sales Order line level

- General presentation
 - Objective of the application
 - Dataflow overview

General presentation

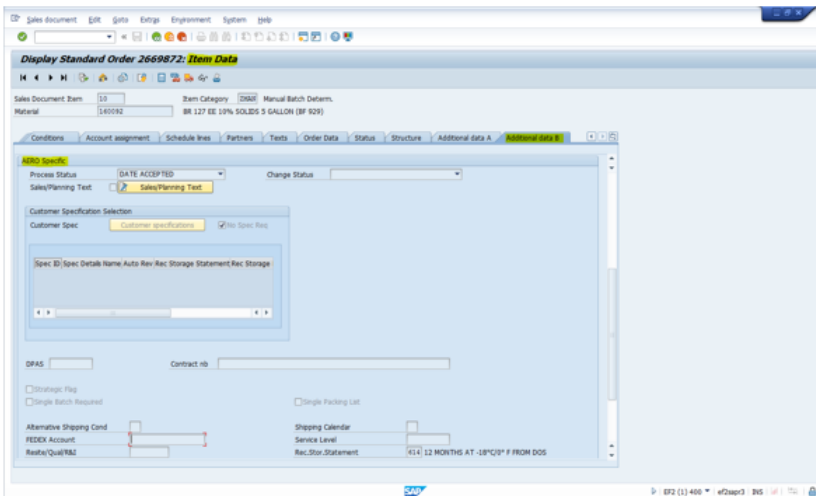
Objective of the application

New object at Sales Order line level.

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Dataflow overview

Aero Specific fields for the Sales Order Item location:



New extractor "DTS_BW_AERO_VBAP - Aero Additional B" created to extract the Aero Specific data from the Sales Order Item in the Additional Data B tab:

Sales and Distribution	SD
Sales Master Data	SD-IO
Billing Doc. Header Data	2LIS_13_VDHDR
Customer	2LIS_01_S001
Delivery Header Data	2LIS_12_VCHDR
SD- Quotation	2LIS_01_S264
Sales Document Header Status	2LIS_11_VASTH
Sales-Shipping Allocation Item Data	2LIS_11_V_ITM
Sales-Shipping Allocation Schedule	2LIS_11_V_SCL
Sales-Shipping Schedule Line Del	2LIS_12_VCSCS
Shipment Costs at Item Level	2LIS_08TRFKP
Shipping point	2LIS_01_S005
Aero Additional B	DTS_BW_AERO_VBAP

Fields regarding this development:

Display DataSource DTS_BW_AERO_VBAP(EF2_400)

DataSource: DTS_BW_AERO_VBAP Aero Additional B
 Source System: EF2_400 EF2 Client 400
 Version: Active
 Active Version: Executable Edited Version

General Info Extraction Fields

Pos.	Field	Descript.	D...	T...	Data type	Length	Decl...	Ext...	C...	K...	Con...	Format	SS ...	cur/unit	S... Sel. Opts	Field Type
1	VBELN	Sales Docu.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	CHAR	10	0	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inter- ALPHA			X 0	
2	POSNR	Item	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	NUMC	6	0	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inter- -			0	
3	ERDAT	Created On	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	DATS	8	0	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inter- -			X 0	
4	AEDAT	Changed On	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	DATS	8	0	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inter- -			X 0	
5	ZZ_FB_STATUS	Process Stat.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	CHAR	40	0	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inter- -			0	
6	ZZ_CR_STATUS	Change Stat.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	CHAR	40	0	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inter- -			0	
7	ZZ_POSPEC	Char01	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	CHAR	1	0	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inter- -			0	
8	ZZ_DBSL1	DPSL1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	CHAR	10	0	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inter- -			0	
9	ZZ_DBSL2	Text (200 c.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	CHAR	200	0	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inter- -			0	
10	ZZ_STRAT_FLG	Char01	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	CHAR	1	0	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inter- -			0	
11	ZZ_SINGLE_FB	Char01	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	CHAR	1	0	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inter- -			0	
12	ZZ_SINGLE_FL	Char01	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	CHAR	1	0	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inter- -			0	
13	ZZ_VSRSD	Alternative	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	CHAR	2	0	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inter- -			0	
14	ZZ_KHFAK	Shipping Cal.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	CHAR	2	0	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inter- -			0	
15	ZZ_FEDEX	FEDEX Acco.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	CHAR	200	0	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inter- -			0	
16	ZZ_SERV_LEV	Service Level	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	CHAR	10	0	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inter- -			0	
17	ZZ_RGR1	Restrk/Qual	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	CHAR	10	0	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inter- -			0	
18	ZZ_REC_STAT	Rec.Stor.St.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	CHAR	3	0	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inter- -			0	
19	ZZ_CUST_SEG	Customer S.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	CHAR	2	0	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inter- -			0	
20	ZZ_PLAN_STATUS	Special Req.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	CHAR	10	0	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inter- -			0	
21	ZZ_QUOT_LEADTIME	Quoted Lea.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	CHAR	200	0	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inter- -			0	
22	ZZ_CUST_LEADTIME	Lead Time c.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	CHAR	200	0	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inter- -			0	

The data extracted will be stored in the DSO "DPSDSO56 - Sales Document Header/Item Data Active docs (Rhodia)" and then loaded to the attributes from the characteristic "C_ITM_SD - Sales document item":

InfoObject	C_ITM_SD
Sales document item	C_ITM_SD
Sales document item (Attributes)	ATTRIBUTES C_ITM_SD
TRSF: C_ITM_SD -> C_ITM_SD	0603DNRTIA7XQOY1X16Q3QPBT5T809OJ
TRSF: DBSDSO08 -> C_ITM_SD (Solway)	0D1HERWVYTSJGDCLXP33T3LDU2B1LG2
TRSF: DBSDSO11 -> C_ITM_SD (Solway)	069EFS TLXGD2PAVZRE72KXZ29FJQB4JL
TRSF: DBSDSO12 -> C_ITM_SD (Solway)	01PDJPL7W0F35TK4S2YJ728G TNQ4FOV
TRSF: DBSDSO48 -> C_ITM_SD (Rhodia)	0MN6T6B4F2W3JOT7YYRUXC6NE3P91DKX
TRSF: DBSDSO51 -> C_ITM_SD (Rhodia)	040FUJ68T6VFQGR3WVU965R5GVPFK0L
TRSF: DBSDSO52 -> C_ITM_SD (Rhodia)	0DAKHEIHVIYNUPGN2R2Z57YE7L9ZKGHK
TRSF: DPSDSO16 -> C_ITM_SD (Solway)	04TA3ZE004CGL4YUJK3H21FRNKSLF5BM
TRSF: DPSDSO56 -> C_ITM_SD (Rhodia)	0MTTPDYBUBR4WAUHSXHRN0I0NDGOGAH7
Sales Document Header/Item Data Active docs (Rhodia)	DPSDSO56
RSDS DTS_BW_AERO_VBAP EF2_400 -> ODSO DPSDSO56	03EBWRU6HE0QJCW05BOSW1K4TFSQT8S3
TRSF: DTS_BW_VBAK_VBAP -> DPSDSO56 (Rhodia)	0MKJNSNT7XQCQECKOUZ7L81C3JINESAI3
Data Transfer Processes	DPSDSO56
DTP: DTS_BW_AERO_VBAP / W01_110 -> DPSDSO56 (Rhodia)	DTP_B1FNYSDNTMCTE05GYAM9ZIBRQ
DTP: DTS_BW_VBAK_VBAP -> DPSDSO56 - Delta (Rhodia)	DTP_AKL1L2RFQCV0VNN0Q747MJKLB
DTP: DTS_BW_VBAK_VBAP -> DPSDSO56 - delta (Rhodia)	DTP_AKL1L2RFQCV0PHY30UWES0GI

The data is also loaded from "C_ITM_SD - Sales document item" to "C_ITM_GS - Order Line (SO+PO)":

InfoObject	C_ITM_GS
Order Line (SO+PO)	C_ITM_GS
Order Line (SO+PO) (Attributes)	ATTRIBUTES C_ITM_GS
ADSO APSDSO38 -> IOBJ C_ITM_GS (Rhodia)	0C5S3PW6R3B4FIH6VD35RUK4V6FTVOO
ADSO APSDSO78 -> IOBJ C_ITM_GS (Solway)	0SEUHF8YVOEXT0A0V70BRES8LUT29Q1H
TRSF: DBSDSO70 -> C_ITM_GS (Rhodia)	02RN5MIMU6PDGJGTDYMYJ84I8UWH816O
TRSF: C_ITM_SD -> C_ITM_GS (Solway&Rhodia)	0NRV8ESN06W3PV4UC3F1PB4W3C1H3JCV

Once data is available in those InfoObjects, they could be retrieved in all the OTC reports through attributes exhibition:

Source	Ship to country	Order Line	Change Status	Single Batch Require	Lead Time Customer C
logical system WP1	USA	70216335/10	#	#	#
		70216336/10	#	#	#
		70216344/10	#	#	#
Overall Result					

Analysis

Columns

- [C]CALMONTH Calendar Year/Month [D]YEA_MCH YearMonth
- [C]LOGSTP Source
- [C]SHPCTRY Ship to country
- USA
- [C]JTM_OS Order Line
- Attributes
 - [C]CH_STS Change Status
 - [C]SBRPLG Single Batch Require
 - [C]JTFCSG Lead Time Customer C
 - [C]NSPORS Non Spec Required

Source	Ship to country	Order Line	Change Status	Single Batch Require	Lead Time Customer C
logical system WP1	USA	70216335/10	#	#	#
		70216336/10	#	#	#
		70216344/10	#	#	#
Overall Result					

Analysis

Columns

- [C]CALMONTH Calendar Year/Month [D]YEA_MCH YearMonth
- [C]LOGSTP Source
- USA
- [C]JTM_OS Order Line
- Attributes
 - [C]CH_STS Change Status
 - [C]SBRPLG Single Batch Require
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Source	Ship to country	Order Line	Change Status	Single Batch Require	Lead Time Customer C
logical system WP1	USA	70216335/10	#	#	#
		70216336/10	#	#	#
		70216344/10	#	#	#
Overall Result					

Analysis

Columns

- [C]CALMONTH Calendar Year/Month [D]YEA_MCH YearMonth
- [C]LOGSTP Source
- USA
- [C]JTM_OS Order Line
- Attributes
 - [C]CH_STS Change Status
 - [C]SBRPLG Single Batch Require
 - [C]JTFCSG Lead Time Customer C
 - [C]NSPORS Non Spec Required

Extractor "DTS_BW_AERO_VBAP - Aero Additional B" is based on a custom function module:

Display DataSource for Trans. Data: DTS_BW_AERO_VBAP

Generic Delta

DataSource: DTS_BW_AERO_VBAP

Applic. Component: SD

Data Reconciliation:

Object Status: Saved

Texts

Short description	Aero Additional B
Medium description	Aero Additional B
Long description	Aero Additional B

Extraction from DB View

View/Table:

ExtractStruct.:

Extraction from SAP Query

InfoSet:

Extraction by Function Module

Function Module	ZFM_BW_AERO_VBAP
Extract.Struct.	ZSTR_BW_AERO_VBAP

The source table is VBAP, which was enhanced with the Aero specific fields:

```
133 SELECT vbapln
134         pmatr
135         ecdat
136         andat
137         xx_pp_status
138         xx_oh_status
139         xx_schgrn
140         xx_gbnat
141         xx_gbnat2
142         xx_mstat_flg
143         xx_single_pp
144         xx_single_pp1
145         xx_vbnep
146         xx_wrfak
147         xx_fmnea
148         xx_mvsv_sev
149         xx_fgt1
150         xx_mvz_pmat
151         xx_cmat_ppp
152         xx_pmat_status
153         xx_cmat_leadtime
154         xx_cupf_leadtime
155         xx_mstat_planning_text
156         xx_production_text
157         xx_quality_text
158         xx_shipping_text
159         xx_ppco_detail
160 FROM vbap
161 INTO TABLE lt_vbap
162 WHERE vbapln IS NOT NULL AND
163        andat IS NOT NULL AND
164        ecdat IS NOT NULL.
```

Reporting documentation drive folder:

<https://drive.google.com/drive/u/0/folders/1-7jbV-hDDyd8BqUFk6MJgHXvzfiLyCo0>