

Technical Document - Historical Data (PO+SO)

- 1 [Access Management](#)
- 2 [Data flow](#)
 - 2.1 [Overview](#)
 - 2.2 [Reporting](#)
- 3 [Data loading](#)
- 4 [Data Quality Controls](#)
- 5 [Operational Documentation](#)
 - 5.1 [Procedures](#)
 - 5.2 [Scheduling](#)
 - 5.3 [Monitoring](#)
 - 5.4 [Error Handling](#)
 - 5.5 [Known Bugs](#)
 - 5.6 [Roadmap](#)

Access Management

Roles & Access

Role Code	Role Description	Explanation
ZBI_RCS_SD_A01	Application role for Global Sales project / SD data / Orderbook	Role for the application
ZR_RCS_CA_M49	SD - Sales and Distribution	Role menu for the application

Authorization Objects

List of authorization objects mandatory for the application.

Authorization object	Explanation
CPFCTR1_2	GBU
C_COMPCDE	Legal company
C_SAL_OF	Sales office

WARNING: For the PO part the notion of sales offices doesn't exist. The restriction in sales offices will not be considered for the reports PO and PO+SO.

Data flow

Overview

The data flow is based on the LSA method. The data visualization is done on the MultiProviders MVSDSO56 (Global Sales: Historical data (SO+PO)) and MVSDSO57 (Global Sales: Historical data JUMP (PO+SO)).

Global Sales data layers:

- Propagation Layer
- Business Layer
- Reporting Layer
- Virtual Layer

See the [data flow](#) of the MultiProvider MVSDSO56 (MP: Global PO (Global Sales)) generated from Performer Suite.

See the [data flow](#) of the MultiProvider MVSDSO57 (Global Sales: Historical data JUMP (PO+SO)) generated from Performer Suite.

Propagation layer

The propagation layer is same than for Historical data sales order and Historical data transfers orders

Business layer

List of InfoProviders used in the business layer:

DSO tech. name	DSO description	source DSO tech. name	source DSO description
DBSDSO90	Global sales: Delivery (PO+SO) (Rhodia)	DBSDSO54	SO Global: Deliveries (Rhodia)
		DBSDSO69	PO Global: Transfers orders delivery (Rhodia)
DBSDSO9N	Global sales: Delivery (PO+SO) (Solvay)	DBSDSO14	SO Global: Deliveries (Solvay)
		DBSDSO29	PO Global: Transfers orders delivery (Solvay)
DBSDSO9Q	Global sales: Invoice (PO+SO) (Rhodia)	DBSDSO46	SO Global: Invoices (Rhodia)
		DBSDSO67	PO: Transfers orders Invoices (Rhodia)
DBSDSO9P	Global sales: Invoice (PO+SO) (Solvay)	DBSDSO06	SO Global: Invoices (Solvay)
		DBSDSO27	PO: Transfers orders Invoices (Solvay)
DBSDSO9M	Global sales: Order line (PO+SO) (Rhodia)	DBSDSO51	SO Global: Sales Document Item Data (Rhodia)
		DBSDSO70	PO: Order line Transfers orders (Rhodia)
DBSDSO9L	Global sales: Order line (PO+SO) (Solvay)	DBSDSO11	SO Global: Sales Document Item Data (Solvay)
		DBSDSO30	PO: Order line Transfers orders (Solvay)

Reporting layer

List of infoproviders used in the reporting layer:

CUBE tech. name	CUBE description	source CUBE tech. name	source CUBE description
CRSDSO58	Global Sales: Delivery (PO+SO) (Rhodia)	DBSDSO90	Global sales: Delivery (PO+SO) (Rhodia)
CRSDSO56	Global Sales: Delivery (PO+SO) (Solvay)	DBSDSO9N	Global sales: Delivery (PO+SO) (Solvay)
CRSDSO60	Global Sales: Invoice aggregated (PO+SO) (Rhodia)	DBSDSO9Q	Global sales: Invoice (PO+SO) (Rhodia)
CRSDSO59	Global Sales: Invoice aggregated (PO+SO) (Solvay)	DBSDSO9P	Global sales: Invoice (PO+SO) (Solvay)
CRSDSO55	Global Sales: Order line (PO+SO) (Rhodia)	DBSDSO9M	Global sales: Order line (PO+SO) (Rhodia)
CRSDSO49	Global Sales: Order line (PO+SO) (Solvay)	DBSDSO9L	Global sales: Order line (PO+SO) (Solvay)
CRSDTR03	TR Rep: Shipment Costs (Rhodia)	DBSDTR03	TR Bus: Shipment Costs (Rhodia)
CRSDTR23	TR Rep: Shipment Costs (Solvay)	DBSDTR23	TR Bus: Shipment Costs (Solvay)

Virtual layer

List of InfoProviders used in the virtual layer:

MP tech. name	MP description	source CUBE tech. name	source CUBE description
MVSDSO56	Global Sales: Historical data (SO+PO)	CRSDSO58	Global Sales: Delivery (PO+SO) (Rhodia)
		CRSDSO56	Global Sales: Delivery (PO+SO) (Solvay)
		CRSDSO60	Global Sales: Invoice aggregated (PO+SO) (Rhodia)
		CRSDSO59	Global Sales: Invoice aggregated (PO+SO) (Solvay)
		CRSDSO55	Global Sales: Order line (PO+SO) (Rhodia)
		CRSDSO49	Global Sales: Order line (PO+SO) (Solvay)
		CRSDTR03	TR Rep: Shipment Costs (Rhodia)
		CRSDTR23	TR Rep: Shipment Costs (Solvay)

MVSDSO57	Global Sales: Historical data JUMP (PO+SO)	DBSDSO9O DBSDSO9N DBSDSO9Q DBSDSO9P DBSDSO9M DBSDSO9L	Global sales: Delivery (PO+SO) (Rhodia) Global sales: Delivery (PO+SO) (Solvay) Global sales: Invoice (PO+SO) (Rhodia) Global sales: Invoice (PO+SO) (Solvay) Global sales: Order line (PO+SO) (Rhodia) Global sales: Order line (PO+SO) (Solvay)
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Reporting

Workbook		Query	
Historical Data : Deliveries SO/PO (Detailed)	BW_WBK_MVSDSO57_0002	BW - Deliveries details SO&PO (core query)	BW_QRY_MVSDSO57_0002
Historical Data: Invoices Document Flow by creation date (SO+PO)	BW_WBK_MVSDSO57_0005	BW - Invoices document flow details SO&PO (core query)	BW_QRY_MVSDSO57_0005
Historical Data: Invoices SO/PO (Detailed)	BW_WBK_MVSDSO57_0001	BW - Invoices details SO&PO (core query)	BW_QRY_MVSDSO57_0001
Historical Data: Orders SO/PO (Detailed)	BW_WBK_MVSDSO57_0003	BW - Orders details SO&PO (core query)	BW_QRY_MVSDSO57_0003
Historical Data: Invoices vs Transport. Costs (SO/PO)	BW_WBK_MVSDSO56_0007	Historical Data: Invoices vs Transp.Costs SO/PO (core query)	BW_QRY_MVSDSO56_0007
Historical Data: Sales & Purchase deliveries	BW_WBK_MVSDSO56_0001	Historical Data: Deliveries SO/PO (core query)	BW_QRY_MVSDSO56_0001
Historical Data: Sales & Purchase invoices	BW_WBK_MVSDSO56_0003	Historical Data: Invoices SO/PO (core query)	BW_QRY_MVSDSO56_0003
Historical Data: Sales & Purchase orders	BW_WBK_MVSDSO56_0003	Historical Data: Orders SO/PO (core query)	BW_QRY_MVSDSO56_0002
Historical Data: Sales & Purchase overview	BW_WBK_MVSDSO56_0004	Historical Data: Sales & Purchase Overview (core query)	BW_QRY_MVSDSO56_0004

Data loading

Main Process Chain	Final Info Provider	Frequency	Start Time	Duration
PC_GLOBAL_SALES_MAIN	CRSDSO41, 42...	Daily	~1:30am CET	~3.5h
PC_SD_MAIN	CRSDSO01, 02...	Daily	~2:00am CET	~1h
PC_GL_SALES_MAIN_PO	CRSDSO51, 52...	Daily	~6:00am CET	~1h
PC_OBAS_TRANSFERS_MAIN	CRSDSO11, 12...	Daily	~6:00am CET	~0.5h

Data Quality Controls

Data comes from SAP system. To compare data between BW and sources systems, check propagation layers.

Operational Documentation

Procedures

<Describe the recurring procedures needed to operate the application (eg. start/pause/terminate/restart the app processes, data preparation, data ingestion, ETL, data visualization, data export, other manual activities)>

Scheduling

<Describe the scheduling in place for the application (eg. existing jobs, trigger time/event based, dependencies)>

Monitoring

<Describe the monitoring checks to confirm the application is performing well (eg. check the overall status, check performance metrics like runtime /data volume/memory/disk/CPU, maintain and react to alerts/notifications)>

Error Handling

<Describe how to handle errors (eg. error codes, description and respective resolution, alert users)>

Known Bugs

<List the existing bugs, its criticality, workarounds and resolution plan.>

Roadmap

<List past & future evolutions for the application (including links to MED/FSD/TSD)>