BW - PP - RE - Recipe

General presentation

Objective of the application

The objective of the application is to extract from **SAP Vault source system** Recipe data (operation linked to a ressource, setup time, machine time...).

Then these data are used for the application BW - DPS - Forecast Vs Booking / Component and in the query BW-DP-Labor Planning Tool Interface (Core query).

Tool Leader: Lei Shen

IT leader of the application: Lei Shen (PP), Craig Wanamaker (BW)

Name of project: Solstice

PMO Project: 8612 Solstice AERO

Reporting Coordinator: Lei Shen

Usage information

Number of users: tbd

Critical period: none

Geographical perimeter: worldwide

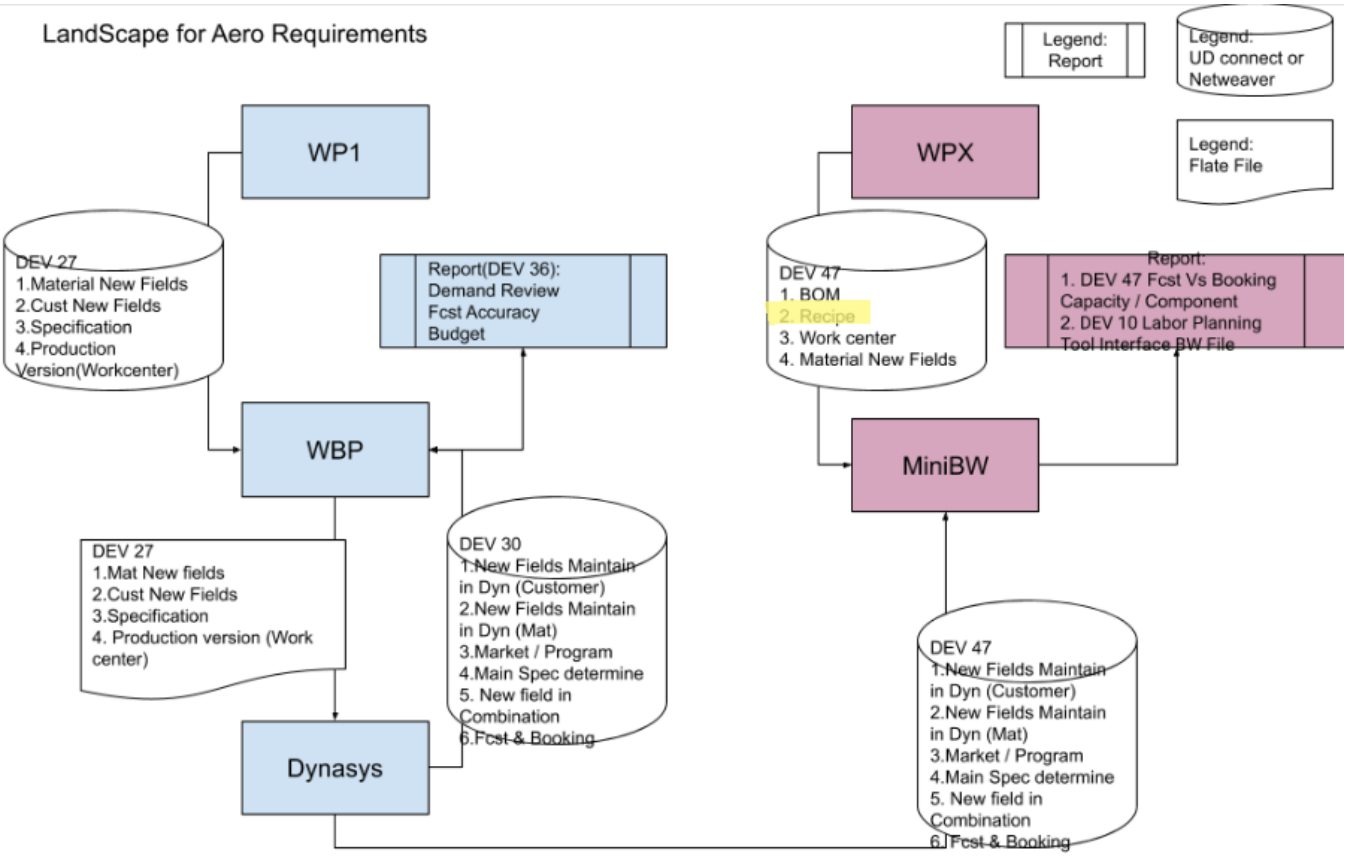
InfoArea:

- BW Repository
  - [IA_RHODIA] RHODIA
  - [IA_SOLVAY] SOLVAY
  - [IA_PP] Production Planning
    - [IA_PP_BO] Bill of Material (BOM)
    - [IA_PP_RE] Recipe
      - [IA_PP_RE_VIRTUAL] Recipe Virtual
      - [IA_PP_RE_BUSINESS] Recipe Business
      - [IA_PP_RE_PROPAGATION] Recipe Propagation
      - [IA_PP_RE_ACQUISITION] Recipe Acquisition
      - [IA_PP_RE_MD] Recipe MasterData

History

This application is linked to the Solstice global project and this specific need was named "DEV47- Other MiniBW request for planning team".

MiniBW (CPX) dedicated platform was created for Aero Requirements about Solstice project.



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/1Y2OmoBqD6VWwpmUPnuiQ6ZFm0hwlPruA

Dataflow overview

Functional and Technical rules on Workbench + Reporting

Rules & Explanations

Specification Document

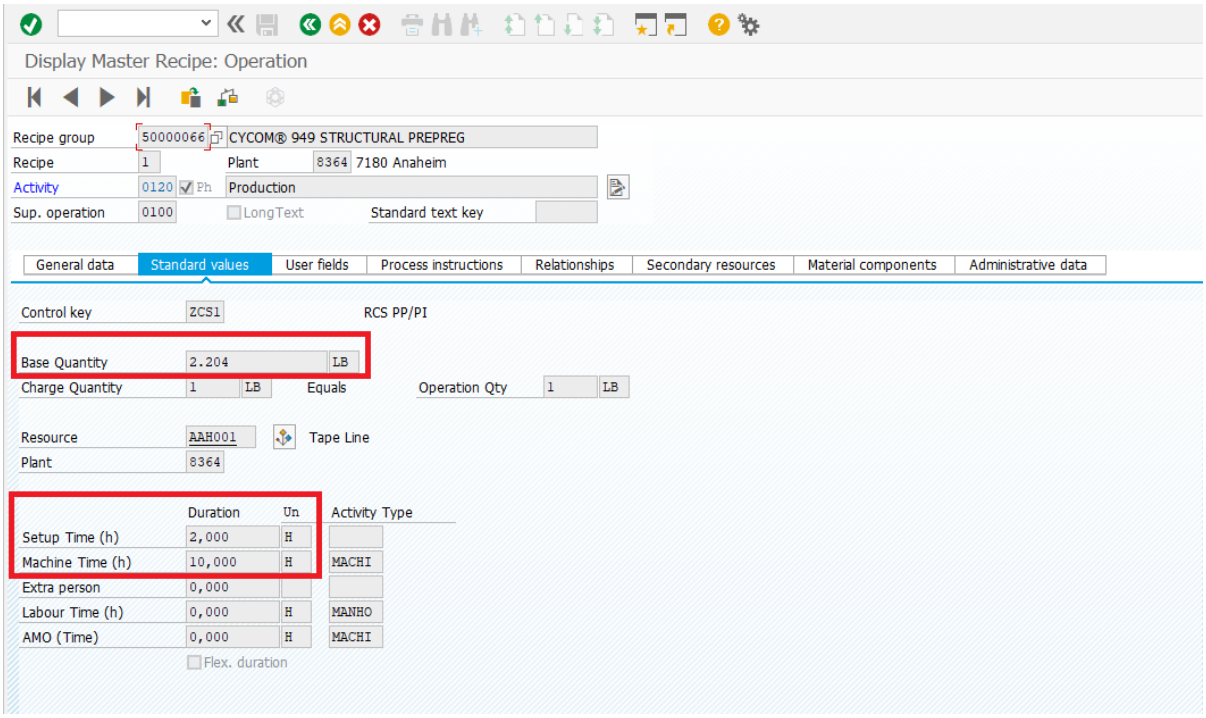
Sheet "Dim_Recipe" :

Key Figures

There are 3 key figures used in this application:

1. Operation Quantity (Recipe Base Quantity)
2. Machine Time
3. Setup Time

SAP T-CODE : C203 to display these key figures on SAP.



They are loaded from SAP Vault source system with the datasource **DTS_ZBW_V_PLPO** (Task list - operation/activity) based on table **PLPO** ans stored in first level ADSO **AAPPRE02.**

BOM component is kept from **STPO** table and added to the datasource structure (join between STPO and PLPO table with PLMZ table).

Recipe Base quantity is converted in Base Unit of Measure of the BOM component previously mentionned.

This conversion is done in class **ZDTS_ZBW_V_PLPO.**

The datasource is configured as **Generic Delta based on specific field AEDAT.**

Data are filtered between acquisition and propagation level on field **Control Key = ZCS3.**

Link Material - Recipe

Key figures previously submitted are linked to a **Recipe Group.** To be used in the aplication BW - DPS - Forecast Vs Booking / Component, we need this information at material level.

To do that we need the link between Material and Recipe group. This link is stored in **MAPL** SAP table.

BW Extractor **DTS_ZBW_V_MAPL** is based on MAPL table. **A join with MKAL table** (Production Version for Material) has been added to filter only on **production version = A001.**

The result of the extraction is stored **in ADSO APPPRE01.**

Dependencies with other applications

Capacity data are used in application BW - DPS - Forecast Vs Booking / Component.

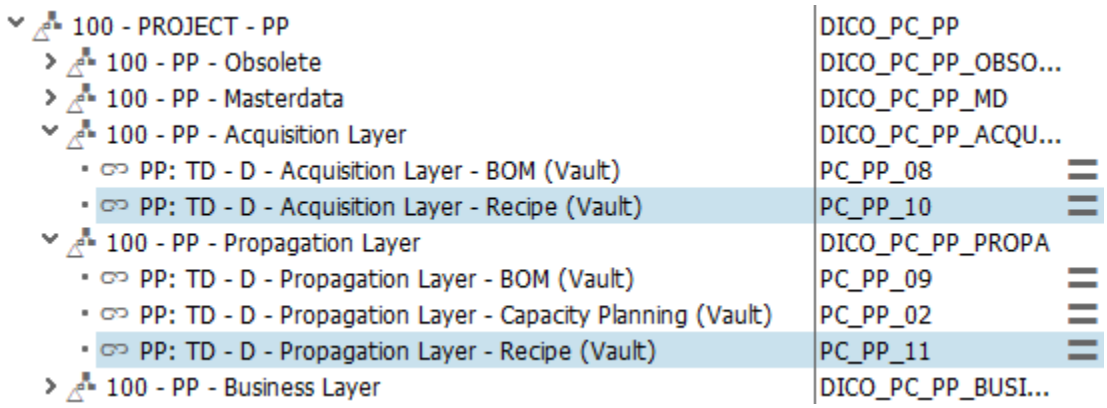
Data loadings

Info providers and objects loaded

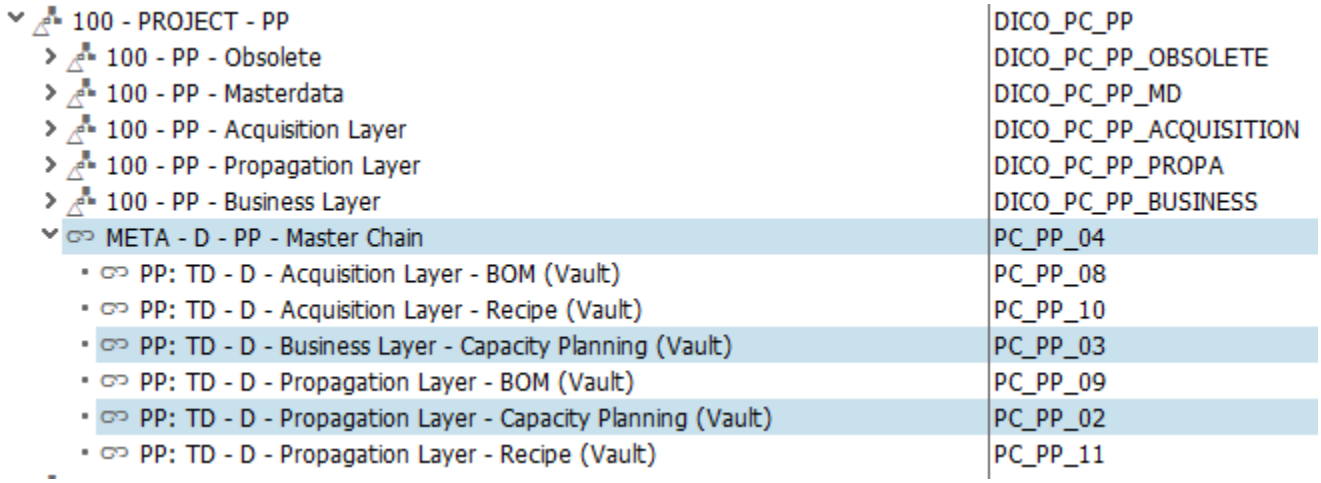
Transactionnal Data

There are 2 process chain :

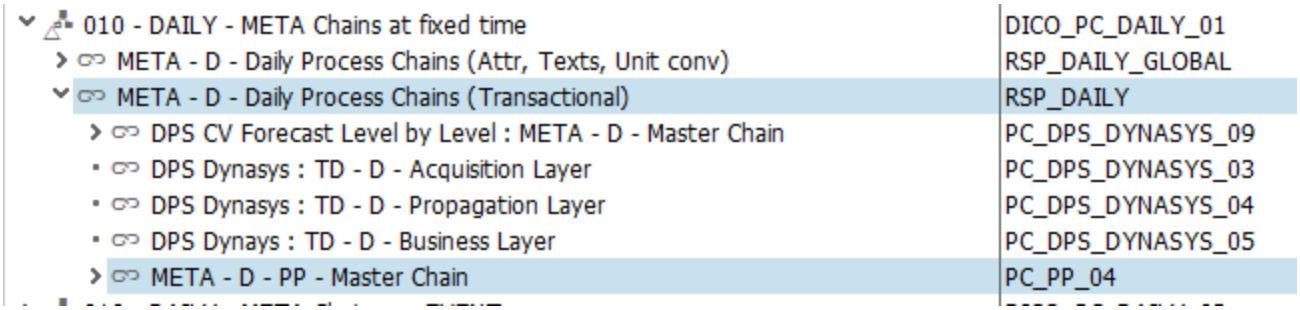
- Acquisition Layer : **PC_PP_08**
- Propagation Layer **: PC_PP_11**



They are part of process chain **PC_PP_04 :**



PC_PP_04 is part of global **RSP_DAILY** :



Loading frequency

Daily loading.

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

Main queries

There is a query BW_QRY_CPPPRE01_0001 (Recipe / ProdVersion / Material Data Reporting) based on composite provider CPPPRE01 (Recipe - Virtual).

This query **was used for testing data** coming from SAP Vault source system **but it is not used and accessible by key users.**

Main functionalities

Broadcast

Maintenance

Known bugs

Recurring procedure

Planned Evolution