

A group of four business professionals (three men and one woman) are seated around a table in a modern office setting, smiling and looking towards the right. They are dressed in business attire. A red banner is overlaid on the bottom right of the image.

Explore HANA

CDS Views – Part 2



Recap

1. CDS View
 - ✓ With Parameters
 - ✓ How to consume in ABAP program
 - ✓ See the CDS view data in SE11
 - ✓ With join, calculation and case

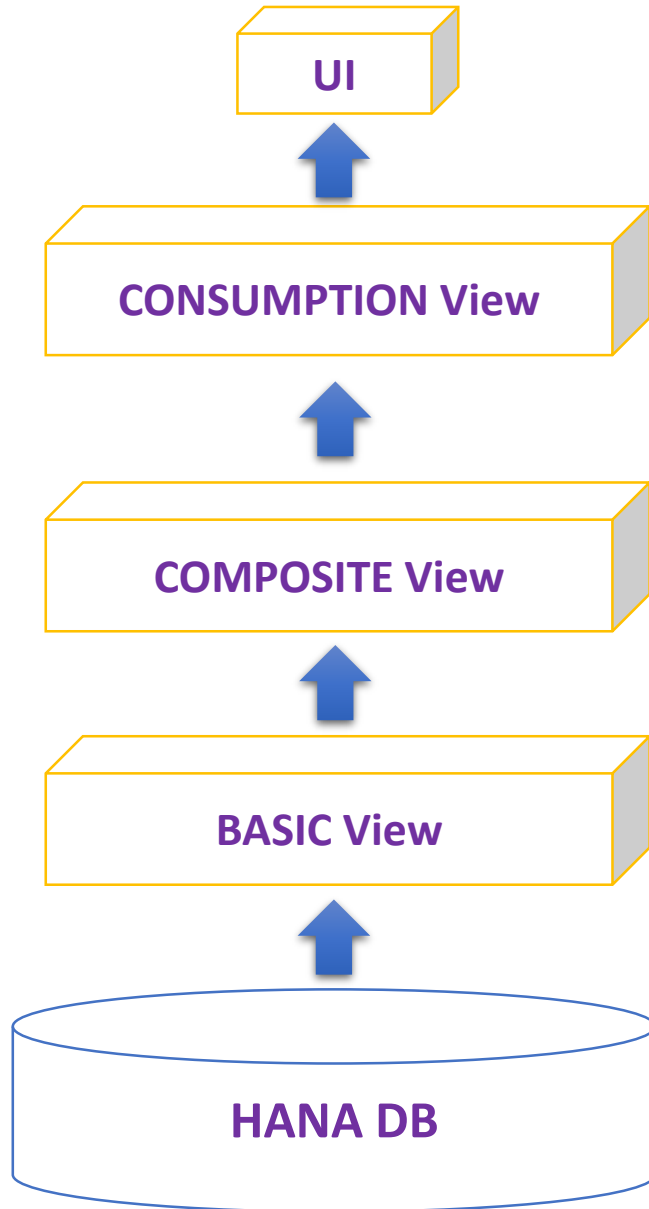
CDS View – Data Category

- CDS Entity – What type of data the CDS view must return?
- BASIC/DIMENSION
 - Master Data - Material, Customer, Vendor and so on
 - Syntax: `@Analytics.dataCategory: #DIMENSION`
- FACT
 - Transaction Data
 - Should not join with Master Data
 - Center of Star Schema
 - Syntax: `@Analytics.dataCategory: #FACT`
- CUBE
 - Like FACT
 - Able to join with Master Data
 - Consumption view built on top of CUBE
 - Syntax: `@Analytics.dataCategory: #CUBE`

CDS View – Virtual Data Model

- VDM is a structured representation of HANA database views which was introduced to be used in SAP HANA Live for SAP Business Suite.
- It provides  to SAP business data using standard SQL or OData requests.
- The VDM exposes the Business Data of an SAP system as an Understandable, Comprehensive and Executable model for consumers in Transactional applications, Analytics, External interfaces fulfilling important product qualities.
- VDM is intended to be  and other functionality which is based on the virtual data model. So, these views can be consumed directly by rich client UIs (such as HTML5, SAP BusinessObjects, and Excel) without any additional software layer.

CDS View – VDM types



- **Consumption View**
 - Created on top of [redacted]
 - Doesn't interact with DB/Basic Views
 - Expose data: UI5, HTML, Excel, BO, Lumira.....
 - Source: Composite View
 - Syntax: `@VDM.Viewtype: #CONSUMPTION`
- **Composite View**
 - Created on top of [redacted]
 - Doesn't interact with DB to fetch data
 - Multiple Basic views can be used
 - Source: Basic View
 - Syntax: `@VDM.Viewtype: #COMPOSITE`
- **Basic View**
 - Created on top of [redacted]/views
 - Interact with DB to fetch data
 - Source: Table/View
 - Syntax: `@VDM.Viewtype: #BASIC`

Thank You

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