

SAP BW 7.5 SP3, SAP HANA SP12, Design Studio v1.6

Noteworthy New Features & Capabilities

SAP recently released SAP BW 7.5 SP3, SAP HANA SP12 and SAP BO Design Studio 1.6. The new version of software provides a rich set of data exploration & analytical capabilities. Below is a list of noteworthy new features and capabilities.

SAP BW 7.5 SP3: in addition to existing SAP BW objects such as Composite Provider, Open ODS View, Advanced DSO, Smart Data Access (aka SDA) features, the new BW 7.5 SP3 version of SAP BW offers further enhanced features for SAP BW on HANA DB and SAP BW on any other DB (Oracle, DB2 DB, etc.).. Below is a list of noteworthy features:

a) Enhanced Advanced DSO: The HANA optimized SAP BW info provider **Advanced DSO info provider supports 120 key fields** which makes it a Game Changer when it comes to complex SAP BW / HANA model and using in planning applications. Further more, the Advanced DSO object from SP3 supports optional SID generation for query performance management. The Advanced DSO info provider replaces the DSO and info cubes. A new migration tool is also provided to convert existing info cubes and DSOs to Advanced DSOs on one-on-one basis. This migration tool thereby enables rapid migration to improve overall reporting and data load performance

b) ODP Data Integration via OData: ODP (operational data provisioning) now fully supports OData protocol with real-time operational data provisioning enabling remote data table access to any external DB data and relational applications (i.e: here's a complex business scenario: with ODP we can now expose an SAP ECC orders table to external application such as Salesforce or vice versa on a real-time basis, etc.)

c) All New Eclipse Based Bex Query Designer: The all new Bex query designer now fully supports existing Bex queries that exist in the production environment. The Bex query designer provides a more intuitive editor with context sensitive help to configure CKFs, RKF's, query structures, etc.. The new Bex query designer also supports Bex query **user exit variables with AIMP** (ABAP Managed Database Procedures) support to enable the best possible performance when BW is run on SAP HANA DB

d) SAP BW Workspace & Workspace Query Designer: The enhanced BW Workspace designer enables business users / power users to create data marts that can consume local data from flat files and other SAP BW info providers together by setting up relationships between data on a self-service basis to generate Advanced DSO objects. The BW Workspaces when configured can be consumed in Workspace Query Designer to create reports and data extract to share with non-SAP / external application report users or applications. The Workspace Designer is used to generate complex data models whereas the new Workspace Designer is used directly to build simple, less complex or lite weight data models or reports or to consume Workspace to generate only the output in general

f) SMQ (Smart Data Quality): The all new SAP Smart Data Quality provides advanced features to write code between data flows originating from SDI (Smart Data Integration) to maintain and ensure data quality. Provides advanced ETL capabilities to manipulate data that is in-transit within HANA database.

And more...

[SAP DESIGN STUDIO v1.6](#)

[Cool New Features](#)

1 – Instant DS 1.6 Dashboards: The Smart Object templates & Ready-To-Run Online Composition Application available in DS 1.6 and respective standard templates provided can be used instantly to create a dashboard for self-service usage within few minutes

2 – Enhancements for Developers:

a) Calculated columns within DS 1.6 for SAP BW Bex query data **b)** enhancement download options to download new application **c)** integrated CSS editor and more...

3 - Score Card Object (aka butterfly chart): A next generation table like chart object with full support to charting display by column with full support for excel data integration for quick export of data **b) Info Chart:** A new chart objects that provides dynamic switching of chart types (such as donut with absolute value, combined bar chart, heat map, tree map, and more..)

[SAP HANA SP12](#)

1– SAP HANA HDI & SAP HANA

CDI: HDI is a new service layer of the SAP HANA DB that simplifies the deployment of SAP HANA objects (HANA views and other artifacts) using a container schema. **CDI** provides migration tool to migrate existing SAP HANA views and artifacts built prior to SP12 to HDI compliant SAP HANA views & more..

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