

## SAP BW Content Models

Following the approach of Generic SAP Extractors the data is persistently stored in the aDSO objects of the inbound layer. In specific cases the data can additionally be loaded, transformed and stored in subsequent data layers.

Using Calculation Views and CV Data Models the persistent data layer becomes independent of the virtual HANA Data Modeling layer. The load processes feed the data objects that are linked into the virtual modeling layer and the data can be consumed immediately for reporting. No additional steps are required.

### Approach

Alike the physical data layer concepts a similar approach can be applied for virtual data layer modeling. Starting with an inbound layer and benefit from the passing on of object definition in the subsequent HANA DB layer. The complexity and therefore the support can be reduced and a cooperation in teams become manageable. The approach can be applied as a standard for HANA DB Implementation or adapted to the customer specific needs.

### Go for Calculation Views and CV Data Models

If you decide to use Calculation Views and CV Data Models in combination with Generic Extractors you can benefit from the detachment of data load processing and modeling and gain a high flexibility for data modeling itself. A proposal is to start with small data models and by application area and benefit from the experience and the available objects continuously.

The Calculation Views and Data Models are linked closely to the availability of Generic Extractors and will continuously increase. See some areas below.

Application Area	Tables
FI	BKPF, BSEG, FAGLFLEXA, FAGLFLEXT, ...
MM	EKKO, EKPO, EKBE, RBKP, RSEG, ...
MM Material Movement	MKPF, MSEG, ...
MM Master Data	MARA, MARC, MARD, MVKE, ...
QM	QMEL, QMFE, QMMA, QMUR, QMSM, ...
PP / PM / ...	AUFK, AFKO, AFIH, AFPO, RESP, IHPA, ILOA, ...
PP BOM	STKO, STAS, STPO, STZU, MAST, ...
CO-PC Product Costing	KEKO, CKHS, CKIS, ...
Change Log Data	CDHDR, CDPOS, ...
Classification	TCLA, TCLT, TCLAO, KLAH, KSML, CABN, CAWN, ...
...	...

### Implementation

For the implementation on non SAP BW HANA platforms there are conceptual data model available that show the link and dependency between the different objects. For the SAP BW HANA specific implementation there are Calculation Views (CV) and CV Data Models available. Each customer or even developer is following a different approach but could benefit from the general overview and adapt it to the specific situation.