

WHAT'S NEW FOR SAP BI (BW 7.4, HANA SP7 & DS 1.2)

NEW SAP BI CAPABILITIES & FEATURES!

2014 is going to be a milestone year for SAP HANA database system customer adoption. Several SAP BW customers are already running their SAP BW system on SAP HANA DB, thereby leveraging the migration benefits of SAP HANA database that is specific to SAP BW applications.

SAP BW 7.4: SAP BW 7.4 is now in GA and is the first SAP HANA database optimized version of SAP BW that has enhanced features for backend and front-end data integration. Below is a list of top 5 noteworthy features available in SAP BW v7.4 SP5 version running on SAP HANA database:

1 – Enhanced Push Down Processing: BW Analytical Manager is a new tool for SAP BW systems running on SAP HANA database to convert existing BW OLAP queries to HANA optimized scripts that leverage on SAP ABAP functions to enable push down processing to exploit HANA performance capabilities such as MPP and in-memory hardware acceleration. This includes support of advanced BW features such as exception aggregation for count and currencies key figures, hierarchies, restricted key figures, non-cumulative key figures (inventory and head count scenarios, etc..)

2 – Info Object Level Enhancements: a - **60 Character Limitations for BW Text Fields:** From BW 7.4 SP5 , info objects can now support text fields with maximum length of up to 1333 characters long thereby enabling free form text fields within BW info providers directly available for reporting without additional customization, b – **High Cardinality Info Object Flag:** when info objects are marked as high cardinality, the generation of SID's are not required anymore which will also result in overcoming the 2 billion records limitation. High cardinality info objects can be used in BW DSO's, planning cubes and analysis objects

3 - Eclipse Based Developer Interface: Enables SAP HANA Smart Data Access for SAP BW with full support to create SAP BW models that can consume data from SAP HANA models that can reference to other external systems (incl. SAP BW and Non-SAP EDW data marts) using New ODS Views and New Composite Providers (aka virtual providers) with full support to SQL unions and join types that can join BW multi-providers with HANA optimized BW DSO's that can be further customized using SAP ABAP and HANA SQL Scripts to meet complex business requirements and obtain excellent query performance

4 – BW Workspace Object: Enables better data load control and parallel process management for file upload management with support to: a – simulation load, b – delete duplicate records, c – manipulate field values for delta management, d – skip records with invalid data values, e - enhanced data load statistics.,

5 – Simplified Operational Delta Queues & HANA Optimized BW Transformation: a - Operational delta queues enable quick data loads for SAP BI (SAPI specific) extractors within SAP ECC system without the need for PSA (persistent staging area) within the BW system, b – BW transformations are optimized for SAP HANA databases. Transformations with mappings, conversion routines (units, currency & time), formulas, read DSO / master data and expert routine are optimized and more...

NEW IN BO DS STUDIO v1.2

1 – BOBJ UNIVERSES AS DATASOURCES FOR DESIGN

STUDIO: a – BOBJ universe queries can now be used as data sources to build complex BO design studio applications accessing heterogeneous data sources. Any database or OLAP system supported by BOBJ universe can be a data source to BO Design Studio application/s.

2 – OTHER DS ENHANCEMENTS:

a- new DS application events (on variable init and on background processing) for flexible application design and control for developers. b – export data from cross-tab to save as excel worksheet, c - cross-tab enhanced to provide interactivity to user for hierarchies, data sorts, sizing cells, etc.. d – new dual access charts with min & max limits e – contextual filter controls with scope settings across various data sources, f – multi-select list box control and more...

NEW IN HANA SP7

a – new look and feel for SAP HANA developer studio. b - there is a new SAP HANA SQL script editor with a enhanced debugger. c – enhanced monitoring options in the admin console to show Memory Utilization Views (aka Open Memory Overview and Open Resource Utilization), d - **SAP HANA SHINE** sample application and more...

Rama Shankar



Rama Shankar is an SAP BW, SAP BOBJ (incl. BO Design Studio, BO Explorer & Visual Intelligence) and SAP HANA consultant with extensive experience with SAP ECC (incl. SAP IKM –EHS-QIM - incident knowledge / environment health & safety / quality incident management analytics) , APO-SCM, Sales, Finance, FSCM, HR-WFM, Project Systems, SAP Retail, etc.) full lifecycle BI implementations. Rama has worked on several end-to-end implementations of SAP BOBJ for SAP BW (incl. v7.3), SAP HANA, MS BI and Oracle DB environments in the utilities, retail, pharma, state agencies and beverages industries.

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