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The ODS-schema						
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1) Introduction

The purpose of the ODS schema is to store data from source systems. The data stored in ODS tables are called raw data, because they are raw data from source systems or data which have not been transformed. To identify raw data tables, the prefix RD_ is used as part of the name of the table. The tables in this schema contain a copy of the source systems data files.

When loading a RD-table different checks are made to ensure the quality of the data. For that purpose some extra tables may be useful. E.g. when checking for duplicated rows, all duplicated rows are written to another table than the RD-table. Tables used for checking-purposes use the prefix CD_.

The following diagram shows ODS process flow:
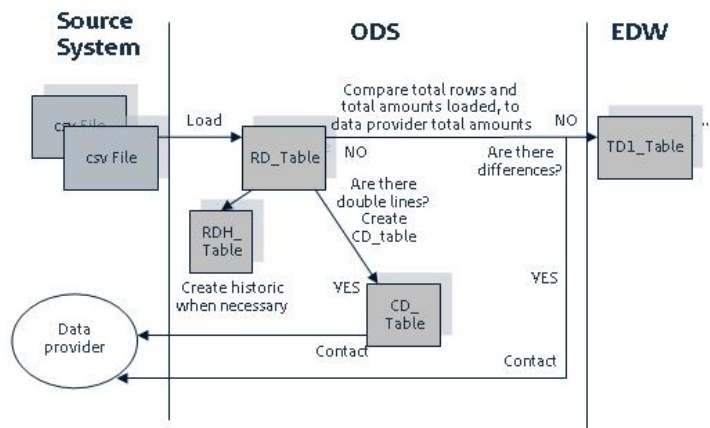
The data in the ods-schema are:

- Organised by system and subject (fx. PDS - Togpersonale).
- Volatile, because when new data is loaded, the old data is truncated.
- Current, because it contains the most updated data from the source systems.

Processes of the ods-schema:

- No major data transformations are made in the ODS schema.
- The periodicity of the loads depend on the source systems data availability, and therefore, the periodicity is defined according to the data availability and business requirements. However, loads are recommended as often as possible, because the data in this schema should represent the current state of operational systems.
- The processes in this schema have the purpose of keeping a copy of the data from the source files/systems.

Data logged in this schema

The most relevant operation in this schema is data loading (from source systems to ODS tables), therefore, all the information regarding data loading is logged in the table etl.Ods_LoaderLog (Notice that this table is defined in the ETL schema).

Every time a data-loader package is executed, the etl.Ods_LoaderLog table is updated to log the information related to the executed data loader. The definition of this table is shown in the document under the title "The ETL schema - Tables - etl.ods_LoaderLog".

2) Prefixes

Prefix	Description
RD_	Table containing "Rå-data" from a sourcesystem or sourcefile
RDH_	Table containing historical "Rå-data"
RDP_	Preliminary table that can be used to store data during load to RD_ and/or RDH_
CD_	Table containing checkdata, e.g. check for doublerows
CTL_	Table containing control-data, e.g. paramaters controlling periods
TD_	Table containing temporary data

5) Tables

5.01) ods.CTL_Dataload

This table contains controldata related to data loaders. For example, this table is used to keep the period which is being loaded per source system. This table allows us to define whatever variable is needed to storage relevant information per source system.

ods.CTL_Dataload table definition:

Variable name	Description	Example	Comment
Kilde_System	Short name of the source system	PDS, APL	Refer to the list in section 1, for a full list of source system short names
Variable	Name of the variable related to the source system, whose value is stored in the following column	Last_Period_Load	
Value	Value corresponding to the variable	200807	**Note: ALL the values must be converted to string, due to the format of the column**

5.03) ods.CTL_ABM_model

This table contains the relationship between model and modelname. It is used in ODS to get the right dataset in the ABM library OEmodels.

Variable name	Description	Examle	Comment
Model	Angivelse af model	I	
Modelnavn	Modelnavn som det fremgår i ABM	IT	Vigtigt - opdateres manuelt
Modelnr	Internt ABM modelnummer	1323	Opdateres i processen
Costelementdata	Datasætnavn på costelement	M1323_CostElement	Opdateres i processen
Accountcenterdata	Datasætnavn på accountcenter	M1323_Accountcenter	Opdateres i processen
Dimensionsdata	Datasætnavn på dimensions	M1323_Dimension	Opdateres i processen
Dimmemberdata	Datasætnavn på Dimmember	M1323_DimMember	Opdateres i processen

Revisioner

Version	Godkendt	Revisions information
1	14.10.2008	
2	11.02.2009	
2.1	26.08.2009	
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