

SAP HANA Database for SAP BW 7.3

GAME CHANGING VALUE PROPOSITION FOR 13000+ SAP BW CUSTOMERS!

TECHNICAL SKILLS BY SCENARIOS:

SCENARIO #1: Migrating existing production SAP BW system to SAP HANA DB:

Since you are going to leverage on an existing SAP BW data model/s already in production that have been migrated from an old database such as DB2 or Oracle to the new SAP HANA DB, other than an SAP basis consultant familiar with SAP HANA appliance DB and your internal SAP BW resources there is no additional technical skills required within the team unless you plan to implement SAP Business Objects (aka BI4) front-end tools such as Advanced Analytics, Interactive Analytics, Crystal Reports and Dashboard Design. You will not see any difference in the SAP BW system except for noticeably big performance improvement and a new logo in the SAP tools displaying “Powered by SAP HANA” – to denote that the database that you are running SAP BW is on an SAP HANA DB. This scenario is what I refer to as “The SAP HANA DB Magic Pill Scenario!”

SCENARIO #2: Implementing an all together new SAP BW analytical solution (incl. new HANA data model/s) from scratch and would like to integrate SAP ECC and non-SAP transactional data sources on real time basis into the analytical solution:

In addition to an SAP basis consultant familiar with SAP HANA appliance DB and your internal SAP BW resources You will need folks with SAP BI Data Services 4.0, SQL scripting (to build the SAP HANA information models) with familiarity to SAP BW meta-data and SAP ECC table schemas. In addition, to save development time you can also leverage on various out of the box SAP HANA content (i.e.:FI, Sales, etc.)

What's in Pipeline: a) SAP HANA DB for SAP ECC and non-SAP DB applications that will compete with other database vendors to get to the NO.1 DB of choice spot b) Better SAP HANA DB backup and recovery technology (IBM-GPFS, Hitachi-NAS, etc...) and more...

SAP HANA: WHAT'S NEW IN CONTEXT TO SAP BW?

In November, 2011 SAP started the ramp-up offering of the SAP HANA Database v1.0 SP03 for SAP BW 7.3 customers. The assessment results are promising!

A - What is SAP HANA DB for SAP BW 7.3:

In simple words, the SAP HANA database is a database component delivered for the SAP HANA appliance (hardware) which will replace or substitute the underlying Oracle or DB2 databases or any other DB on top of which SAP BW application runs. The migration to SAP HANA database is quick and easy.

B – What's New with HANA v1.0 SP03:

1 - SAP Solution Manager Integration, SAP BW 7.3 Integration (outside the DB space). 2 – Enhanced Integration for BI Data Services 4.0 in context to SAP ECC & BW 7.3 – Lifecycle Manager Integration (for smoother support pack installs using SUM – software update manager) with integration to SAP service marketplace (SAP remote connection)

C – Preparing for HANA DB Migration:

Upgrade to BW 7.3 and sign up for ramp-up or wait for GA and work on below items: 1 - **Sizing & Vendor Selection for SAP HANA Appliance:** IBM, Hitachi (certified for blade servers) and Fujitsu are forerunners in SAP HANA appliance. The base SAP HANA appliance comes with standard 128GB of memory that can be expanded up to 512 GB in multiples of 64GB. 2 - **Budgeting:** SAP HANA is a premium offering and it does cost about 2.5 times the cost of an SAP BWA implementation. The ROI is in the performance. Refer to the various success story (continued above..)

C – Budgeting (Continued..): scenarios published by SAP for HANA where SAP HANA can add instant value to your business and provide justification to your management. If one of the scenarios fits your business needs, then it's worth the cost; go for it!. You can also mix and match scenarios based on your custom business requirements to get better ROI for your \$\$\$.

D – Pros & Cons of SAP HANA DB for SAP BW:

Pros: 1) **Migration is Quick & Easy:** A migration of an existing SAP BW production system to an SAP HANA DB is done at the basis level with no configuration or development changes required by developers other than developers having to test end-to-end SAP BW functionality after the SAP HANA DB migration. 2) **Performance:** By migrating to an SAP HANA database you will see noticeable performance increase both in the backend data load performance and in the front-end reporting performance. 3) **HANA Data Modeling:** HANA modeling is different from traditional BW modeling where use of HANA-optimized info providers will provide options to eliminate persistent layers thereby resulting in leaner LSA. SAP HANA requires upto 10 times lesser storage space.

Cons: 1) **Maturity:** SAP BW-IP or SAP BPC-NW) applications may need additional steps to be performed after migration. Overall, the SAP HANA DB migration process is straight forward.



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Rama Shankar is an SAP BI/BW, SAP BOBJ (incl. BO Explorer), SAP HANA solutions consultant with extensive experience with SAP ECC (incl. several years of experience with SAP BW, BOBJ and Portal) full lifecycle implementations. Rama has worked on several end-to-end implementations of SAP BOBJ for SAP BW (incl. v7.3), SAP R/3, SAP HANA, MS BI and Oracle DB environments in the utilities, retail, pharma, state agencies and beverages industries. [CHECKOUT OTHER WRITE-UPS ON SAP BW, SAP BI \(aka BOBJ\) & SAP HANA.](#)