

Changes in MVPMCL01 and MVPMNO02 Multi providers flow

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General presentation

Objective of the application

The application loads data of the Plant Maintenance domain from ECC into BW. It takes every week snapshots based on the current state of the data to calculate the KPI. The snapshots are loaded into a Qlikview dashboard.

Main documentation:

- [Dataflow Architecture](#)
- [Monitoring Procedure \(with already known issues\)](#)
- [List of Jobs in ECC and Process Chains in BW](#)
- [List of BEx Core Reports](#)
- [Functional Administrator Guide for BW \(for setting tables\)](#)
- [Functional Guide for KPI](#)

Usage information

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- Célia GONZALEZ-ROUX (SBS Information Services) : Reporting Coordinator
- Raphaël BERT (SBS Information Services) : IT Project Leader
- Christophe MALLEVAEY (SBS Information Services) : PM Process Expert
- Gilles BOUNAN (SBS Information Services) : Qlikview Technical Developer
- Benoit ROSSET (SBS Information Services) : BW Technical Developpe

History

1) As part of Ticket-4391573, we have the Changed the logic of Key figure - "Nb of Notif. In Progress with Delay" in BW reports of the KPI 2.05 and KPI KPI 3.3

2)As part of Ticket-3579153, added actual hours ,Planned Hours and Completion Dates of the Work Order (Date 6CMP, Date CLSD, Date CNF, Date GS45, Date GS50, Date GS55, Reference Date and Date TECO) in _MVPMCL01 flow

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

Authorization objects

List of autorisation objects mandatory for the application.

Authorization object	Explanation

Dataflow overview

Reporting documentation drive folder:

<https://drive.google.com/drive/folders/0B0qn89R0RGdqYkZZOFZyYXIXVke>

Exemple of dataflow overview :

[Template Application name DataFlow](#)

Functional and Technical rules on Workbench + Reporting

Rules & Explanations

1) Changed the existing logic of Key figure - "Nb of Notif. In Progress with Delay" in BW reports of the KPI 2.05 and KPI KPI 3.3

Existing logic - KPI 2.05	If Required end date is exists and < snapshot week first day date then, Notification delay = Snapshot week first day date minus Required end date.
New Logic- KPI- 2.05 (#4391579 - 24 Jul 2020)	If Required end date is exists and < snapshot date then, Notification delay = snapshot date (loading date) minus Required end date
Existing logic - KPI 3.3	If Due date is exists and < snapshot week first day date then, Notification delay = Snapshot week first day date minus Due Date
New logic - KPI 3.3 (#4391579 - 24 Jul 2020)	If Due date is exists and < snapshot date then, Notification delay = snapshot date (loading date) minus Due date

For this ,we have done changes at Method level : zbw_pm_mecano_utils=>calculate_notification_delay of the Transformations of the MVPMMNO02 and MVPML01 flow

```

* UC- 4000024728
"Take current date as Snapshot date
"calculate_notification_delay

v_snapshot_date = sy-datum.
if i_v_requested_date is not initial and i_v_requested_date < v_snapshot_date.
    e_v_notification_delay = v_snapshot_date - i_v_requested_date.
endif.
endmethod.
* Endof UC-4000024728

```

We have done changes in the following transformations

PM: Notification Detailed Data (SnapShot)	MVPMNO02
PM: Notification (SnapShot) - Rhodia	DBPMNO04
TRSF: ODSO DBPMNO04 -> ODSO DBPMNO04 (Dimension 1)	0DSCVXKREL2V0FSYXQ453LAYOVM4D8H
TRSF: TRCS IB_PMNO_02 -> ODSO DBPMNO04	03EZU5HU78DR3ME567GUTDD289W18ZCY
TRSF: TRCS IB_PMNO_04 -> ODSO DBPMNO04	013B80LC8YRVA0FJWAL6ME0FL6PB57YE
Data Transfer Processes	DBPMNO04
PM: Notification (SnapShot) - Solvay	DBPMNO03
TRSF: ODSO DBPMNO03 -> ODSO DBPMNO03 (Dimension 1)	0168ML9QWJDJY76AEGBF08I4UW6XI4JS
TRSF: TRCS IB_PMNO_01 -> ODSO DBPMNO03	0DR0Z678V86MU0J653DIQPMH8F2TQEIN
TRSF: TRCS IB_PMNO_03 -> ODSO DBPMNO03	0RVBX6RZ8JOGM0DBW0DNJLJ755S7OS34

PM: Maintenance Plan Calls (Snapshot)	MVPMCL01
PM: Maintenance Plan Calls (Snapshot) - Rhodia	CRPMCL01
TRSF: ODSO DBPMCL03 -> CUBE CRPMCL01	05S0TGZRW766ZG6CQC660NZ434O6JWPZ
PM: Maintenance Plan Calls (Snapshot) - Rhodia	DBPMCL03
TRSF: ODSO DBPMCL03 -> ODSO DBPMCL03	0P5E95DEMREIJWYUKAHOBBS8MYA0Q6
TRSF: TRCS IB_PMCL_01 -> ODSO DBPMCL03	0EH7MR6UQH23JPQWMN6SHJRUSIR1V2ZU
TRSF: TRCS IB_PMCL_03 -> ODSO DBPMCL03	03ROKAH12QV6IRS8M0DCE6OYHMSNU859
TRCS: Mecano - Calls Weekly Snapshot - KPI 3.3 (IB_PMCL_03)	IB_PMCL_03
TRSF: ODSO DBPMCL01 -> TRCS IB_PMCL_03	0DYOM008DTW24RAIDLEZLTGC0QKM80QK
TRSF: TRCS IB_PMCL_06 -> ODSO DBPMCL03	0PF916BXDP5M5L9BYXUKSWY3YTFY1PEF
Data Transfer Processes	DBPMCL03
Data Transfer Processes	CRPMCL01
PM: Maintenance Plan Calls (Snapshot) - Solvay	CRPMCL02
TRSF: ODSO DBPMCL04 -> CUBE CRPMCL02	05WKJQCKDKNMGVAN0XH4G33FFO08E9KL
PM: Maintenance Plan Calls (Snapshot) - Solvay	DBPMCL04
TRSF: ODSO DBPMCL04 -> ODSO DBPMCL04	0BN8DG44Q7KNKLLD5QTEQ2IE1XF7Q0GV
TRSF: TRCS IB_PMCL_02 -> ODSO DBPMCL04	0F4WJCOJ9EFTUG88GJ8Y9YNH3N8FIAE1
TRSF: TRCS IB_PMCL_04 -> ODSO DBPMCL04	03MOIFXP8QUEF034PIX1HA9HEATIZ0FN
TRCS: Mecano - Calls Weekly Snapshot - KPI 3.3 (IB_PMCL_04)	IB_PMCL_04
TRSF: ODSO DBPMCL02 -> TRCS IB_PMCL_04	08IYD0W8Y2LL3N3V2KUCZUTK2HV5XBT2
TRSF: TRCS IB_PMCL_05 -> ODSO DBPMCL04	02ECUIMED35705YCVMB16EPA7M31GVBI

Not required any query level changes for this development
 Impacted query name : **Nb of Notif. In Progress with Delay"**

Bex Queries

KPI 2.5 Queries - BW_QRY_MVPMNO02_0001
KPI 3.3 Queries -BW_QRY_MVPMCL01_0001 & QVMECANO_BW_QRY_MVPMCL01_0001

2)Added actual hours ,Planned Hours and Completion Dates of the Work Order (Date 6CMP, Date CLSD, Date CNF, Date GS45, Date GS50, Date GS55, Reference Date and Date TECO) in _MVPML01 flow

Created self transformations between DBPMCL03 and DBPMCL04 and implemented ABAP logic to populate new fields.

Added 0OPR_PLDWRK,0OPR_PLDWRK,,0PROC_UNIT,C_6CMPDT,C_CLSDDT,C_GS45DT,C_GS50DT,C_GS55DT,C_TECODT,C_CNFDI and C_REFDI Info objects in DBPMCL03,DBPMCL04,CRPMCL01,CRPMCL02 and MVPML01

- a) Populate Actual hours(0OPR_ACTWRK) and Planned hours (0OPR_PLDWRK) from existing DSO's –DPPMOP02 & DPPMCF01 (Solvay) in self transformations of DBPMCL04 based on Maintenance Order(C_PMORDR
- b) Populate Actual hours(0OPR_ACTWRK) and Planned hours (0OPR_PLDWRK) from existing DSO's DPPMOP04 & DPPMCF02(Rhodia) in self transformations of DBPMCL03 based on Maintenance Order(C_PMORDR
- c) Populate completion Dates of the Work Order (Date 6CMP, Date CLSD, Date CNF, Date GS45, Date GS50, Date GS55, Reference Date, Date TECO) from existing DSO - DPPMOR02 in self transformations of DBPMCL03
- d)Populate completion Dates of the Work Order (Date 6CMP, Date CLSD, Date CNF, Date GS45, Date GS50, Date GS55, Reference Date, Date TECO) from existing DSO - DPPMOR01 in self transformations of DBPMCL04

Dependencies with other applications

Data loading

Info providers and objects loaded

Created new DTP's for self loads of DBPMCL03 and DBPMCL04.

Every Monday self loads based on current snapshot week from DBPMCL03 DBPMCL03 and DBPMCL04 DBPMCL04

Loading frequency

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

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Main queries

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