

BW Global - RCS Performance KPI

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General presentation

Objective of the application

https://drive.google.com/drive/folders/1uBvCrqBuF57HeWpXoH3bZMmlmz_FJTkO

Usage information

Statistics by infoproviders :

	Calendar Year/Month	JAN 2016	FEB 2016	MAR 2016	APR 2016	MAY 2016	JUN 2016	Overall Result
InfoProviders Used		Query Access Counter	Query Access Counter	Query Access Counter	Query Access Counter	Query Access Counter	Query Access Counter	Query Access Counter
Overall Result		512	489	553	483	479	505	3 021
MPRO/A /MPR_PM004	WBP_400/MPRO/A /MPR_PM004	267	252	288	253	264	273	1 597
MPRO/A /MPR_PP02	RCS PP KPI MultiProv	64	62	74	48	48	60	356
MPRO/A /MPR_QM	MPR_QM	35	35	41	35	35	37	218
MPRO/A /MVEHKP01	WBP_400/MPRO/A /MVEHKP01	10	10		40	44	44	148
MPRO/A /MPR_FP	F&P MultiProvider	22	20	23	38	22	22	147
MPRO/A /MPR_OTC	OTC MultiProvider	23	27	24	21	22	25	142
MPRO/A /MPR_P2P01	P2P KPI	22	20	34	21	22	22	141
MPRO/A /MPR_COA	MPR_COA	20	20	35	21	22	22	140
MPRO/A /MPR_EHS01	WBP_400/MPRO/A /MPR_EHS01	26	20	23	6	0		75
MPRO/A /MPR_FA	FA MultiProvider	23	23	11		0		57

Statistics by queries :

	Calendar Year/Month	JAN 2016	FEB 2016	MAR 2016	APR 2016	MAY 2016	JUN 2016	Overall Result
Query		Query Access Counter	Query Access Counter	Query Access Counter	Query Access Counter	Query Access Counter	Query Access Counter	Query Access Counter
Overall Result		512	489	553	483	479	505	3 021
ELEM/A /BW_QRY_MPR_PM004_QVRC SKPI_0000	RCS PM KPI - Raw Data for Qlikview (Core Query)	240	240	276	253	264	273	1 546
ELEM/A /BW_QRY_MPR_PP02_QVRCS KPI_0000	RCS PP KPI - Raw Data for Qlikview (Core Query)	48	48	60	48	48	60	312
ELEM/A /BW_QRY_MPR_COA_QVRCSK PI_0001	RCS QM KPI - Coa First Time (QV)	20	20	35	21	22	22	140
ELEM/A /BW_QRY_MPR_FP_QVRCSKPI _0000	RCS F&P KPI - Raw Data for Qlikview (Core Query)	20	20	23	29	22	22	136
ELEM/A /BW_QRY_MPR_QM_QVRCSKPI _0000	RCS QM KPI - Raw Data for Qlikview (Core Query)	20	22	24	22	22	24	134
ELEM/A /BW_QRY_MPR_P2P01_QVRC SKPI_0000	RCS P2P KPI - % PR created via MRP (Core)	20	20	29	21	22	22	134
ELEM/A /BW_QRY_MPR_OTC_QVRCSK PI_0000	RCS OTC KPI - Raw Data for Qlikview (Core Query)	20	20	23	21	22	25	131
ELEM/A /BW_QRY_MVEHKP01_QVRCS KPI_0001	RCS EHS KPI - Synthesis for Qlikview (Core)		1		40	44	44	129
ELEM/A /BW_QRY_MPR_EHS01_QVRC SKPI_0000	RCS EHS KPI - Synthesis for Qlikview (Core Query)	20	20	23	6			69
ELEM/A /BW_QRY_MPR_FA_RBS_0001	RCS FA KPI - Manual adjust in CO-PA (Doc type =Z) (Core)	20	23	6				49
ELEM/A /BW_QRY_MPR_QM_0001	RCS QM KPI - Synthesis (Core)	9	7	8	7	7	7	45
ELEM/A /BW_QRY_MPR_PP02_0001	RCS PP KPI - Synthesis (Core)	12	10	10		0		32
ELEM/A /BW_QRY_MPR_PM004_0001	RCS PM KPI - Synthesis (Core)	10	8	8		0	0	26
ELEM/A /BW_QRY_MPR_PM004_0004	RCS PM KPI - Nr Orders CRTD and REL (Core)	11	1	1			0	13
ELEM/A /BW_QRY_MPR_FP_0001	RCS F&P KPI: Synthesis (Core)	2			9	0		11
ELEM/A /BW_QRY_MPR_QM_0004	RCS QM KPI - Cancelled Lots (Core)	1	1	3	1	1	1	8
ELEM/A /BW_QRY_MPR_QM_0003	RCS QM KPI - Lots Waiting for UD (Core)	1	1	2	1	1	1	7
ELEM/A /BW_QRY_MVEHKP01_0001	RCS EHS KPI - Synthesis (Core)	4	3					7
ELEM/A /BW_QRY_MPR_FA_0001	RCS FA KPI - Manual adjust in CO-PA (Doc type =Z) (Core)	1		5				6
ELEM/A /BW_QRY_MPR_QM_0002	RCS QM KPI - Automatically Created 89 Lot (Core)	1	1	1	1	1	1	6
ELEM/A /BW_QRY_MPR_QM_0005	RCS QM KPI - Average Delay for UD (Core)	1	1	1	1	1	1	6
ELEM/A /BW_QRY_MPR_QM_0006	RCS QM KPI - Lot with Incorrect Valuation (Core)	1	1	1	1	1	1	6
ELEM/A /BW_QRY_MPR_QM_0007	RCS QM KPI - Lot Long Term with No UD (Core)	1	1	1	1	1	1	6
ELEM/A /BW_QRY_MPR_PM004_0002	RCS PM KPI - % Orders with Equipment (Core)	4	1	1			0	6
ELEM/A /BW_QRY_MPR_OTC_0002	RCS OTC KPI - Delivery (Core)		5	0				5
ELEM/A /BW_QRY_MPR_P2P01_0002	RCS P2P KPI - % PR created via MRP (Core)			5				5
ELEM/A /BW_QRY_MVEHKP01_0002	RCS EHS KPI - Nb of product without composition (Core)	2	2					4
ELEM/A /BW_QRY_MVEHKP01_0003	RCS EHS KPI - Nb of product with composition at 100% (Core)	2	2					4
ELEM/A /BW_QRY_MVEHKP01_0004	RCS EHS KPI - Nb of Materials without DG Master Data (Core)	2	2					4

ELEM/A /BW_QRY_MPR_OTC_0004	RCS OTC KPI - Sales Order Using Qty and Fixed Date (Core)	1	2	0				3
ELEM/A /BW_QRY_MPR_EHS01_0000	RCS EHS KPI - Synthesis (Core)	3		0		0		3
ELEM/A /BW_QRY_MPR_PM004_0003	RCS PM KPI - % Orders with MP (Core)	1	1	1			0	3
ELEM/A /BW_QRY_MPR_PM004_0005	RCS PM KPI - % Notifications with Item (Core)	1	1	1			0	3
ELEM/A /BW_QRY_MPR_PP02_0002	RCS PP KPI - Process Orders in the past (Core)	1	1	1		0		3
ELEM/A /BW_QRY_MPR_PP02_0003	RCS PP KPI - Planned Orders in the past (Core)	1	1	1				3
ELEM/A /BW_QRY_MPR_PP02_0004	RCS PP KPI - Total Production Orders in the past (Core)	1	1	1				3
ELEM/A /BW_QRY_MPR_PP02_0005	RCS PP KPI - COGI (Core)	1	1	1				3
ELEM/A /BW_QRY_MPR_FA_0003	RCS FA KPI - Synthesis (Core)	2				0		2
ELEM/A /BW_QRY_MPR_OTC_0001	RCS OTC KPI - Synthesis (Core)	2		0		0		2
ELEM/A /BW_QRY_MPR_P2P01_0001	RCS P2P KPI - Synthesis (Core)	2				0		2
ELEM/A /BW_QRY_MPR_OTC_0003	RCS OTC KPI - Shipment (Core)			1				1
ELEM/A /BW_QRY_MPR_EHS01_0002	RCS EHS KPI - Nb of product with composition at 100% (Core)	1		0				1
ELEM/A /BW_QRY_MPR_EHS01_0001	RCS EHS KPI - Nb of product without composition (Core)	1		0				1
ELEM/A /BW_QRY_MPR_EHS01_0003	RCS EHS KPI - Nb of Materials without DG Master Data (Core)	1		0				1
ELEM/A /BW_QRY_MPR_FP_0003	RCS F&P KPI: % of obsolete combinations (Core)					0		0
ELEM/A /BW_QRY_MPR_FP_0002	RCS F&P KPI: % of volume with sales forecasts (Core)					0		0
ELEM/A /BW_QRY_MPR_FP_0004	RCS F&P KPI: SOIP Process (Core)					0		0

The BW RCS KPI application is more used as source of QV dashboard.

History

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
ZBI_RCS_KPI_A02	Key Performance Indicator - KPI - End User Role	Applications
ZR_RCS_CA_M29	KPI - Key Performance Indicator	Menus

Authorization objects

List of autorisation objects mandatory for the application.

Authorization object	Explanation
No authorization object	



Dataflow overview

Reporting documentation

<https://drive.google.com/drive/folders/11ulxohbwMPcsRv6ATP3PJH8hhwBEASwn>

dataflow overview :

<https://drive.google.com/drive/folders/1YQP-V88LgeilVuSJaZYekvw-UsmNyYqn>

Functional and Technical rules on Workbench + Reporting

Rules & Explanations

Dependencies with other applications

Data loadings

Info providers and objects loaded

Loading frequency

Weekly loadings.

Average performance

Key Figure	Estimation
~ Average Process Chain Runtime	
~ Average nb of rows loaded per load	
~ Total nb of rows loaded (if full)	
~ Average Runtime for 10k lines	

Record Keeping

Reporting

Queries End User Documentation

<https://wiki.solvay.com/pages/viewpage.action?pageId=3932719>

Main queries

Main functionalities

Broadcast

2 process chains exist for KPI broadcast but no more used since last year or more.

BD_KPI_5 Broadcast KPI - 5th working day of month

BD_KPI_11 Broadcast KPI - 11th working day of month

Maintenance

Known bugs

Recurring procedure

Planned Evolution

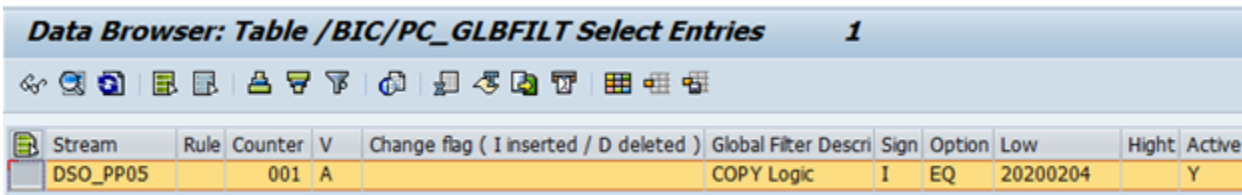
3744382- We have a data issue on field **No of Process Orders (Last 12 months) (A)** on the query **BW_QRY_MPR_PP02_QVRCCKPI_0000** since the month August 2019.

Issue: No Process Orders (Last 12 months) key figure value showing less values from 08.2019. Reason for this is Full DTP changed to Delta by mistake in ODS_PP01 -> DSO_PP05

Solution:

- Created Copy DSO(ADSO_PP05) based on DSO_PP05 and Created transformations between ADSO_PP05 DSO_PP05 && DSO_PP05-->ADSO_PP05
- There is no mapping of CALDAY between DSO_PP05-->ADSO_PP05 and CALDAY mapping will be between ADSO_PP05 DSO_PP05

Maintain global filter and Transformation end routine between ADSO ADSO_PP05 -> ODSO DSO_PP05



Data Browser: Table /BIC/PC_GLBFILT Select Entries 1

Stream	Rule	Counter	V	Change flag (I inserted / D deleted)	Global Filter Descri	Sign	Option	Low	Hight	Active
DSO_PP05		001	A		COPY Logic	I	EQ	20200204		Y

```
DATA: lv_date(60) TYPE C.
SELECT SINGLE /BIC/C_LOW FROM /BIC/PC_GLBFILT
      INTO lv_date
      where /bic/c_stream = 'DSO_PP05'
      AND /bic/c_glbfilt = '001'
      AND /bic/c_active = 'Y'.
IF sy-subrc EQ 0 AND lv_date IS NOT INITIAL.
  LOOP AT RESULT_PACKAGE ASSIGNING <RESULT_FIELDS>.
    <RESULT_FIELDS>-CALDAY = lv_date+0(8).
  ENDLOOP.
ENDIF.
```

- DSO_PP05 does not keep RECORDMODE. We have hard coded K_COUNTER as '1' one in transformations ADSO_PP05 ->DSO_PP05
- Loaded data of 7.08.2019 and 13.08.2019 from DSO_PP05-->ADSO_PP05. When loading data reverse from ADSO_PP05 DSO_PP05 read CALDAY from global filter as 13.08.2019.
- Next again loaded data of 20.08.2019 to DSO_PP05-->ADSO_PP05 and when do the load back again from ADSO_PP05 DSO_PP05 read CALENDAR day of 20.8.2019 from global filter.
- We have to repeat these steps all the dates.
- Transport need to move after Monday (weekly load) to production and data loads should complete before next week.
- Data deletion and reload required in CUB_PP03 from three underlying DSO's from 08.2019.
- Process chain - RCS_PP_KPI transported, because not possible to convert Delta DTP to Full DTP in DSO_PP05 (Chain - RCS_PP_KPI). Replaced Delta DTP with new Full DTP in process chain RCS_PP_KPI and transported from Dev to Production
- In future if transformations changes between ODS_PP01 -> DSO_PP05, reading global filter if it is not set, get the system date

```

Data: LV_DATE1(60) Type C.
CLEAR: LV_DATE1.
SELECT SINGLE /BIC/C_LOW FROM /BIC/PC_GLBFILT
      INTO LV_DATE1
      where /bic/c_stream = 'ODS_PP01'
      AND /bic/c_glbfilt = '001'
      AND /bic/c_active = 'Y'.
IF sy-subrc EQ 0 AND LV_DATE1 IS NOT INITIAL.
  RESULT = LV_DATE1+0(8).
else.
  RESULT = SY-DATUM.
ENDIF.

```