SAP   **SAP Note 1600929 - SAP BW powered by SAP HANA DB:**
Information

Summary

Symptom

You want to migrate your SAP Business Information Warehouse (BW) system to
the SAP HANA database (DB).
You are using an SAP BW system with SAP HANA as the database.
You are looking for additional SAP Notes regarding SAP BW with SAP HANA as
the database.

Other terms

Support Package, BW on HANA

Reason and Prerequisites

You receive the following SAP HANA appliance from an SAP hardware partner:
SAP In-Memory Platform Edition
or
SAP In-Memory Enterprise Edition
or
SAP In-Memory Extended Edition

You receive a preinstalled SAP HANA database with this hardware.

Solution

Ensure the following:
1) You are not using a dual stack system (ABAP and JAVA have the same
master data ID (SID) in the same database). Any functions for splitting are
provided using the dual-stack split tool in the Software Logistics (SL)
Toolset.
For information about the SL Toolset and its release schedule, see the
central note for the SL Toolset 1.0 (Note 1563579).
2) Support Package 03 or higher is imported for your SAP in-memory DB. We
recommend to use the latest available revision from SMP

Only a standard installation and a distributed installation with a separate
database server is supported. Other applications must not be installed on
the database server apart from the preinstalled SAP HANA database (DB) and
additional applications that it requires because these other applications
may have a negative affect on performance. This also includes parts of the
distributed central instance (for example, an application server must not
be installed on the DB server).

Migration

Kernel Recommendation (minimum)

   o   Database-dependent parts: R3load patch level(PL): 221

   o   DBSLLIB PL: 220

   o   Database-independent parts: disp+work PL 221

Export:
Use your existing installation CD or DVD for the export. For the question
with regard to the target database, select your source database in case
that there is no entry for SAP HANA DB. This has no effect on the created
files.
In the step "Confirm Report Execution", select "No, run the import of the
target system without SQL files". After the export, create a subdirectory
called <export>/ABAP/DB/HDB under your export directory. Then, start the
report SMIGR_CREATE_DDL. Select SAP In-Memory Database with the additional
parameter for the installation directory <export>/ABAP/DB/HDB.
If the report stops, move the file SQLFILES.LST from <export>/ABAP/DB/HDB
to <export>/ABAP/DB.

Import:
For the import to the SAP HANA DB, use the newly delivered media.
Note that only the asynchronous file-based export/import method is
available for the system copy (that is, socket mode, ftp mode, and NFS
exchange mode are not supported).

Detailed information about Migration /Systemcopy using SAP HANA DB with
special view on performance improvements in R3Load: see note 1753759

Additional important SAP Notes and known problems:

A dump occurs while uploading data via DTP on an SLS 11 SP1 Linux Server
due to a wrong timestamp.
To correct this error, install Linux kernel version 2.6.32.19.
You can check which kernel version is installed on your system using the
command "cat /proc/version".

There is the following restriction with regard to the use of Embedded
Search with TREX. At the moment this functionality is not released for the
SAP HANA database. It is also not released if you want to have an existing
TREX alongside it. However, we are working on a solution for this
restriction.

Information relevant for SAP NW BW 7.30 on HANA

Please ensure that Support Package 07 or higher is imported for your SAP
NetWeaver (NW) BW Installation (ABAP) before migration/ after installation.
Please keep in mind that you have to apply SP06 which was only available
for BW on HANA Ramp up customers. For your convinience we have created a
note mentioning important notes after SP07: 1712334

SAP NW 7.30 BW on the SAP HANA DB uses the SAP kernel 7.20_EXT_REL by
default.If you use the operating system RedHat5 for your application
server, order the relevant kernel DVD using the material number 51042007
under the component XX-SER-SWFL-SHIP.

The following source databases are supported for the migration:
Oracle 11.2
IBM DB2 LUW 9.7
MaxDB 7.8
MS SQL server 2008

DB2 for i61, 7.1
DB2 for z/OS V9, V10

Please check if the following tables are part of the row store in the SAP
HANA DB before you start to implement Support Packages or other Add-Ons
like Business Content, SEM or BPC to ensure a performant import:
DOKIL, TADIR, E070, E071, PAT01. VRSD and SMODILOG.
If the tables are nit in the row store you can use the SQL Tool which has
been delivered with SAP HANA Studio to move the table within schema
SAP<SID>:
alter table DOKIL row;
The tables can stay in the row store.
You can find alternative options and an exact description of the change
process in SAP Note 1660125.
See SAP Note 1659383 for more information about which tables are located in
the row store.

General:

For now, all products and components of the SAP Business Suite are not
released for BW 7.30 SP5(and higher) powered by SAP HANA DB.

This restriction does not apply to the following:

- In the area of SEM-BW, the component SEM-BCS 6.34 is available
  as of now and supports the productive use of SAP Netweaver
  Business Warehouse 7.3 powered by SAP HANA. For more details,
  see SAP Note 1648413.

- The components VIRSANH and GRCPINW of the SAP GRC Access
  Control Solution are released.

- The components ST-A/PI and ST-PI are released.

- SAP Notes Management 10.0 Service Pack2 is HANA compatible

- SBOP PC 10.0 FOR SAP NW is released. For more details please
  see SAP note 1676242 .

- SPM 3.0 is supported on SAP BW 7.30 on HANA. For details please
  see SAP note 1718152

Business Content Add-On:

o SAP POS Data Management on SAP Business Warehouse powered by SAP
   HANA

   - In the BI Content Releases 7.35 and 7.36 on SAP Business
     Warehouse powered by SAP HANA (SAP BW 7.3 SP05 and HANA 1.0
     SP03), there may be restrictions with regard to the processing,
     compression, and size of the TLOG data table for users of the
     POS Inbound Processing Engine (PIPE) as the central component
     of SAP POS Data Management.

   - For more information, see SAP Note 1648861 "SAP POS Data
     Management on SAP Business Warehouse powered by SAP HANA".

Information relevant for SAP NW BW 7.31 on HANA

Please ensure that Support Package 04 or higher is imported for your SAP NetWeaver (NW) 7.31 BW installation (ABAP) before migration/after installation.

The following source databases are supported for the migration:
Oracle 11.2
IBM DB2 LUW 9.7
MaxDB 7.9
MS SQL server 2008
DB2 for i61, 7.1
DB2 for z/OS V9, V10
SybaseASE 15.7

SAP NW 7.31 BW on the SAP HANA DB uses the SAP Kernel 7.20_EXT_REL by default.

General:

For system copy of systems based on SAP NetWEaver 7.3 EhP1 please check the "SAP HANA database - specific Topics section" in note 1620515.

For application server IBM i again HANA DB please check note 1713523.

The upgrade procedure for "SAP NW BW 7.30 on HANA DB" to "SAP NW BW 7.31 on HANA DB" is supported as of SL Toolset 1.0 SP5. For further information please have a look at notes 1702177 and 1680769.

Header Data

Release Status: Released for Customer
Released on: 23.08.2012   14:49:55
Master Language: English
Priority: Recommendations/additional info
Category: Upgrade information
Primary Component: BW-SYS-DB-HDB BW HDB

Secondary Components:

                         BW-WHM Data Warehouse Management

Valid Releases

Software Component	Release	From Release	To Release	and Subsequent
SAP_BW	71	730	730	X
SAP_BW	731	731	731	

Related Notes

Number	Short Text
1738258	System Copy for Systems Based on SAP NetWeaver 7.3/7.3 EHP1
1714013	BPC 7.53 NW on SAP BW 7.3 powered by HANA DB
1712334	Important Notes for SAP BW powered by HANA on SP7
1702177	SAP HANA: Additional info - Software Update Manager 1.0 SP05
1680769	Central Note - Software Update Manager 1.0 SP05 [lmt_006]
1672940	SAP SEM-CPM 6.34 on SAP BW 7.3 powered by HANA DB
1667731	Rapid database migration of SAP NetWeaver BW to SAP HANA
1660125	SAP HANA database: Table consistency check
1659383	RowStore list for SAP NetWeaver in SAP HANA database
1648861	SAP POS DM on SAP Business Warehouse powered by SAP HANA
1648413	SAP SEM-BCS on SAP BW powered by HANA DB
1620515	System Copy for Systems Based on SAP NetWeaver 7.3 EHP1
167242	Inconsistency in purchase order history material document