

# Upgrade SAP Business Warehouse to release 7.40

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# Agenda

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## 1 Roadmap and technology facts

- Upgrade paths to SAP NetWeaver Business Warehouse 7.40

## 2 What's new with the Upgrade to BW 7.40

- End to end implementation roadmap
- Increased usage of the Solution Manager (MOPZ)
- Software update manager (SUM 1.0)

## 3 Usage of the ASU toolbox for BW

- Pre steps (w/o unicode conversion)

## 4 General checks prior to the Upgrade

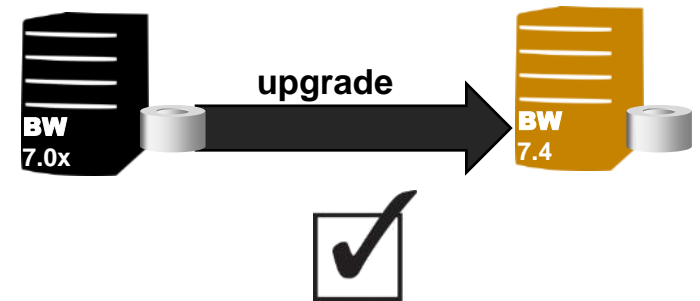
## 5 Summary

## Goal of this session:

Provide overview how you can perform the upgrade to  
*SAP NetWeaver® Business Warehouse 7.40*

### For this, SAP is offering:

1. An end to end guide including upgrade/migration
2. An ASU toolbox (BW related) and additional guidance
3. software upgrade manager (SUM 1.0)





# Roadmap and technology facts

# SAP BW powered by SAP HANA

## Planned Product Roadmap Overview – Key Themes and Capabilities

### SAP BW 7.4 SP9/SP10 on SAP HANA

#### Push down of data intensive functions to HANA

- Analytic Manager, Warehouse management processes and Planning Semantics

#### Simplified data modeling

- Open ODS View flexible integrating external data
- CompositeProvider consolidating existing InfoProviders
- Common Eclipse based modeling tools
- Advanced DSO to consolidate DSOs and InfoCube

#### BIG Data scenarios

- HANA dynamic tiering for Petabyte-scale storage
- NLS Storage enhancements

#### SAP HANA Enterprise Cloud

- Best practice for large scale BW migrations into the cloud

#### Exposing BW data models for SQL consumption

- Generation of HANA models from BW InfoProviders and simple BEx queries

#### “BPC Embedded Model”

- Integrating capabilities of BW IP, BPC and HANA

#### Mobile devices

- Easy mobile consumption using ODATA standard
- SAPUI5 based Process Chain Monitor

### Today

(Release SAP BW 7.4 SP9/SP10)

### Upcoming planned release

#### Integration with the HANA Platform

- Leverage HANA Information Management capabilities for BW
- Further pushdown of data intensive functions to HANA

#### Simplified and Streamlined User Experience

- Eclipse based Modeling for Data Flows
- SAPUI5 based Monitoring and Administration Tools

#### BIG Data scenarios

- NLS: Exceptional inserts, updates and deletes
- HANA dynamic tiering for Advanced DSO.
- Further HADOOP/BIG Data integration

#### SAP HANA Data Warehousing Foundation

- Data distribution optimizer
- Data lifecycle management

#### SAP HANA Enterprise Cloud

- NLS as a Service in the HEC

#### BPC Embedded Model

- Local planning scenarios with BW Workspaces and BPC Embedded Model

### Planned Innovations

(Release SAP BW 7.5)

### Future innovations

#### BW run simple mode

- Advanced DSO and New CompositeProvider as central modeling objects
- No 3.x dataflows, no InfoCubes, no DSOs
- Simplified governance
- All data loads based on optimized Request handling
- All modeling tools based on Eclipse
- All administration tools based on SAPUI5
- BW on HANA-optimized Business Content

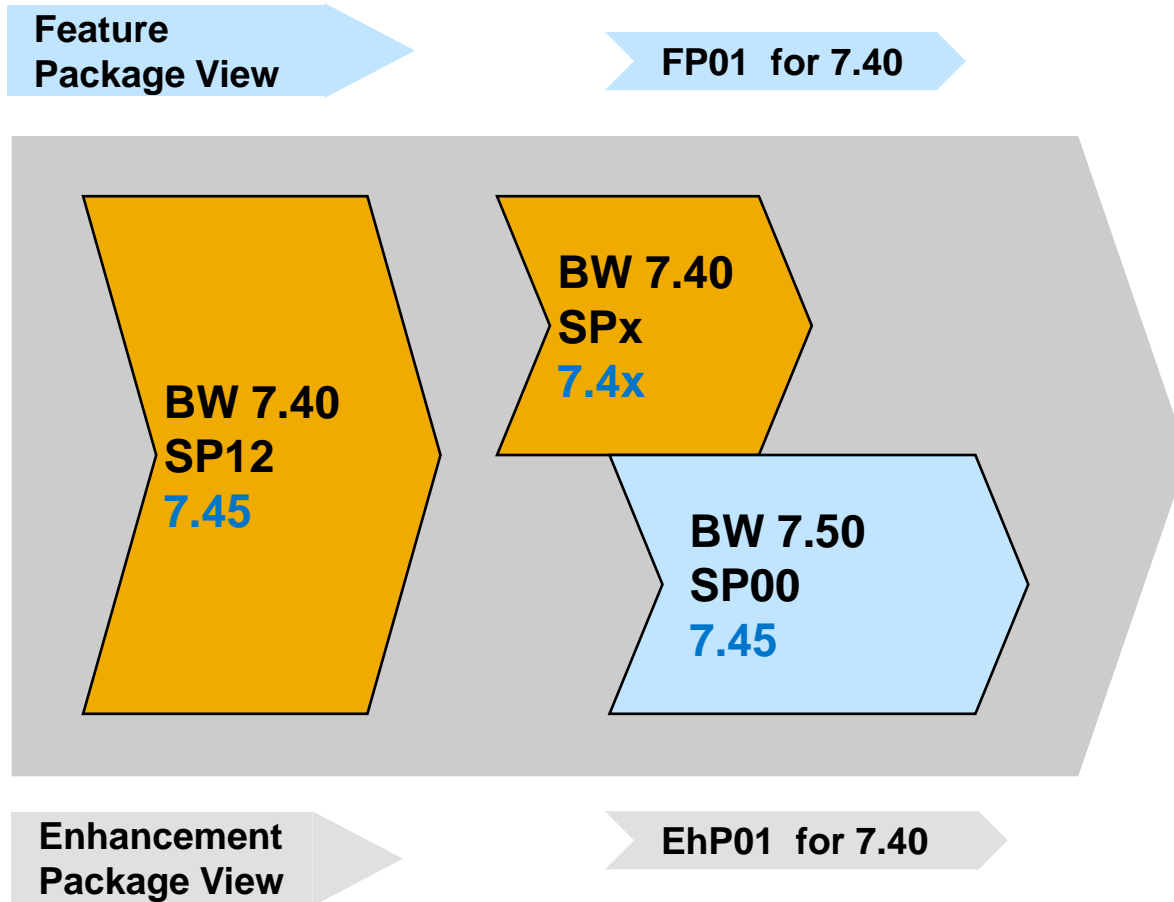
**Enhanced tool support to enable the pass to the HANA optimized BW objects**

### Future Direction

(SAP will continue to support RDBMS platforms)

# What's new with the Update to SAP BW 7.40/7.50

Updated Software Lifecycle Maintenance Process following the EhP Strategy



## Code Split of NetWeaver 7.40 in Q4 2015 (RTC October 2015)

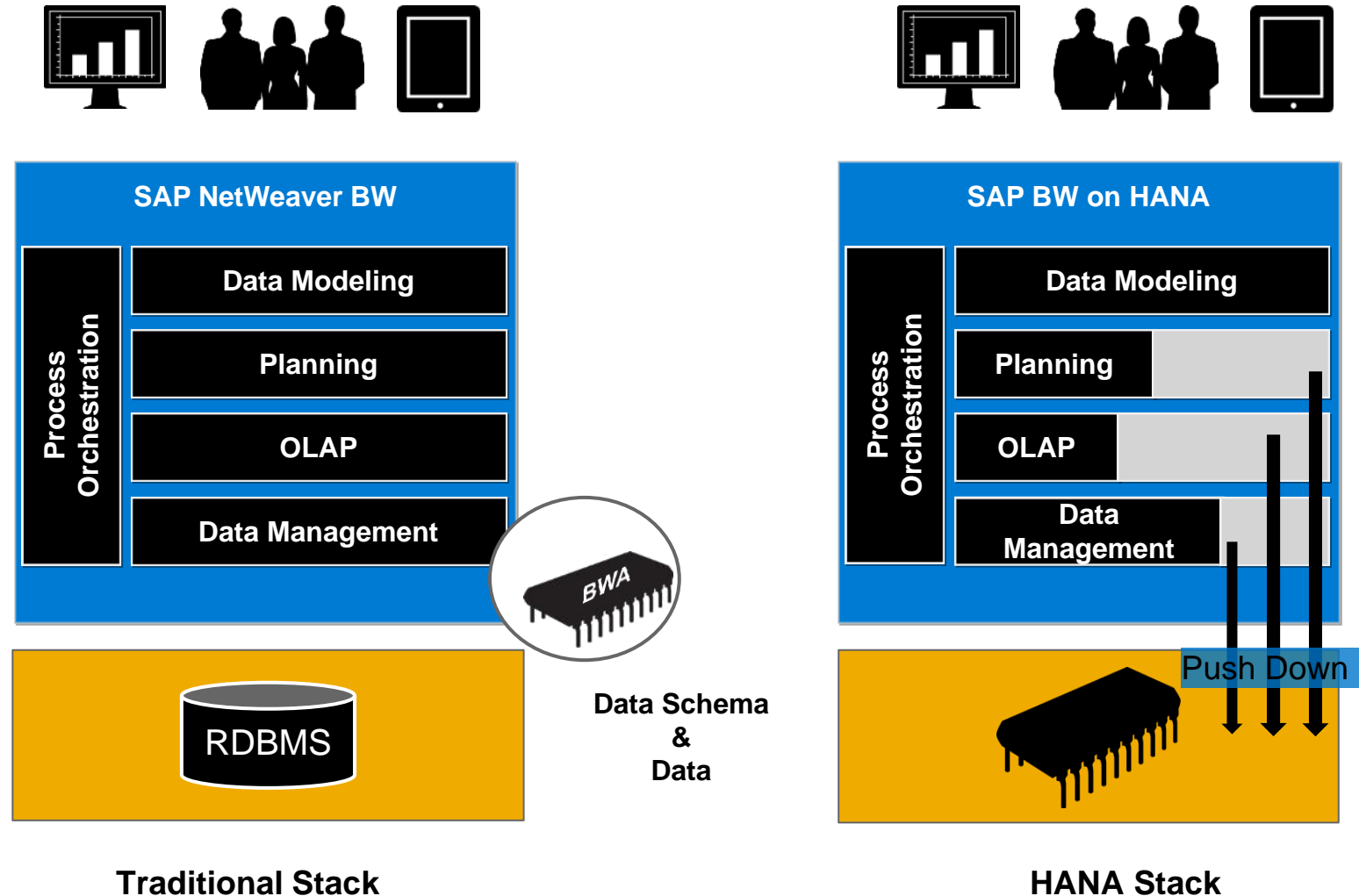
- stabilized version, 2-4 support packages per year, corrections-only - release number: 7.40
- enhancement package delivering innovations (BW feature pack, new kernel, ...) – release number: 7.50

## NetWeaver 7.40 FP01 is basis for

- S/4HANA
- BusinessSuite EhP8

# SAP BW on HANA - Smarter, simpler, more efficient

How Does BW running on RDBMS differ from BW running on HANA ?



## Customer value of SAP BW powered by SAP HANA

- Excellent query performance for improved decision making
- Performance boost for Data Load processes for decreased data latency
- Accelerated In-Memory planning capabilities for faster planning scenarios
- Flexible combine EDW with HANA-native data for real-time insights and decision making
- Data persistency layers are cut off and reduced administration efforts
- Simplified data modeling and remodeling

**Data intensive functions are pushed down from BW to HANA**

**HANA as the Primary Database for BW and Foundation for new Applications**



# 1 Roadmap and technology facts

SEM Add-On Implications - <http://help.sap.com/sem>

## Choose your NetWeaver BW Start Release

### **BW 7.0x/SEM 6.0x**

(generic EhP approach)

Upgrade to

- NetWeaver 7.40
- SEM 7.37

**possible!**

**(Note 1326576 and 1752914)**

### **BW 7.01/SEM 6.04**

(specific case for EhP4)

Upgrade to

- NetWeaver 7.40
- SEM 6.37

**possible!**

### **BW 7.0/SEM 6.0**

(EhPs except EhP4)

Upgrade to

- NetWeaver 7.40
- SEM 6.37

**possible!**

### **BW 7.3/SEM 6.34**

(specific case for EhP4)

Upgrade to

- NetWeaver 7.40
- SEM 7.37

**possible!**

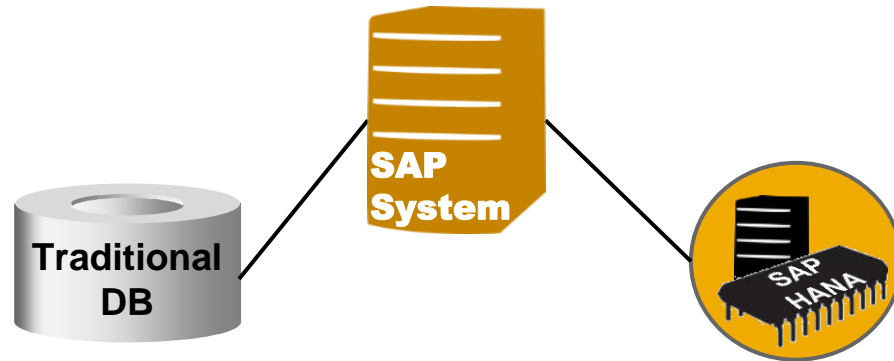
**Consider Options in Notes 1539356 (7.30), 1681435 (7.31) and 1531022 (SEM)**

**Blog: [Good News - Easier Modeling of the SEM Add-On in Solution Manager](#)**

**Recommended Option: [1927083 - SAP NetWeaver Systems with SEM-BW](#)  
Change to Add-On Product Version of SAP SEM (CISI)**

# 1 Roadmap and technology facts

functionality of the database migration option (DMO) within the SUM framework



SAP HANA Migration Wizard will be a SUM-based tool simplifying the migration process

**1** Upgrade “Prepare”

**2** Execute Upgrade  
(until downtime phase)

**3**

*Switch database  
connection*

**4** Migrate application data  
(incl. data conversion)

**5** Finalize Upgrade

**6** Start SAP HANA-based system

Setup SAP HANA specifics  
(client, schema ...)

Uptime

Downtime

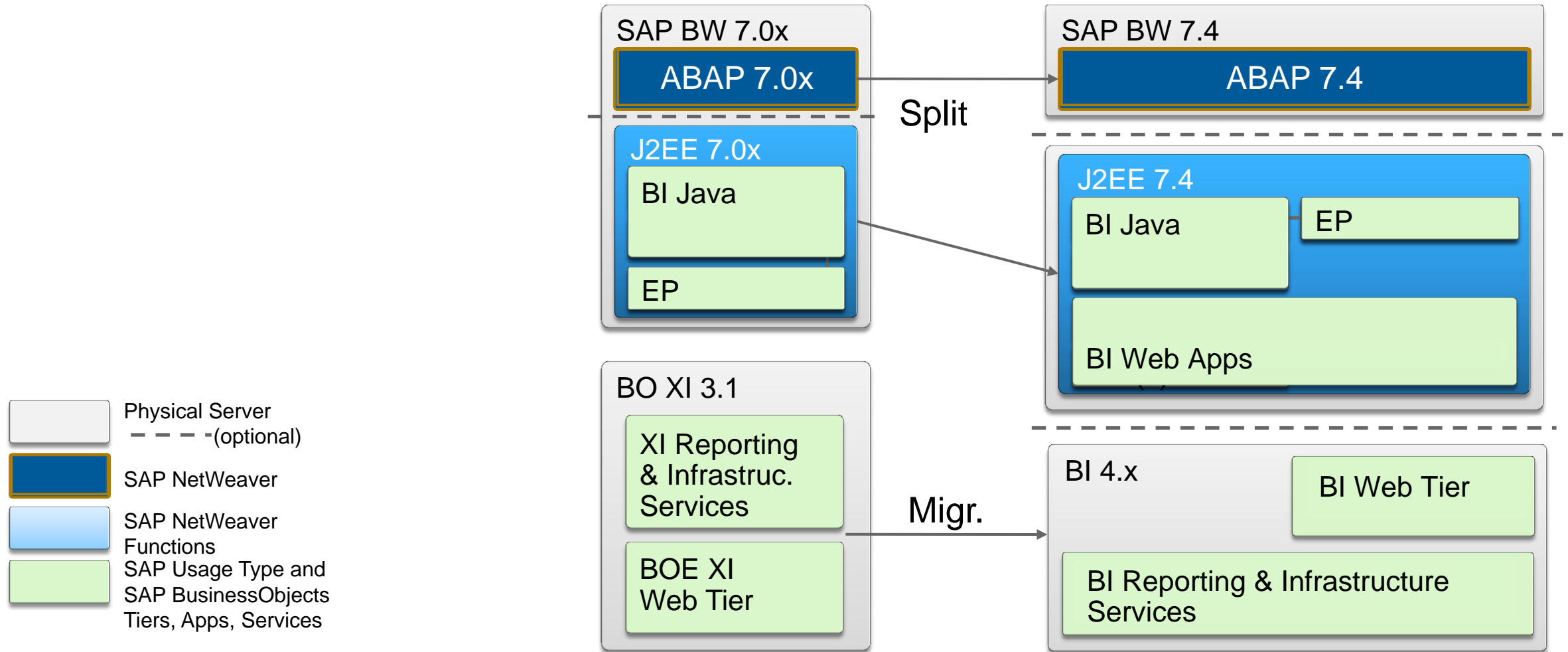
- Generally available SUM 1.0 SP09 Upgrade and Migration of BW system
- Included UC conversion available with DMO/SUM 1.0 SP10
- With DMO/SUM 1.0 SP13 SUM/DMO consolidated UI based on UI5

Time

**Note**  
Traditional database continues to run

# 1 Roadmap and technology facts

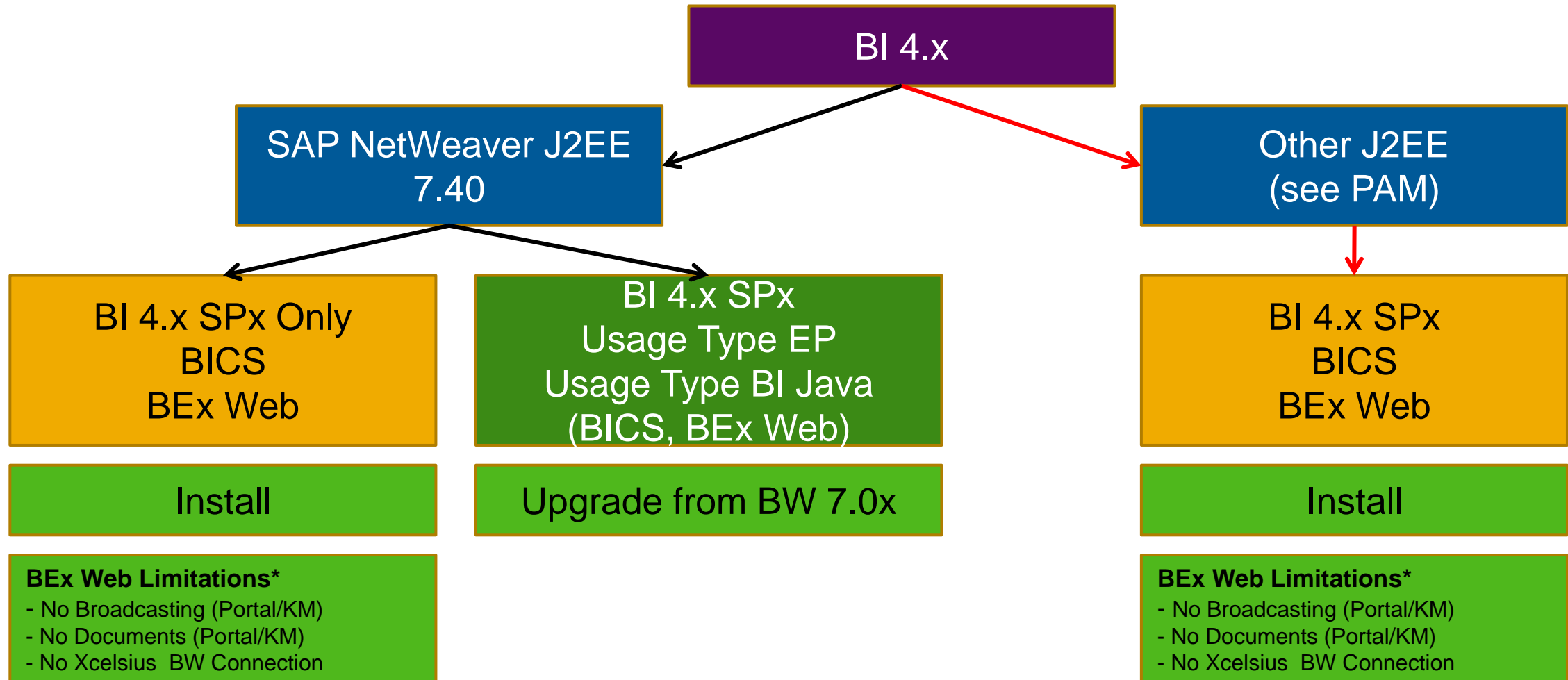
## New BI 4.x Installation for SAP BW Customers Platform View - Proposal



The XI 3.1/BI 4.0 Java apps can be deployed either on an existing SAP J2EE 7.0x or 7.4 Engine, or ideally encapsulated with BI with Tomcat by default. Consider the SAPJVM 4.1. A JVM switch tool is available as well.

# 1 Roadmap and technology facts

Use the recommendation with the BI 4.x inbuilt Java Server

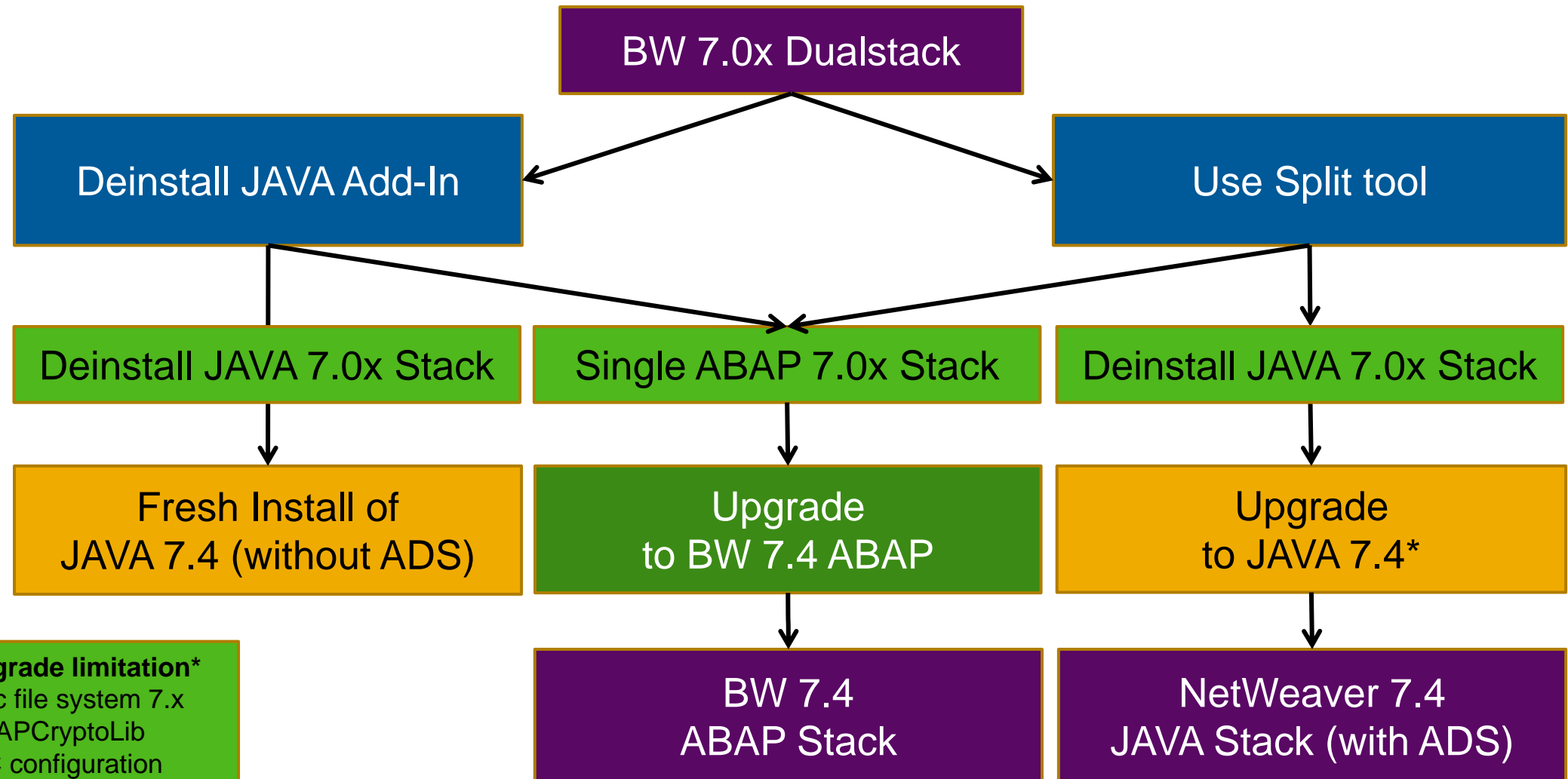


\*Broadcasting is either a direct ABAP process (Excel) or an ABAP HTTP process publishing in a separate SAP EP  
Distinguish between 3.x and 7.x web templates. 3.x web templates do not require BI-JAVA 7.x



# 1 Roadmap and technology facts

Dualstack options prior to the Upgrade - separate JAVA stack eases the process



## JAVA 7.4 Upgrade limitation\*

- no automatic file system 7.x
- automatic SAPCryptoLib
- disable SNC configuration

ADS = Adobe Document Services (obsolete with NetWeaver 7.4 BI-Java)

# 1 Roadmap and technology facts

## SAP Business Intelligence Architecture 2014 - choose your combination

	<b>BW 7.40 Upgrade</b>	<b>JAVA fresh Install (not the central EP)</b>	<b>BI 4.0/4.1 Upgrade/fresh</b>
<b>BW 3.5 BW 7.0 BW 7.0x</b>	Depended from SEM Add-On and Analysis Authorizations	Deinstall/Split Java Add-In Deinstall JAVA Instance	BW 7.31 - BI 4.1 BW 7.30 - BI 4.0 BW 7.01 SP08 BW 7.0 (not recommended) BW 3.5 (not recommended)
<b>JAVA 7.0x Add-On or sep. Install</b>	Deinstall/Split Java Add-In Deinstall JAVA Instance	Fresh JAVA 7.40 Install	Upgrade/Migrate to BI 4.x Fresh BI 4.0/4.1 Install Use BI 4.0/4.1 In-Build JAVA Application Server
<b>XI 3.1</b>	XI 3.1 SP04	Fresh JAVA 7.01 Install Fresh JAVA 7.40 Install	Upgrade/Migrate to BI 4.x Use BI 4.0/4.1 In-Build JAVA Application Server

# 1 Roadmap and technology facts

## SAP BusinessObjects BI 4.x support for BW 7.40 - Note 1869560

Product	Connectivity	BW 7.01 SPS 06+	BW 7.01 SPS 08+	BW 7.02 SPS 02+	BW 7.30 SPS 03+	BW 7.31 SPS 04+	BW 7.40 SPS 02+
Web Intelligence	BICS (Dimensional Transient Universe)	✓	✓	✓	✓	✓	SP01+
Crystal Reports for Enterprise		✓	✓	✓	✓	✓	SP01+
Dashboards		✓	✓	✓	✓	✓	SP01+
Web Intelligence	UNV OLAP	✓	✓	✓	✓	✓	SP01+
Live Office		✓	✓	✓	✓	✓	SP01+
Web Intelligence	Multi source universe (Relational)	✓	✓	✓	✓	✓	SP01+
Crystal Reports Enterprise		✓	✓	✓	✓	✓	SP01+
Dashboards		✓	✓	✓	✓	✓	SP01+
Explorer		✓	✓	✓	✓	✓	SP01+
Analysis, edition for OLAP (*1)	BICS (Direct to BEx)	✓	✓	✓	✓	✓	SP01+
Analysis, edition for Microsoft Office (*2)		(*5)	(*5)	(*5)	(*5)	(*5)	(*5)
Dashboards	BICS (NW BI Java)	✓	✓	✓	✓	✓	SP01+
Explorer	BWA (*4)	✓	✓	✓	✓	✓	SP01+
Crystal Reports for Enterprise	Direct to Data (D2D)	-	-	-	-	-	-
Crystal Reports 2013	Direct BW Connection	✓	✓	✓	✓	✓	SP01+
BEx Web Applications (*3)	(Integrated with BI 4)	-	✓	✓	✓	✓	SP01+

(\*1) Analysis, edition for OLAP additionally supports BW 7.0 SPS23+

(\*2) Analysis, edition for Microsoft Office standalone (not used with BI 4) supports any BW release as of 7.0 (no specific SP needed)

(\*3) Please consult SAP notes 1541365 and 1476156

(\*4) Explorer supports BWA Version 7.20, rev 19 and above

(\*5) Support for BW 7.31 SPS 04+ is added with BI 4.0 SP05, Patch 1



## 2 What's new with the Upgrade to BW 7.40

End to end implementation roadmap

Increased usage of the Solution Manager (MOPZ)

Functional changes in NetWeaver 7.40 BW





# SAP BW Application Lifecycle Management (ALM)

<http://scn.sap.com/docs/DOC-7856#section8>



## BW Technical and Functional Upgrade

 **BLOG:**  [Software Update Manager \(SUM\): introducing the tool for software maintenance](#)

 **BLOG:**  [Good News - Easier Modeling of the SEM Add-On in Solution Manager](#)

### ASU Toolbox (incl. BW Specific Content) and BW Upgrade pre/post Task List

With the ASU (application specific upgrade) toolbox, customers get one single truth for all pre/post upgrade steps regarding the technical upgrade to SAP NetWeaver BW 7.0x and all following releases.

More detailed information about the ASU toolbox can be found in note [1000009](#). This tool has been available since 2008 (see the [TechEd Presentation](#) and the new [Upgrade to SAP NetWeaver BW 7.30 Presentation](#)) has been enhanced and now allows application specific and technical resources to work together for a successful upgrade to SAP NetWeaver BW 7.30

With SAP NetWeaver 7.30 JAVA, the [Functional Unit Configuration UI](#) (former CTC BI-JAVA Template) is available.

#### **New:**

Together with the BW Housekeeping Task List, there are also additional Task Lists available to simplify preparation of the application-specific part.

Implement the following SAP Note to enable usage of task list SAP\_BW\_BEFORE\_UPGRADE via transaction STC01

[Note 1734333 - BW Pre and Post Upgrade and Migration Tasks](#)

(contains manual report ZNOTE\_1734333\_PRE\_70x/ZNOTE\_1734333\_PRE\_70x, and **NO** automated steps applied with SNOTE)

The Presentation  [Teched 2012 - Session EIM301](#) illustrates the complete Upgrade process.

# 2 What's new with the Upgrade to SAP BW 7.40

a detailed look at the upgrade steps

Milestones	Tasks	More Information
3.1 Planning	Obtain an overview and access the delta information on the upgrade to SAP NetWeaver 7.3.	<a href="#">Upgrade Master Guide - SAP NetWeaver 7.3 (SMP)</a> <a href="#">Upgrade to NetWeaver BW 7.3x -&gt; "chapter 1: Technology/Roadmap facts" and "chapter 2: What's new with the Upgrade to BW 7.30" (SCN)</a>
3.2 Application preparation	Perform application-specific preparation tasks with the application-specific upgrade toolbox (ASU toolbox) and optionally perform housekeeping steps.  Tools : <ul style="list-style-type: none"><li>Application-specific upgrade toolbox (ASU toolbox): transaction code /ASU/START</li></ul>	Information on the ASU toolbox: <ul style="list-style-type: none"><li><a href="#">SAP Note 1000009 (SMP)</a></li><li><a href="#">Upgrade to NetWeaver BW 7.3x -&gt; "chapter 3: Usage of the ASU toolbox for BW" (SCN)</a></li></ul> Information on housekeeping: <ul style="list-style-type: none"><li><a href="#">SAP NetWeaver BW - Important Housekeeping Principles for keeping your SAP NetWeaver BW in good shape (SMP)</a></li></ul>
3.4 Procedure	Perform the upgrade of SAP NetWeaver BW (ABAP) to SAP NetWeaver BW 7.3 SPS5 or higher using the Software Update Manager (SUM). We recommend to apply the latest Support Package for SAP NetWeaver BW.  Tools: <ul style="list-style-type: none"><li>Upgrade program SAPup</li></ul>	Update Guide - Update of SAP Systems Using Software Update Manager 1.0 SP0x at <a href="#">Update of SAP Systems Using Software Update Manager 1.0 SP0xUpdate of SAP Systems Using Software Update Manager (ABAP Systems) (SMP)</a>  Upgrade and Update Guide - SAP NetWeaver 7.3 ABAP at <a href="#">Upgrade and Update Documentation - SAP NetWeaver 7.3 (SMP)</a>  <a href="#">Upgrade to NetWeaver BW 7.3x -&gt; "chapter 5: Details of the Upgrade Process" (SCN)</a>
3.5 Post-upgrade technical steps	Perform technical post-upgrade tasks.  Tools: <ul style="list-style-type: none"><li>Application-specific upgrade toolbox (ASU toolbox): transaction code /ASU/START</li></ul>	<a href="#">SAP Note 1000009 (SMP)</a>  <a href="#">Upgrade to NetWeaver BW 7.3x -&gt; "chapter 3: Usage of the ASU toolbox for BW" (SCN)</a>

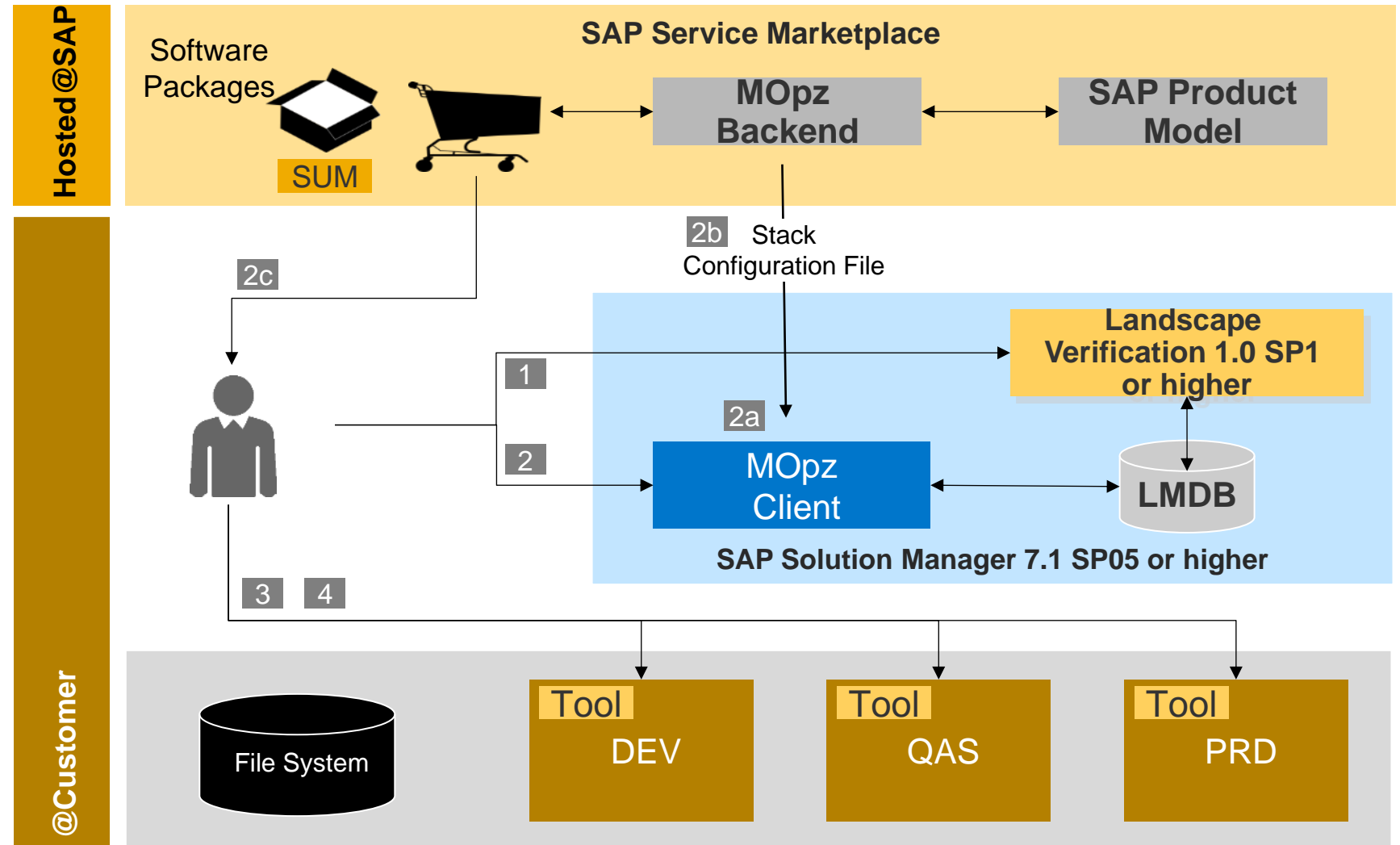
<http://help.sap.com/nw74/#section2>

## 2 What's new with the Upgrade to SAP BW 7.40

Solution Manager pre requisites for the correct usage of the MOPZ



**SAP First Guidance  
available**



# 2- What's new with the Upgrade to SAP BW 7.3x/7.40

Blog: [Good News - Easier Modeling of the SEM Add-On in Solution Manager](#)

Specify Product System and Product Instance

Assign Product Instances to the Product System

[1.] Product System Selection

Product System:  [N4S](#)

[2.] Product Instance Selection

Select By: \*

[3.] Product Instance - Search Result List

Product Version	Product Instance	Additional Information	Assigned	Pr...
EHP4 FOR SAP SEM 6.0 (add-on)	SEM		<input checked="" type="checkbox"/>	<input type="button" value="i"/>
EHP4 FOR SAP SEM 6.0 (add-on)	SEM NW7.3		<input type="checkbox"/>	<input type="button" value="i"/>

**Note**  
Repairs all kind  
of misconfigured  
backend errors!

Report RLMDb\_DOWNLOAD\_INST\_SOFT\_INFO

DOMAI\_ID

LDB

NAMESPAC

active

PS\_NAME

SAP GUI

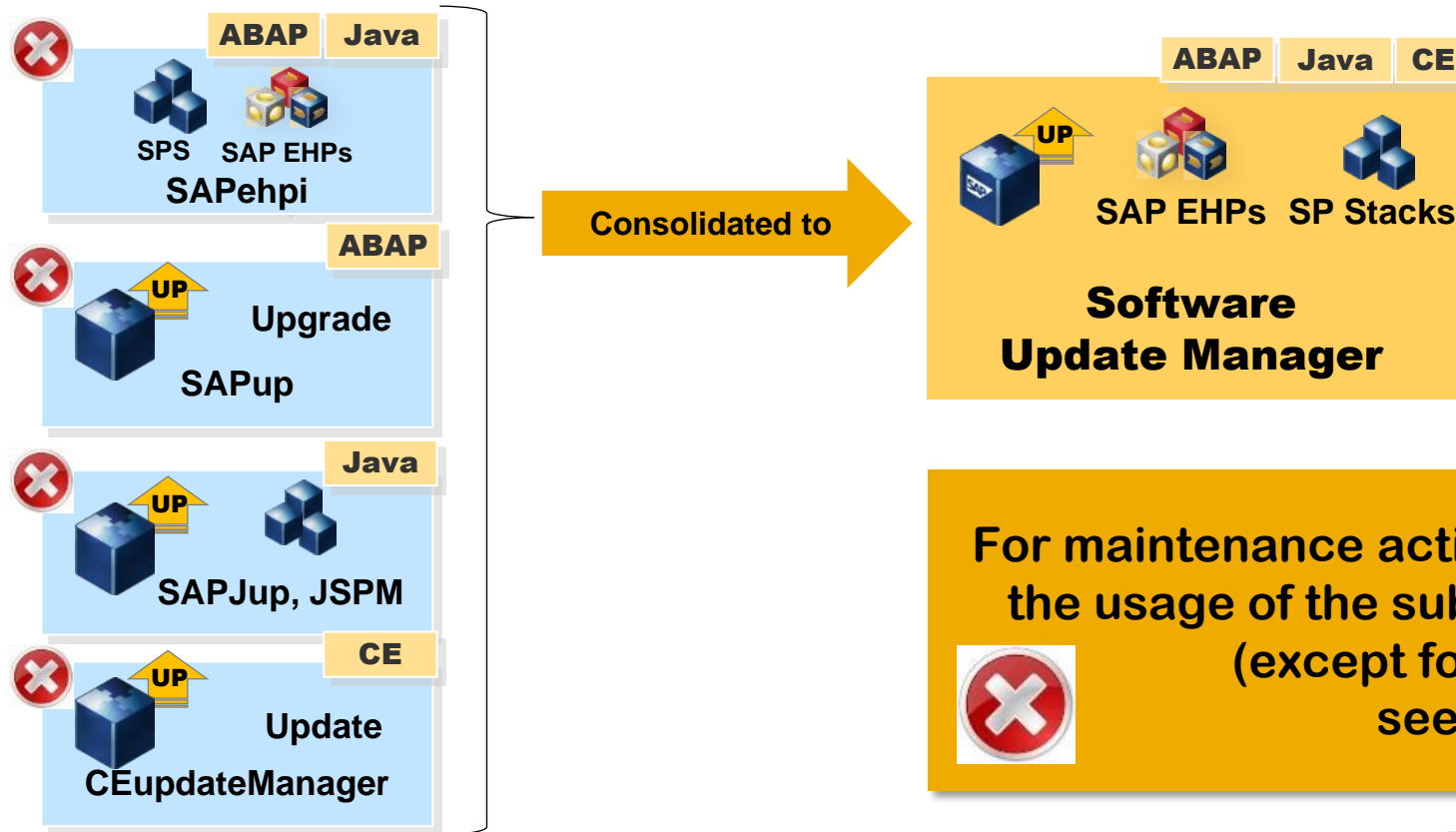
Name	Date modified	Type	Size
File name: <input type="text" value="stack_for_cisi.xml"/>			
Save as type: <input type="text" value="All Files (*.*)"/>			



## 2 What's new with the Upgrade to SAP BW 7.40

SUM is the tool: successor of other tools for upgrade, update and support packages

**SUM replaces tools for upgrade, update, and implementing SPs.**

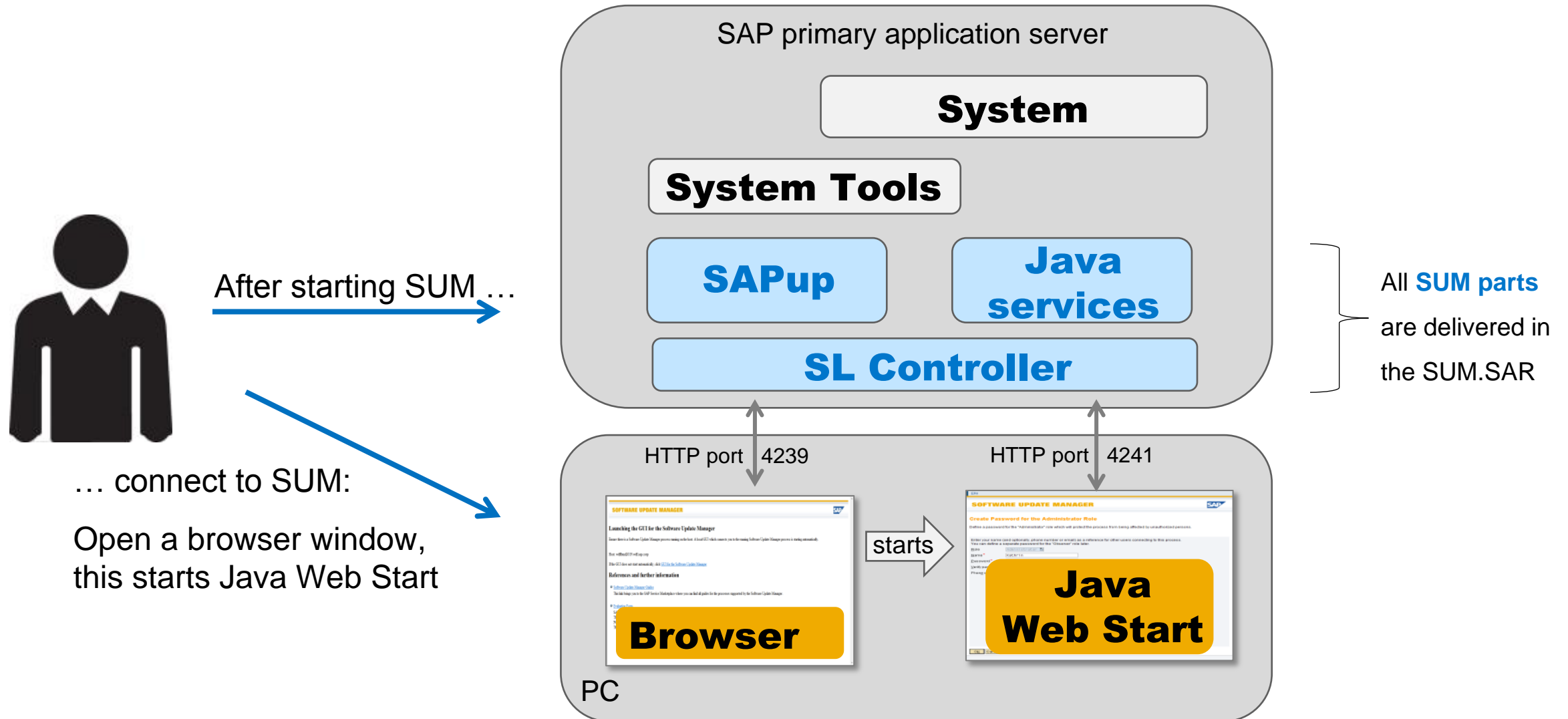


For maintenance activities that are supported by the SUM, the usage of the substituted tool is no longer supported (except for SPAM) starting Q1 2013, see SAP Note [1589311](#).

<http://service.sap.com/sltoolset>

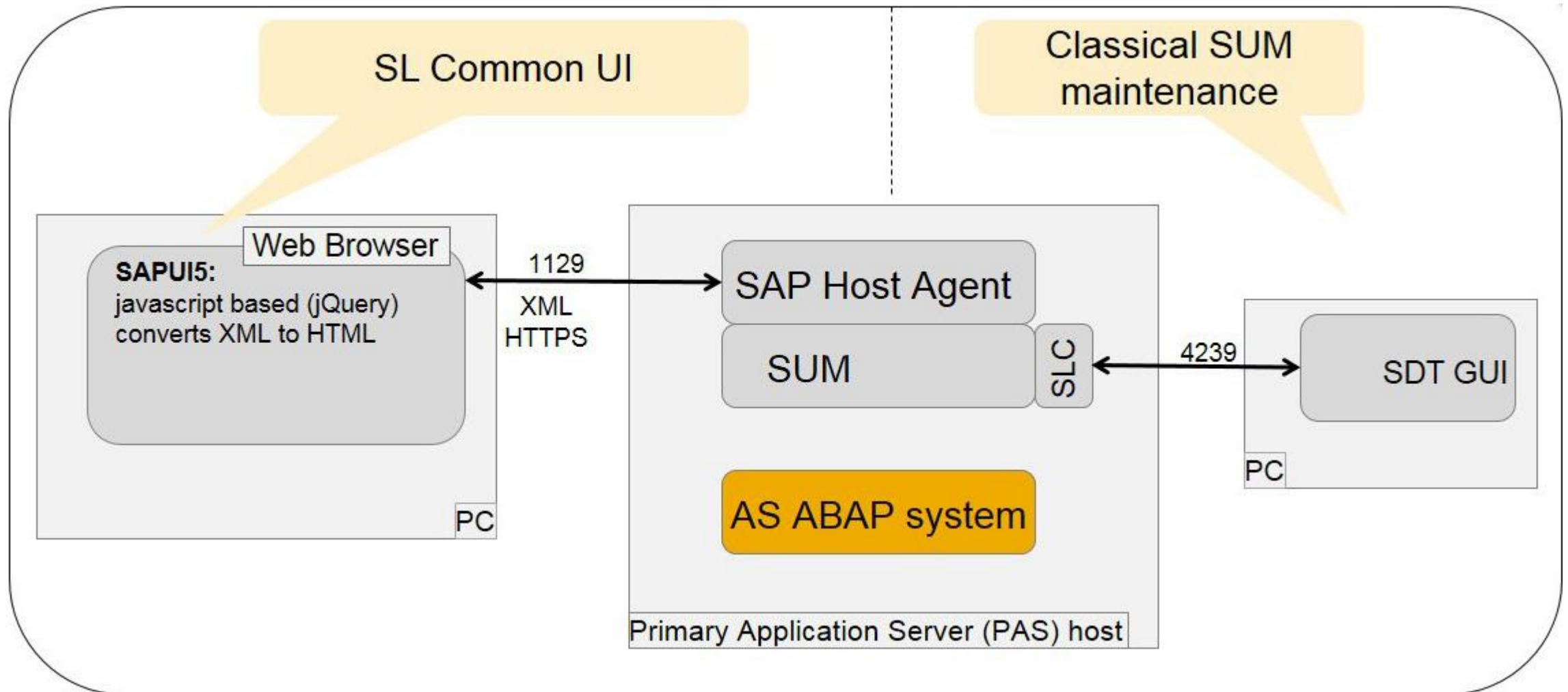
## 2 What's new with the Upgrade to SAP BW 7.40

### Recap: Connecting to Software Update Manager from PC



## 2 What's new with the Upgrade to SAP BW 7.40

New with SUM 1.0 SP12 onwards - Blog: [Upgrade has never been easier ...](#)



## 2 What's new with the Upgrade to SAP BW 7.40

### software update manager (SUM) 1.0 changes

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- Exception implementation for Service Releases (SR) for (NetWeaver) BW 7.40

These SPS are not applied via the SPAM procedure due, to fundamental changes in the SR Basis Support Packages, e.g. new CDS views in SP08. Instead this update is scheduled via the software update manager (SUM). Find additional information in the blog - Software Update Manager (SUM): introducing the tool for software maintenance.

- The creation of a `stack.xml` via the Solution Manager and the usage of the ASU toolbox and/or the Upgrade tasks lists are mandatory (except the Import of the Service Release).
  - SR1 → SPS05 requires the new 7.41 UC Kernel
  - SR2 → SPS08 requires the new 7.42 UC Kernel
  - SR3 → SPS12 requires the new 7.45 UC Kernel
- Note 1969546 - Release Roadmap Kernel 740



## 2- What's new with the Upgrade to SAP BW 7.40

### software update manager (SUM) vs. database migration option (DMO)

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- The database migration option (DMO) is an integrated part of the software update manager (SUM) and not a separate tool.
- The upgrade procedure differs from the upgrade part of the database migration option
  - A standard upgrade requires a main database upgrade, DMO not.
  - In a standard upgrade, you have manually to run the ASU toolbox, and/or the upgrade pre/post task lists, DMO includes them automatically.
- The (heterogeneous) migration procedure to SAP HANA differs from the heterogeneous system copy
  - The DMO procedure uses a UI5 browser based frontend based on the SAP host agent, SUM the classical JAVA based GUI frontend.
  - The start release can be already SAP NetWeaver 7.0 (SPS17/SP19).
  - The specific script SMIGR\_CREATE\_DDL run's already automatically in the source release.
  - The in-place migration (related to the PAS) uses parallel export/import (via pipes) and is not comparable to the SWPM procedure. The usage of manual created MigMon scripts is not supported and not compatible with the DMO procedure.
  - The DMO procedure call's a reduced version of the ASU toolbox and the pre/post task lists for upgrade and migration, SWPM not.
  - The DMO procedure calls the post program RS\_BW\_POST\_MIGRATION automatically, SWPM not.
  - For an optimized table splitting from the source database, also the SWPM **may call** the SUM/DMO procedure **for the split** (no further enhancement in SWPM for table splitting).
- A standard upgrade followed by a heterogeneous system copy to SAP HANA (BW based systems) is a different approach than the usage of the database migration option (upgrade with a in-place database migration)

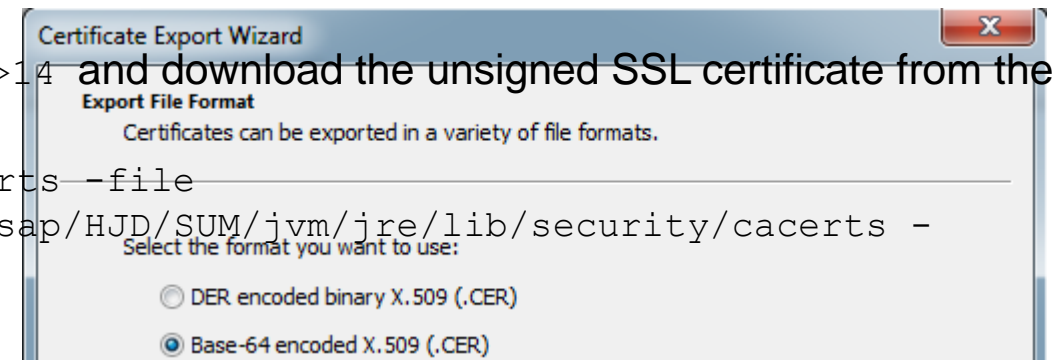
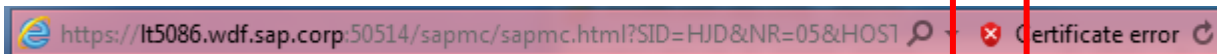
## 2 What's new with the Upgrade to SAP BW 7.40 software update manager (SUM) 1.0 changes - SSL certificates

- With SUM 1.0 SP10 and higher you have now to verify the certificates to avoid problems with the check for SSL certificates during the update process, you need to ensure the certificates are trusted. See the following example:

- `C:\Program Files\SAP\hostctrl\exe>`  
`sapcontrol -host iwdf4443 -nr 1 -function GetSystemInstanceList`
- `/usr/sap/hostctrl/exe>`  
`sapgenpse export_own_cert -v -p /usr/sap/HBD/DVEBMGS03/sec/SAPSSLS.pse -o /usr/sap/HJD/SUM/certificate_HBD_SSL.crt`
- `/usr/sap/HJD/SUM/jvm/jre/bin>`  
`./keytool -importcert -noprompt -alias HJD04 -trustcacerts -file /usr/sap/HJD/SUM/certificate_HJD_04.cer -keystore /usr/sap/HBD/SUM/jvm/jre/lib/security/cacerts -storepass changeit`

- Also for SAP BI-JAVA updates you might have to verify the SSL certificates. You have to do this for the PAS and the SCAS Instance. See the following example:

- Call the following URL `http://<server>.<domain>.<ext>:5<nn>14` and download the unsigned SSL certificate from the browser and import this to the SUM SSL certificate.
- `./keytool -importcert -noprompt -alias HJD04 -trustcacerts -file /usr/sap/HJD/SUM/certificate_HJD_04.cer -keystore /usr/sap/HJD/SUM/jvm/jre/lib/security/cacerts -storepass changeit`



## 2 What's new with the Upgrade to SAP BW 7.40

### overall stack changes

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- The ST-PI 2008\_1\_710 (and the Versions below) are replaced by the new ST-PI 7.40. If you apply/update the Add-On in advance, make sure that the SLD-LMDB connection is updated, otherwise the stack.xml would be listing two releases with the same component.
- The core components from the Gateway 2.0 Add-On are now part of the technical NetWeaver 7.40 Stack.
  - SAP Gateway Foundation 7.40 (SAP\_GWFND)
  - User Interface Technology 7.40 (SAP\_UI), furthermore at least one SP ahead of the current SPS overall.
- The SAP CTS Plug-In 2.0 (SAP\_CTS) is a independed component, which is related to the CTS system (optional component)
  - Note 2025686 - CTSPLUG 200: TMS dumps with CL\_CTS\_BOOTSTRAP\_PLUGIN\_MGR, CL\_CTS\_SERVER or CL\_CTS\_COMMON\_TOOL
  - Note 2036254 - Dumps with CL\_CTS\_COMMON\_TOOLS in SAP NetWeaver 7.02 SP15, 7.31 SP11 and 7.40 SP6-8

# 2 What's new with the Upgrade to SAP BW 7.40

## Important Notes corrections to consider

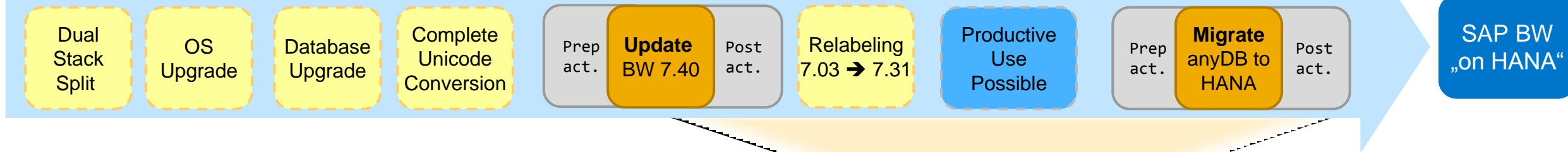
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- Errors with Upgrade to BW 7.40 SP08 and higher
  - Note 1709947 - SP29:Field length wrong in source and target of TRF
  - Note 1943752 - SYNTAX\_ERROR Dump in Customer Program or Customer Exit Code after Upgrade to BW7.4
  - Note 2036310 - Incorrect AIM execution: No repeated activation of successfully processed objects; technical enhancement
  - Note 2076059 - After upgrade to later BW releases, key figure values are not displayed correctly
  - Note 2077976 - Table pool deletion incorrectly handled
  - Note 2086899 - Upgrade phase MAIN\_SHDRUN/ACT\_UPG returns error messages
  - Note 2091348 - CD: No call of BAdI on shadow instance during upgrade
  - Note 2120719 - RC = 12 during script-based Inhouse transport, error RSO 781
  - Note 2136898 - Missing Database Index after Upgrade from SAP Business Warehouse 7.40 SP8 to 7.40 SP 10 or lower on non-SAP HANA database systems
  - Note 2146347 - Planning DSO: Error RSDODSO 256 after upgrade from BW 7.3X
  - Note 2125844 - Automatic upload of profiles after an upgrade
  - Note 2049119 - AS ABAP 7.40: Cannot call transactions SM04 and SM50
  - Note 2168131 - P12: Missing authorization checks
  - Note 2161094 - BW on HANA: Upgrade BW 7.3x -> 7.4x: Column Views missing after running RS\_BW\_POST\_MIGRATION

# Comparison of the Standard and New Migration Processes

new option also reduces time by eliminating prep/post activities

## Old/classical migration to SAP HANA



## With DMO now Integrated update and migration to SAP HANA



**SAP First Guidance  
available**

Legend



\* - may be a necessary step –  
depends on customer situation, start release



# SAP BW 7.40 - Query usage impact for Version 3.5

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- **If you are still running Query Designer 3.x on your BW system, please note the following:**
- The BEx tools from SAP BW 3.5 are not available in SAP NetWeaver 7.40. Whereas the Analytic Engine of BW 7.4 can still execute queries which were with the defined with the BEx 3.5 Query Designer, the workbooks created with the BEx Analyzer or WEB Templates need to be migrated . Please read “Cookbook for Migration to BEx 7.0” in SAP Note 1807522 - BEx 3.5 Objects Migration to BEx 7.0
- If you are upgrading your BW system to BW 7.40 and are still using the obsolete Query Designer 3.x, SAP provides the following additional information:
  - To check which old query features are no longer supported in 7.40, use the reporting tool described in SAP Note 1911469. This tool will check the queries in your system and shows those which contain features that are no longer supported.

# SAP BW 7.40 - further Upgrade Information

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- Additional application pre upgrade activities are described in  
[Note 1879618 - Pre Upgrade Activities for Upgrade/Update to 7.4](#)  
[Note 2176977 - Pre-upgrade measures for upgrade/update to 7.4](#)
- Do not upgrade lower than NetWeaver 7.40 SR1! (which is SP05)  
[Note 1962880 - RDDMASGL job fails during ACT\\_UPG phase during NetWeaver 7.4 upgrade](#)
- After the Upgrade run again the report RS\_TCO\_ACTIVATION\_XPRA to clean unused TCO objects in the /BI0/ namespace  
[Note 2123772 - RS TCO ACTIVATION XPRA](#)
- Oracle and DB6 based systems: please check the following SAP Note:  
[Note 1805195 - Handling and troubleshooting of tablespaces during Upgrades, EhPs and SPs updates](#)
- The maximum length of texts for characteristic values is increased. For changes that might be advised, please see  
[Note 1823174 - BW 7.40 Changes and customer-specific programs](#)  
<http://wiki.scn.sap.com/wiki/display/BI/Tips+for+Note+1823174>
- Virtual Key Figures or Characteristics do not work as expected after Upgrade to 7.4  
[Note 1717880 - Virtual Key Figures & Characteristics](#)
- Please read also [SAP Note 1600929 - SAP BW powered by SAP HANA DB: Information](#) and  
[Note 1729988 - SAP NetWeaver BW powered by SAP HANA - Checklist Tool](#) if HANA will be used (e.g. DMO)
- If the SEM Add-On is applied on the NetWeaver system, you can change the modeling in the Solution Manager for better handling at any time, see the blog "[Good News - Easier Modeling of the SEM Add-On](#)"



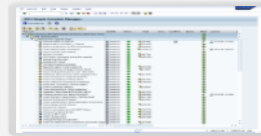
# 3 Usage of the ASU toolbox for BW

pre/post steps upgrade process

# 3 Usage of the ASU toolbox for SAP BW

Your single source for all pre and post upgrade steps

## Lower your TCO and time efforts by Managing your Upgrade with innovative tools



### 2. CTC for BW-Java

automatic connection between Abap and Java  
(Note 983156)

### 1. ASU toolbox (incl. BW Content)

one single truth for all pre/post upgrade steps  
(Note 1000009) additionally new Note 1734333

### Complete Business Suite 7 connectivity (with EhP1):

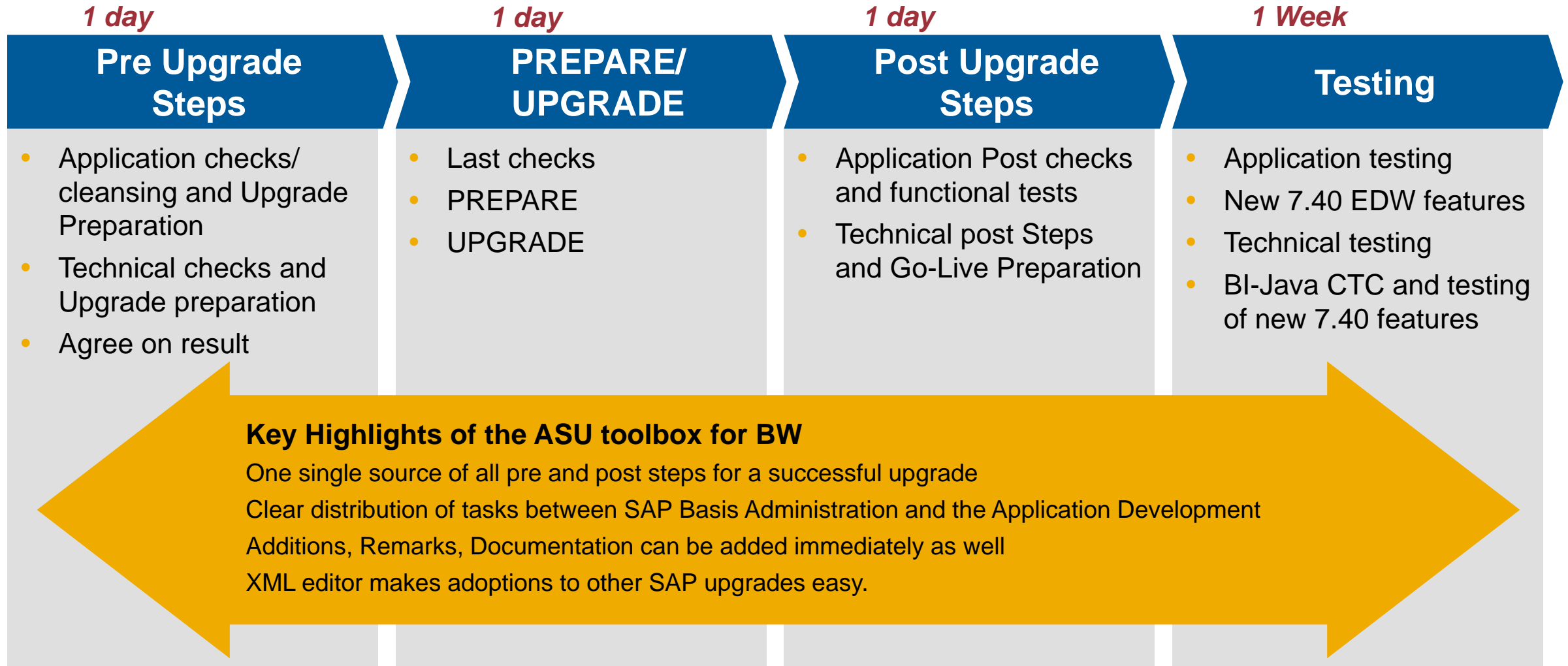
- abap - java connection (available) for connection BW-IP, EP, ESS/MSS, etc.
- abap - abap (with EhP1) for backend connection e.g. ERP, CRM, BW, PI, etc.
- java - java (upcoming) for frontend connection e.g. FPM, etc.
- Note 1178800

### Use the predefined content for:

- upgrade to NetWeaver 7.4 BW
- upgrade to ERP 6.0 EhPx
- upgrade to any SAP Product based on the NetWeaver 7.x Platform
- create/modify own content (XML based)

# 3 Usage of the ASU toolbox for SAP BW

## Upgrade process with the ASU toolbox for SAP BW

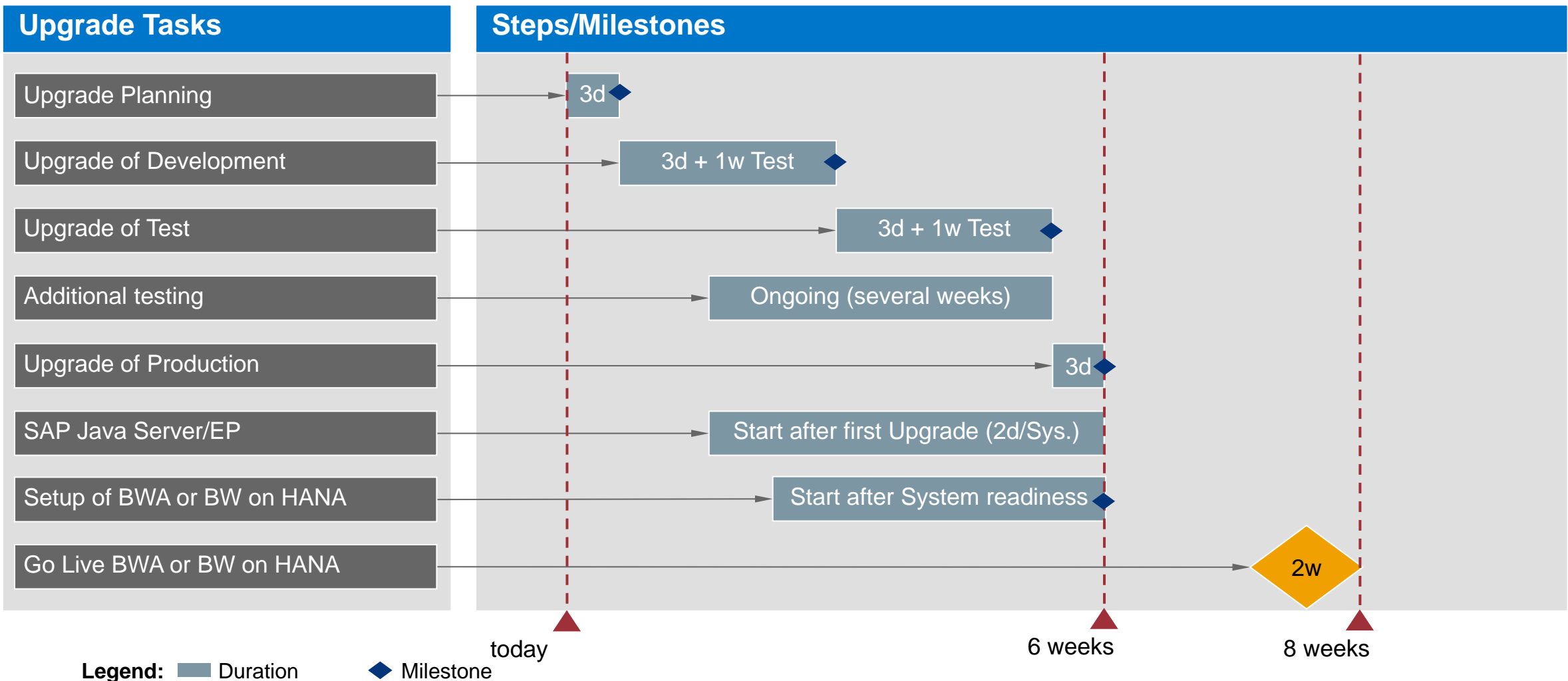


*Note: Elapsed time may be longer due to scheduling and lags, etc.*



# 3 Usage of the ASU toolbox for SAP BW

Typical project duration 6-8 weeks for a 3-system landscape



Time in total: 9d Upgrade, 10+d testing, 6d Java Inst, 9d het. Systemcopy, conversion IC/DSO individually, BW on HANA testing individually

# 3 Usage of the ASU toolbox for SAP BW

## Pre steps of ASU toolbox for SAP BW

ASU Schedule Manager: Display - BW specifics for Upgrade from BW 7.0x									
User Notes On   Display/Change Task List									
Task List	Severity	Descript.	Note	Docu.	UserRemark	Status	Spool List	Job Sta...	L...
Scenario "SAP Netweaver BW 73x" Version "20120803124023"						?			
Preparation Steps						?			
Manual Preparation Steps						?			
• check some notes before upgrade	Obligatory					?			
• Add-On Compatibility of SAP NetWeaver 7.3	Obligatory		1532805			?			
• Stop RDA Deamon	Obligatory					?			
• Regeneration of RSDRO_* Objects	Obligatory		518426			?			
• Check activate ODS Objects.	Obligatory					?			
• Upgrade Check Report RSUPGRCHECK	Obligatory		927578			?			
• Remove temporary BI tables	Obligatory					✓			22.02
• Check entries in table RSDD_TMPNM_ADM.	Optional		811354			?			
• Check/Repair Status of Info Objects	Optional		458363			?			
• Check inconsistencies with RSZ* Tables	Optional		792779			?			
• Activate Info Objects	Optional					?			
• Clean/delete the messages for error logs	Optional		1095924			?			
• Cleanup entries from table RSIXWWW.	Optional		589899			?			
• Check codepage settings.	Optional		42305			?			
• Check Master Data consistency.	Optional		1033721			?			
• Restore entries in DBDIFF	Optional		449891			?			
• Cleanup background jobs.	Optional		784969			?			

# 3 Usage of the ASU toolbox for SAP BW

## Post steps of ASU toolbox for SAP BW

**ASU Schedule Manager: Display - BW specifics for Upgrade from BW 7.0x**

User Notes On | Display/Change Task List

Task List

Task List	Severity	Descript.	Note	Docu.	UserRemark	Status	Spool List	Job Sta...	L...
Follow-Up Steps						?			
Manual Follow-Up Steps						?			
Initial system check.	Obligatory					?			
important notes after upgrade	Obligatory					?			
Migration Analysis Authorization	Obligatory					?			
Start RDA Deamon	Obligatory					?			
Set the SAP BI Menu.	Optional		725184			?			
Activate the source systems again.	Optional		538052			?			
Repair InfoObjects	Optional					?			
Activate BEx history	Optional		744009			?			
RSMDATASTATE inconsistencies after upgrade from 7.	Optional		1633303			?			
Checking compounding consistency in MultiProviders	Optional		920416			?			
ALE: Generating and reading change pointers after upg	Optional		1165059			?			
Program for transformation activation	Optional					?			
Check RSZ* Tables	Optional		792779			?			
Repair errors in RSZ* tables.	Optional		792779			?			
Migration of variants	Optional		1003481			?			
Problem with a hierarchy with remaining nodes.	Optional		922467			?			
Create dropped factviews again.	Optional		563201			?			
Activation of MultiProviders	Optional		897735			?			
TADIR entries for factviews.	Optional		563201			?			
DataSource problems after BW upgrade from 7.0 to 7.	Optional		1489064			?			

# 3 Usage of the ASU toolbox for SAP BW

Install latest ST-PI 2008 Add-On (SP07 or higher)

**ASU Schedule Manager: Display - BW specifics for Upgrade from BW 7.0x**

User Notes On **Display/Change Task List**

Task List

Task List	Severity	Descript.	Note	Docu.	U
Scenario "BW Upgrade from 7.0 " Version "20140108111111"					
Preparation Steps					
Manual Preparation Steps					
• Check some notes before upgrade	Obligatory				
• Add-On Compatibility of SAP NetWeaver 7.4	Obligatory		1826531		
• Stop RDA Daemon	Obligatory				
• <b>Check activate ODS Objects.</b>	Obligatory				
• Upgrade Check Report RSUPGRCHECK	Obligatory		927578		
• Remove temporary BI tables	Obligatory				
• Check/Repair Status of Info Objects	Optional		458363		
• Check inconsistencies with RSZ* Tables	Optional		792779		
• Activate Info Objects	Optional				
• Clean/delete the messages for error logs	Optional		1095924		
• Cleanup entries from table RSIXWWW.	Optional		589899		
• Check codepage settings.	Optional		42305		
• Check Master Data consistency.	Optional		1033721		
• Cleanup background jobs.	Optional		784969		
Fully Automated Preparation Steps					
Follow-Up Steps					
Manual Follow-Up Steps					
• Initial system check.	Obligatory				
• important notes after upgrade	Obligatory				
• Check the Secure Storage with SECSTORE	Obligatory				
• Migration Analysis Authorization	Obligatory				
• Start RDA Daemon	Obligatory				

XML can now be changed within the same screen, e.g. new or changed items/checks can be added immediate.

# 3 Usage of the Pre/Post Upgrade Task List (Note 1734333)

Automated task list option for common pre/post upgrade tasks

✓ /nSTC01

**Maintain Task List Run** SAP\_BW\_BEFORE\_UPGRADE\_20140225174750

Task List: SAP\_BW\_BEFORE\_UPGRADE

Task List Run: SAP\_BW\_BEFORE\_UPGRADE\_20140225174750

E	C...	S...	L...	Phase	Comp.	Task Description	H	P...	Paran
✓	⌚	⌚		Repair	BW	Repairs indices on InfoCube fact table(s) at the Data Dictionary level			
				Repair	BW	Re-assign requests written into the incorrect PSA partition			
				Repair	BW	Ensure request consistencies throughout the PSA landscape			
				Repair	BW	Ensure partitioned tables are correctly indexed for the PSA			
				Repair	BW	Verify DataSource segments assignment to PSA			
				Cleanup	BW	Deletes the entries that are no longer required in table RSIXW			
				Cleanup	BW	Reorganize and delete bookmark IDs and view IDs			
				Cleanup	BW	This program deletes RSTT traces			
				Cleanup	BW	This program deletes BW statistical data			
				Repair	BW	Checks BW metadata with regard to the DDIC			
✓	⌚	⌚		Cleanup	BW	Delete Aggregate data via deactivation			
✓				Prepare	BW	Confirm all end users are currently locked			
✓	⌚	⌚		Prepare	BW	Confirm BEX-Request is released and removed from table RSADMINA			
✓	⌚	⌚		Prepare	BW	Unset flags in order to skip replication and generation of source-dependent objects			
✓	⌚	⌚		Prepare	BW	Stop RDA Daemons and Process Chains			
✓	⌚	⌚		Prepare	BW	Deletes temporary/interim data used for Analysis Process Design			
✓	⌚	⌚		Prepare	BW	Deletes temporary BW tables			
✓	⌚	⌚		Prepare	BW	Deletes entries from the DDNT and DDNF tables			

## Included in:

SAP NetWeaver BW 7.00: SP32  
SAP NetWeaver BW 7.01: SP15  
SAP NetWeaver BW 7.02: SP15  
SAP NetWeaver BW 7.30: SP11  
SAP NetWeaver BW 7.31: SP11  
SAP NetWeaver BW 7.40: SP06  
otherwise implement Note 1734333



# New: SAP BW Housekeeping and Upgrade Before Tasklist

<http://scn.sap.com/docs/DOC-7856#section16>

### Maintain Task List Run SAP\_BW\_HOUSEKEEPING\_20130919133906

Task List: SAP\_BW\_HOUSEKEEPING

Task List Run: SAP\_BW\_HOUSEKEEPING\_20130919

E	C...	S...	L...	Autom. Phase	Comp.	Task Description
<input checked="" type="checkbox"/>				Repair	BW	Repairs indices on Info
<input type="checkbox"/>				Repair	BW	Re-assign requests wri
<input type="checkbox"/>				Repair	BW	Ensure request consist
<input type="checkbox"/>				Repair	BW	Ensure partitioned tab
<input type="checkbox"/>				Repair	BW	Verify DataSource seg
<input type="checkbox"/>				Cleanup	BW	Deletes the entries th
<input type="checkbox"/>				Cleanup	BW	Reorganize and delete
<input type="checkbox"/>				Cleanup	BW	This program deletes I
<input type="checkbox"/>				Cleanup	BW	This program deletes I
<input type="checkbox"/>				Repair	BW	Checks BW metadata
<input checked="" type="checkbox"/>				Postprocessing	BW	Clear all OLAP Cache p

### Maintain Task List Run SAP\_BW\_BEFORE\_UPGRADE\_20130919135523

Task List: SAP\_BW\_BEFORE\_UPGRADE

Task List Run: SAP\_BW\_BEFORE\_UPGRADE\_20130919135523

E	C...	S...	L...	Phase	Comp.	Task Description	H	P...	Parameter Description
<input checked="" type="checkbox"/>				Repair	BW	Repairs indices on InfoCube fact table(s) at the Data Dictionary level			
<input type="checkbox"/>				Repair	BW	Re-assign requests written into the incorrect PSA partition			
<input type="checkbox"/>				Repair	BW	Ensure request consistencies throughout the PSA landscape			
<input type="checkbox"/>				Repair	BW	Ensure partitioned tables are correctly indexed for the PSA			
<input type="checkbox"/>				Repair	BW	Checks BW metadata with regard to the DDIC			
<input type="checkbox"/>				Cleanup	BW	Deletes the entries that are no longer required in table RSIXWWW.			
<input type="checkbox"/>				Cleanup	BW	Reorganize and delete bookmark IDs and view IDs			
<input type="checkbox"/>				Cleanup	BW	This program deletes RSTT traces			
<input type="checkbox"/>				Cleanup	BW	This program deletes BW statistical data			
<input checked="" type="checkbox"/>				Cleanup	BW	Delete Aggregate data via deactivation			
<input checked="" type="checkbox"/>				Prepare	BW	Confirm we are at the User Lock stage of an Upgrade/Migration			
<input checked="" type="checkbox"/>				Prepare	BW	Confirm BEX-Request is released and removed from table RSADMINA			
<input checked="" type="checkbox"/>				Prepare	BW	Unset flags in order to skip replication and generation or source-dependent objects			
<input checked="" type="checkbox"/>				Prepare	BW	Stop RDA Daemons and Process Chains			
<input checked="" type="checkbox"/>				Prepare	BW	Deletes temporary/interim data used for Analysis Process Design			
<input checked="" type="checkbox"/>				Prepare	BW	Deletes temporary BW tables			
<input checked="" type="checkbox"/>				Prepare	BW	Deletes entries from the DDNT and DDNF tables			



**SAP First Guidance  
available**

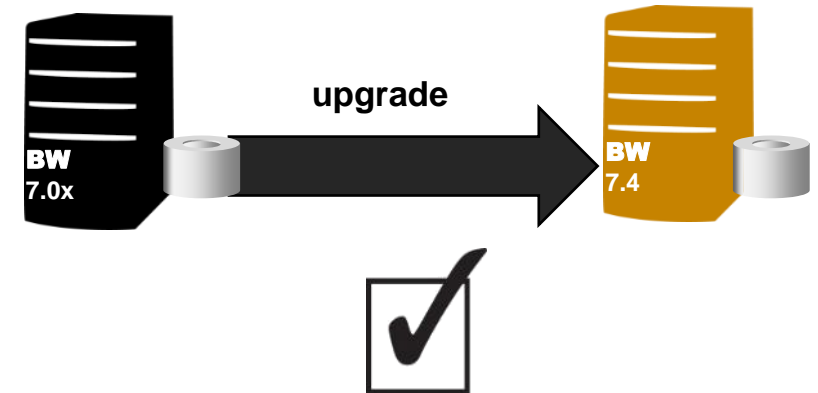
# 3 Usage of the ASU toolbox/task list for SAP BW

When to call the ASU toolbox within the technical upgrade process

Check/first call before the start of SUM 1.0 - upgrade tool

SUM 1.0 - upgrade tool for the technical upgrade procedure

Post work starts before the SUM 1.0 - upgrade tool ends with step finalization





# 4 General checks prior to the upgrade

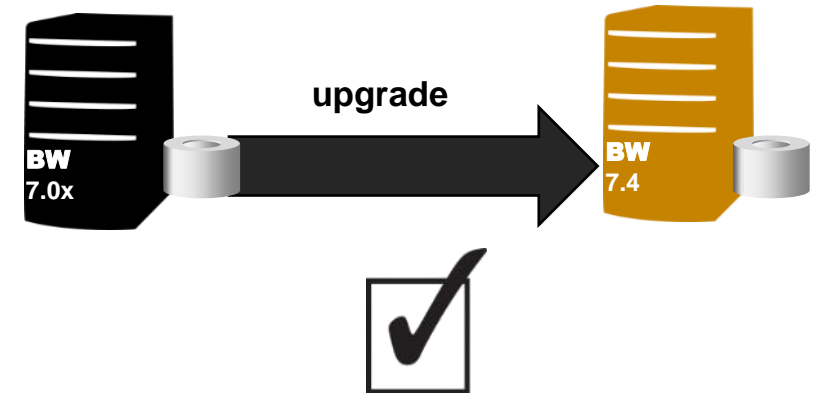
## 4 General checks prior to the Upgrade

Reminder: the ASU toolbox/task list for SAP BW is the first step for the upgrade prep.

SAP BW

Object consistency

Cleaning old data



# 4 General checks prior to the upgrade

## Note 1823174 - BW 7.4 changes and customer-specific programs

Note 1978243 - Changes to content OTCT\* due to RSCHAVL conversion

KBA Note 2184825 - Field TCTIOBJVAL: Date type change from SSTRING to CHAR not possible

KBA Note 2193921 - Running RSD\_XPRA\_REPAIR\_OTCTIOBJVL\_740 - Error during Activation of Content

**Dictionary: Display Table**

Transp. Table: /BIC/SYBBWKOBEB Active

Short Description:

Attributes | Delivery and Maintenance | Fields | Entry help/check | Currency/Quantity Fields

1 / 9

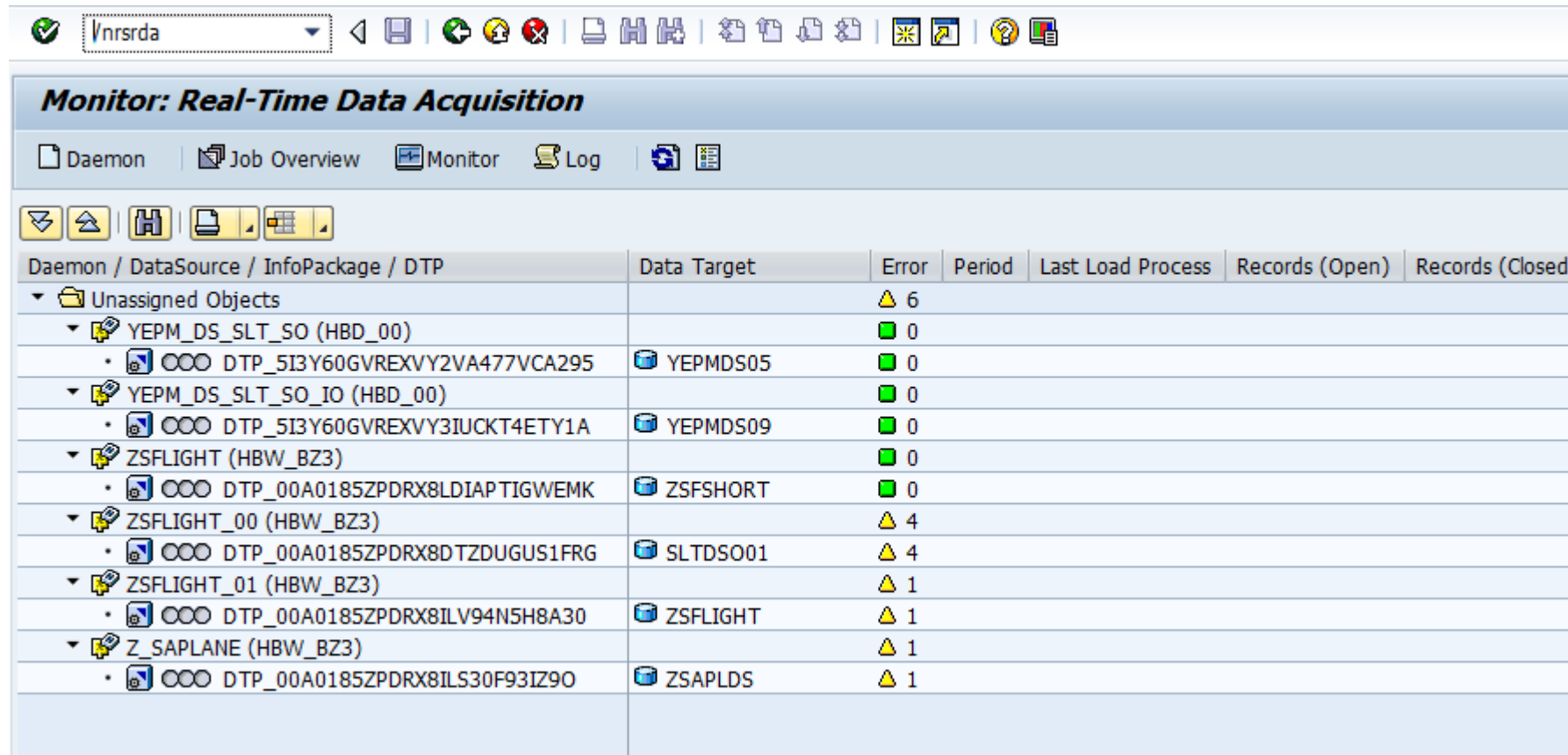
Field	Key	Ini...	Data element	Data Type	Length	Deci...	Short Description
/BIC/YBBWKZDHHK	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	/BIC/OIYBBWKZDHHK	CHAR	9	0	Flag DataSource
TCTIOBJVAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	RSCHAVL_MAXLEN	CHAR	60	0	Characteristic Value (Maximum Length)
/BIC/YBK6GESSE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	/BIC/OIYBK6GESSE	CHAR	4	0	Company
/BIC/YBBWKOBEB	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	/BIC/OIYBBWKOBEB	CHAR	12	0	
.INCLUDE	<input type="checkbox"/>	<input checked="" type="checkbox"/>	RSDSIDATTR	STRU	0	0	Attributes part of the SID table
SID	<input type="checkbox"/>	<input type="checkbox"/>	RSSID	INT4	10	0	Master data ID
CHCKFL	<input type="checkbox"/>	<input type="checkbox"/>	RSDCHCKFL	CHAR	1	0	Flag: Value in check tables
DATAFL	<input type="checkbox"/>	<input type="checkbox"/>	RSDDATAFL	CHAR	1	0	Flag: Value in dimension or available as attribute
INCFL	<input type="checkbox"/>	<input type="checkbox"/>	RSDINCFL	CHAR	1	0	Flag: Value is built into all inclusion tables

Replace RSCHAVL with the RSCHAVL\_MAXLEN before the upgrade.



# 4 General checks prior to the upgrade

New with SAP BW 7.0x → stop all daemon process



Daemon / DataSource / InfoPackage / DTP	Data Target	Error	Period	Last Load Process	Records (Open)	Records (Closed)
▼ Unassigned Objects		▲ 6				
▼ YEPM_DS_SLT_SO (HBD_00)		■ 0				
• YEPM_DS_SLT_SO (HBD_00) DTP_5I3Y60GVREXVY2VA477VCA295	YEPMDS05	■ 0				
▼ YEPM_DS_SLT_SO_IO (HBD_00)		■ 0				
• YEPM_DS_SLT_SO_IO (HBD_00) DTP_5I3Y60GVREXVY3IUCT4ETY1A	YEPMDS09	■ 0				
▼ ZSFLIGHT (HBW_BZ3)		■ 0				
• ZSFLIGHT (HBW_BZ3) DTP_00A0185ZPDRX8LDIAPTIGWEMK	ZSFSHORT	■ 0				
▼ ZSFLIGHT_00 (HBW_BZ3)		▲ 4				
• ZSFLIGHT_00 (HBW_BZ3) DTP_00A0185ZPDRX8DTZDUGUS1FRG	SLTDSO01	▲ 4				
▼ ZSFLIGHT_01 (HBW_BZ3)		▲ 1				
• ZSFLIGHT_01 (HBW_BZ3) DTP_00A0185ZPDRX8ILV94N5H8A30	ZSFLIGHT	▲ 1				
▼ Z_SAPLANE (HBW_BZ3)		▲ 1				
• Z_SAPLANE (HBW_BZ3) DTP_00A0185ZPDRX8ILS30F93IZ90	ZSAPLDS	▲ 1				

# 4 General checks prior to the upgrade

Activate all DataStore objects - valid for all SAP BW Releases 3.x and 7.0x

SAP

Modeling

Administration

- Process Chains
- BI Administration Cockpit
- Monitors
  - BI CCMS
  - Load Data
  - Open Hub
  - Real-Time Data Acquisition
  - BI Accelerator
  - Change Run
  - Precalculation Server
  - Aggregates
  - DataStore Objects**
  - Workload
  - BI Delta Queue
- Change Run
- Broadcasting
- Analysis Authorizations
- Metadata Search/Documents
- Remodeling
- Repartitioning
- Request Administration Archiving
- Analysis of BI Objects
- Current Settings

Transport Connection

Documents

BI Content

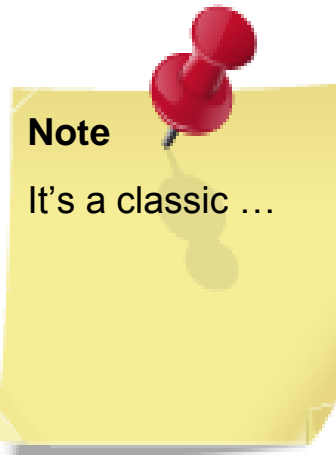
Translation

Metadata Repository

Ma...

### Status Overview of DataStore Objects

A..	DataStore Object	Technical Name	Last Loading Requ..	Loading Status	Activated up to Reques..	Activate	Update..	Update
		ZAH_DEM2	106.162		106.160		0	
		ZAH_DEM3	106.163		106.163		0	
		ZAH_DEMO	106.158		106.158		0	
		ZAH_DS1	106.052		106.052		0	
		ZAH_TMPL	0		0		0	
	Single Flight Bookings (DataStore Obj	ZBC_DML	0		0		0	
	Single flight Booking	ZBOOK_DS	110.235		110.235		0	
	SAP Verification Test: UR Phase 1 CC	ZBWWO_P1	0		0		0	
	Demo DataStore	ZDEMO_DS	0		0		0	
	Monitor Demo	ZDEMO_MO	110.353		110.353		0	
	Write-optimized DataStore (Write-Opti	ZDEMO_WO	0		0		0	
		ZDJ_DS01	0		0		0	
	Direct Update ( Direct Update )	ZDSO1	0		0		0	
	Flat file load ( Write-Optimized )	ZDSO2	111.167		111.167		0	
	Integrated DSO (obsolete?) ( Write-Op	ZDSO4	111.220		111.220		0	
	Fleet Manager - Corporate Memory (V	ZDSO5	111.515		111.515		0	
	ZDSO_03	ZDSO_03	0		0		0	
	Data Staging ODS	ZDSTGODS	0		0		0	
	FABCUBE Sales ODS 5	ZFABODS5	6.770		6.757		0	
	FABCUBE Sales ODS 6	ZFABODS6	6.816		345		345	
	Rechnungen ( Write-Optimized )	ZINVOICE	0		0		0	
	SAP Verification Test : New PSA Servi	ZPSAODS1	6.837		442		0	
	SAP Verification Test : New PSA Servi	ZPSAODS2	6.837		442		0	
	SAP Verification Test : New PSA Servi	ZPSAODS3	6.837		442		0	
	SAP Verification Test : New PSA Servi	ZPSA_ODS	6.837		442		0	
	hrr ( Direct Update )	ZRSA	0		0		0	
	Ship to Ref Int Check ODS	ZSHIPRI	0		0		0	
	TechEd Demo DSO	ZTCHDSO	110.111		110.111		0	
	TC Test- ODS 01	ZTCODS01	108.702		108.684		0	
	TC Txn ODS 011 ( Direct Update )	ZTCODS11	0		0		0	
	TC Test- ODS from Cube 504	ZTCODS54	108.780		108.780		0	
	TC Test- ODS54 to ODS74	ZTCODS74	0		0		0	
	ThomasScenarioSimpleODSObject	ZTS_ODS	109.363		109.363		0	
		ZZAB_ODS	0		0		0	
		ZZCTODS	126.916		0		0	
		Z_ATMB2	0		0		0	
		Z_ATMB3	109.268		109.268		0	



# Repair Inconsistent InfoPackages - transaction RSBATCH

[illegible]

# 4 General checks prior to the upgrade

## Further general upgrade checks - SAP\_DROP\_TMPTABLES / RSUPGRCHECK

### ***Removes temporary database objects***



#### Caution

This Report Deletes Temporary Objects

If any objects are still in use, crucial processes may terminate

See SAP Note 449891

The following objects need to be deleted:

☒ Temporary Tables (Type 01/0P)

☒ Temporary Views (Type 03/07)

☒ Temporary Hierarchy Tables(02)

☒ Temporary SID Tables (06)

☒ Generated (Temporary) Reports

### ***RSUPGRCHECK***



#### Checking the DDIC Consistency

☒ InfoObjects

☒ DataStore Objects

☒ InfoCubes

☒ Transfer Rules

☒ ....Display Log

# 4 General checks prior to the upgrade

Check the Secure Storage with SECSTORE - e.g. system created by copy

**Administration Program for Secure Storage**

Status of Secure Storage  
✓ Secure Storage AB

Select Procedure  
Check Entries  
Information  
Old System Name  
Old Installation Number  
Release Key

Insestore

**Contents of Secure Storage**

Maintain Clean Up Delete

Client / Application / Entry	Nu...
Secure Storage	14
Client-Independent	13
RFC Destinations	10
ICF Service	3
003 BW	1
Others	1

Ty...	Cl.	ID of record in secure memory	Message Text
✓		/ICF/D1I20K297OYR3RDKP0P66SU0A	Migration is not required
✓		/ICF/D1I80JI8F8WQXDUJICE1G86ZY	Migration is not required
✓		/ICF/D1SJLT1Y1HHTHIQL38A04DFQI	Migration is not required
✓		/RFC/ARCWEB_AUTH	Migration is not required
✓		/RFC/GTADIR_SERVER	Migration performed successfully
✓		/RFC/IDD	Migration performed successfully
✓		/RFC/QWACLNT100	Migration performed successfully
✓		/RFC/SAPCMP	Migration is not required
✓		/RFC/SAPOSS	Migration is not required
✓		/RFC/T90CLNT090	Migration performed successfully
✓		/RFC/testi	Migration is not required
✓		/RFC/TMSADM@CIM.DOMAIN_CIM	Migration is not required
✓		/RFC/XI_INTEGRATIONSERVER_DY8	Migration performed successfully
✓	003	BC_INIT	Migration is not required

# Example runtime for SAP BW 7.40 upgrade

## Running at the end of the technical upgrade

### Upgrade with Software Update Manager on NW system release 740

OPEN ALL

CLOSE ALL

>>XPRAS

>>TRANSPORTS

>>Components

>>AFTER-IMPORT-METHODS

>>Process statistics

>>PREPARE

>>CONVERSIONS

>>MAIN

>>SQLs

System

Start-Release:

SID:

DB-Type:

DB-Version:

DB size (initial):

DB size (final):

NR-Clients (productive):

730

CIH

HDB

1.00.74.00.390550

0.00/0.00 GB

56.40/61.86 GB

1 (0)

Destination-Release:

Installation number:

OS-Type:

OS-Version:

SAP-Host:

Batch host:

DB-Host:

740

SAP-INTERN

Windows NT X86\_64

6.1

iwd4366

iwd4366

lt5007.wdf.sap.corp

Configuration

Strategy:

Batch processes:

R3trans processes:

SGEN processes:

Imported Languages:

J2EE present:

Downtime-minimized

8/8

8/8

8

ED

0

Archiving:

Uptime processes:

R3load processes:

CRR processes:

Used nZDM capabilities:

STOPSAP\_TRANS

8

42796384

no

Times

Start date:

Minimum downtime:

Since START\_SHDI\_FIRST:

2014/04/16 16:15:15

9:07:42

22:24:47

End date:

Runtime:

Since EU\_IMPORT:

2014/04/27 23:23:27

28:44:09

23:18:05

Versions

SAPup

Export:

Control:

lmt\_006 Version: 55.000 UNICODE

Thu Nov 14 06:47:59 CET 2013

Thu Nov 14 11:30:24 CET 2013

Misc:

Kernel:

Fri Nov 15 13:20:47 CET 2013

Apr 6 2014 01:25:36

Tool versions

Source

Destination

Tool

Rel

PL/Date

Rel

PL/Date

disp+work

721

227 /Apr 12 2014 03:12:22

741

29 /Apr 6 2014 01:25:36

tp

721

227

741

24

R3trans

721

225 /27.03.14

741

28 /27.03.14

R3load

721

214 /Apr 11 2014 23:11:20

741

24 /Apr 5 2014 21:40:35



# Additional post activities for SAP BW 7.40 upgrade - ABAP related

## Support Package Stack - always check for high priority/hot news as well

- To shorten dramatically the test cycle after the technical upgrade, please ensure that you checked for the SAP Notes which were released after the corresponding Support Package is available. Example: you applied SP06 for BW 7.40 during the Upgrade, so the Keyword is “SAPKW74007 (Stack + 1) in the SAP Notes Search
- Information about Support Packages can be found here <http://scn.sap.com/docs/DOC-35784>

Not satisfied?

[New Search](#)

Redefine search terms

[go](#)

The following terms may help you:

[Note 1955499](#)

[Note 1951409](#)

[Note 1950117](#)

[News NW BW](#)

[BW News NW](#)

[SAPKW73112](#)

[SAPKW73012](#)

[Note 1940530](#)

[Note 1940531](#)

[Note 1936601](#)

Restrict your search by:

Category (22)

Program error (22) [go](#)

Application Area (22)

BW (22) [go](#)

More Terms (19)

ACCELERATOR (1) [go](#)

Search in SAP xSearch

[go](#)

View

Sort

Download

Language: English

You search for: **SAPKW74007**, Search Method **All Terms (AND)**, Search Range **All**

Search criteria: no criteria

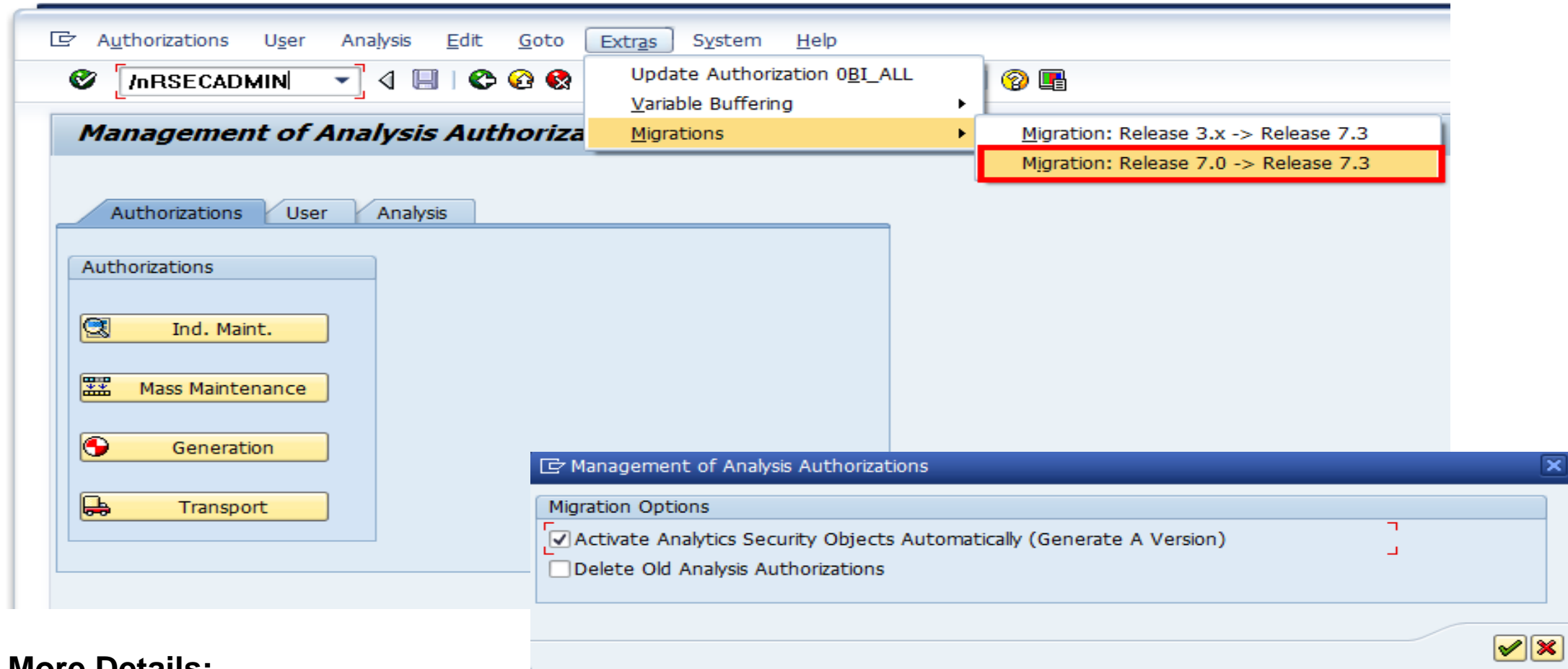
Post search-restrictions: **Priority** ( Correction with high priority )

22 SAP Notes found

	Ranking	Application Area	Number	Short text	Released On
<input type="checkbox"/>	1. 0.240	BW-WHM-DBA-ICUB	1980065	<a href="#">Data loss in the event of inconsistencies between InfoCube metadata with cubesu</a>	24.02.2014
<input type="checkbox"/>	2. 0.230	BW-WHM-DST-PC	1981893	<a href="#">Errors with client-dependent chain in after-import</a>	21.02.2014
<input type="checkbox"/>	3. 1.000	BW-PLA-BPC	1964403	<a href="#">DDIC Objects and messages for the Note 1932780</a>	20.02.2014
<input type="checkbox"/>	4. 1.000	BW-BEX-OT-WSP	1883857	<a href="#">BW Workspace: Filter in tables does not work as of 7.31</a>	19.02.2014
<input type="checkbox"/>	5. 0.240	BW-WHM-DBA-ODS	1977489	<a href="#">SAP HANA: SID values missing after activation for referencing characteristics w</a>	12.02.2014
<input type="checkbox"/>	6. 0.240	BW-SYS-DB-DB6	1972055	<a href="#">DB6: Incorrect transformation of currencies with three and more decimal places</a>	12.02.2014
<input type="checkbox"/>	7. 0.240	BW-SYS-DB-MSS	1970947	<a href="#">Incorrect transformation of currencies with three and more decimal places (MSSQ</a>	11.02.2014
<input type="checkbox"/>	8. 1.000	BW-WHM-MTD-HMOD	1955345	<a href="#">RS2HANA: Generation of authorizations before and after SAP HANA Revision 70/71</a>	31.01.2014
<input type="checkbox"/>	9. 1.000	BW-SYS-DB-DB2	1858051	<a href="#">Database extension for accelerated reporting</a>	31.01.2014
<input type="checkbox"/>	10. 0.230	BW-WHM-DST-ARC	1966432	<a href="#">Event-based Backup Automation does not work anymore with IQ 16.0 SP 3</a>	27.01.2014
<input type="checkbox"/>	11. 1.000	BW-SYS-DB-DB2	1965192	<a href="#">Note DB2-z/OS: BW: ANALYZE with RTS refresh</a>	16.01.2014
<input type="checkbox"/>	12. 1.000	BW-PLA-BPC	1964468	<a href="#">Transformations for the Note 1932780</a>	16.01.2014
<input type="checkbox"/>	13. 1.000	BW-BEX-OT-BIA	1955263	<a href="#">Support MPRO activation when CalcScenario Generation fails</a>	16.01.2014
<input type="checkbox"/>	14. 1.000	BW-SYS-DB-DB2	1801132	<a href="#">DB2-z/OS: DB2 Accelerator support, latest FixPack</a>	15.01.2014

# Migrate the SAP BW Authorization to 7.40

## Transaction RSECADMIN



### More Details:

■ [http://help.sap.com/saphelp\\_nw73/helpdata/en/45/5ae49cee142a50e10000000a11466f/frameset.htm](http://help.sap.com/saphelp_nw73/helpdata/en/45/5ae49cee142a50e10000000a11466f/frameset.htm)

# Activate the technical content in SAP BW 7.40

## Transactions RSTCO\_ACTIVATE and RS\_PERS\_ACTIVATE

SAP

Installation



○○■ Status

Activation Successful

Start Installation

Log

Date/Time from

28.07.2015

15:24:35

Date/Time to

28.07.2015

17:24:35

Display Log

Activating/Deactivating Personalization in BEx



BEx History

Variables Personalization

WebReport Personalization

■

■

■



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53

# Activate ABAP WebDynpro in SAP BW 7.40

## Transactions SICF\_INST/SICF/SGEN

The screenshot displays the SAP SICF transaction interface. The top menu bar includes 'Program', 'Edit', 'Goto', 'System', and 'Help'. Below the menu, a toolbar contains various icons for navigation and actions. The main title bar reads 'ICF: Report for Activating Special Service During Installation'. The 'Technical Name' field is highlighted with a red box, showing 'WEB\_DYNPRO\_ABAP' to 'WEB\_DYNPRO\_DBA\_CO...'. Below this, the 'Maintain Services' section is visible, featuring a 'Filter for Calling ICF Hierarchy' table. The table has columns for 'Hierarchy Type', 'Virtual Host', 'Service Path', 'Service Name', 'Reference Service', 'Description', and 'Language'. The 'Service Name' field is highlighted with a red box, showing 'RSDMDM\_MD\_\*'. The 'Language' field is set to 'English'.

Program Edit Goto System Help

✓ \nSICF\_INST

**ICF: Report for Activating Special Service During Installation**

Technical Name WEB\_DYNPRO\_ABAP to WEB\_DYNPRO\_DBA\_CO...

✓ \nSICF

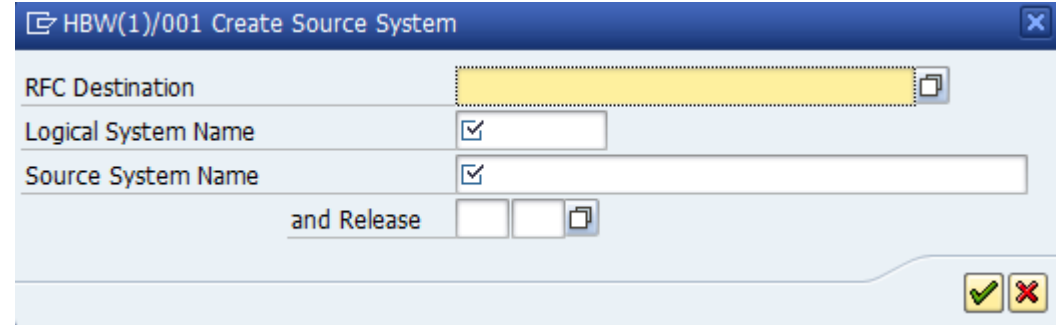
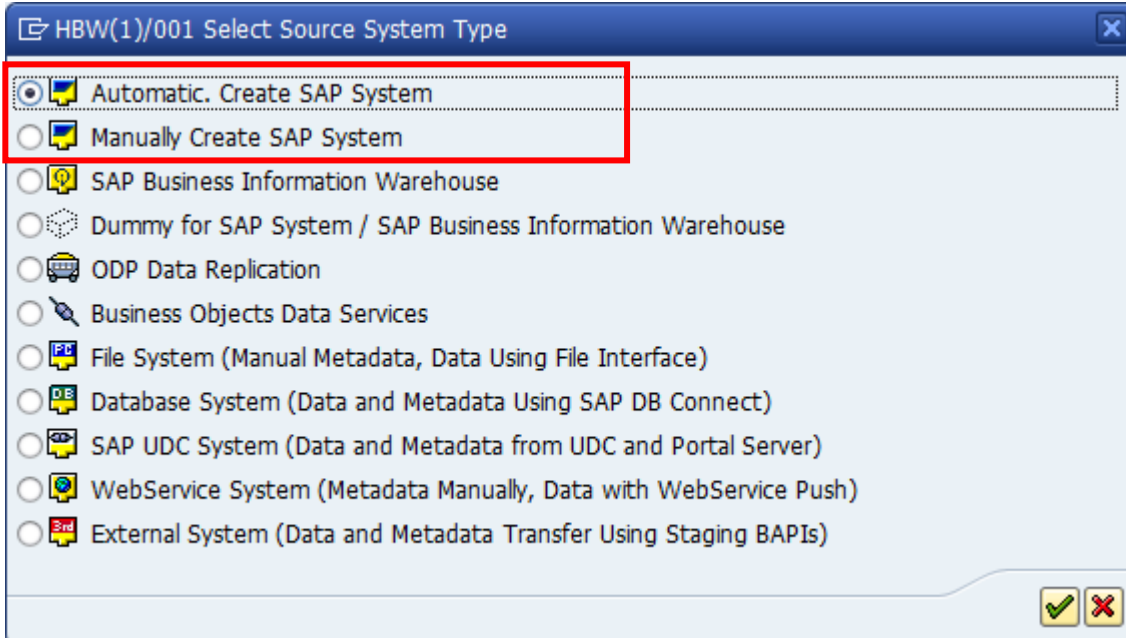
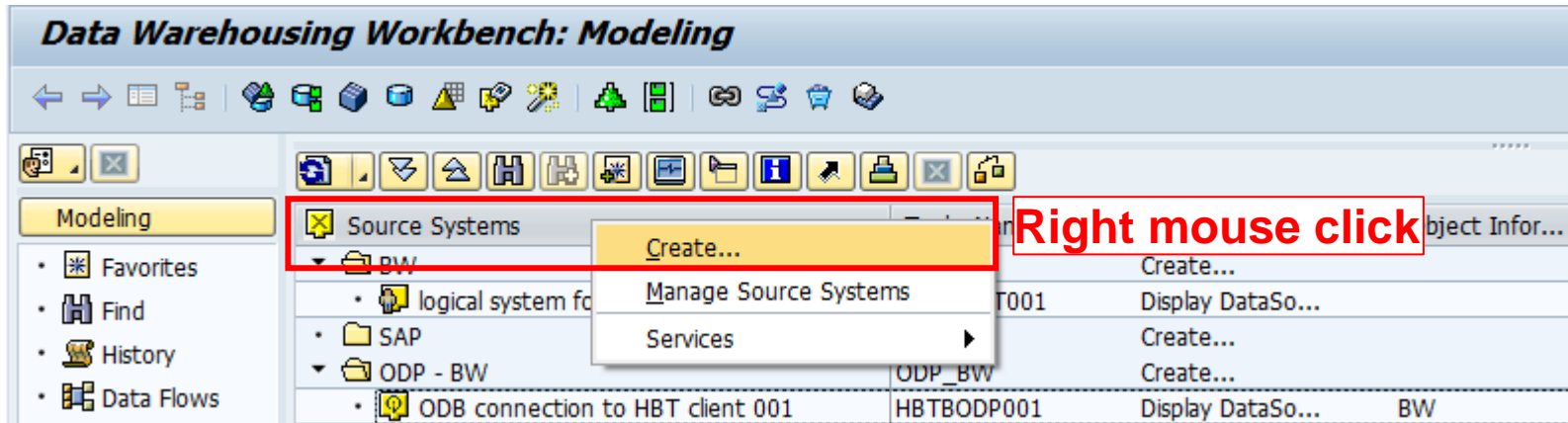
**Maintain Services**

Filter for Calling ICF Hierarchy

Hierarchy Type	SERVICE
Virtual Host	
Service Path	
Service Name	RSDMDM_MD_*
Reference Service	
Description	
Language	English

- Note 1969105 - Master data maintenance for InfoObjects does not start
- Note 1088717 - Active services for Web Dynpro ABAP in transaction SICF

# Creating a Source System with SAP BW 7.40



What ever you choose, everything will end in a manual creation of a Source System.

• <http://scn.sap.com/docs/DOC-11075>

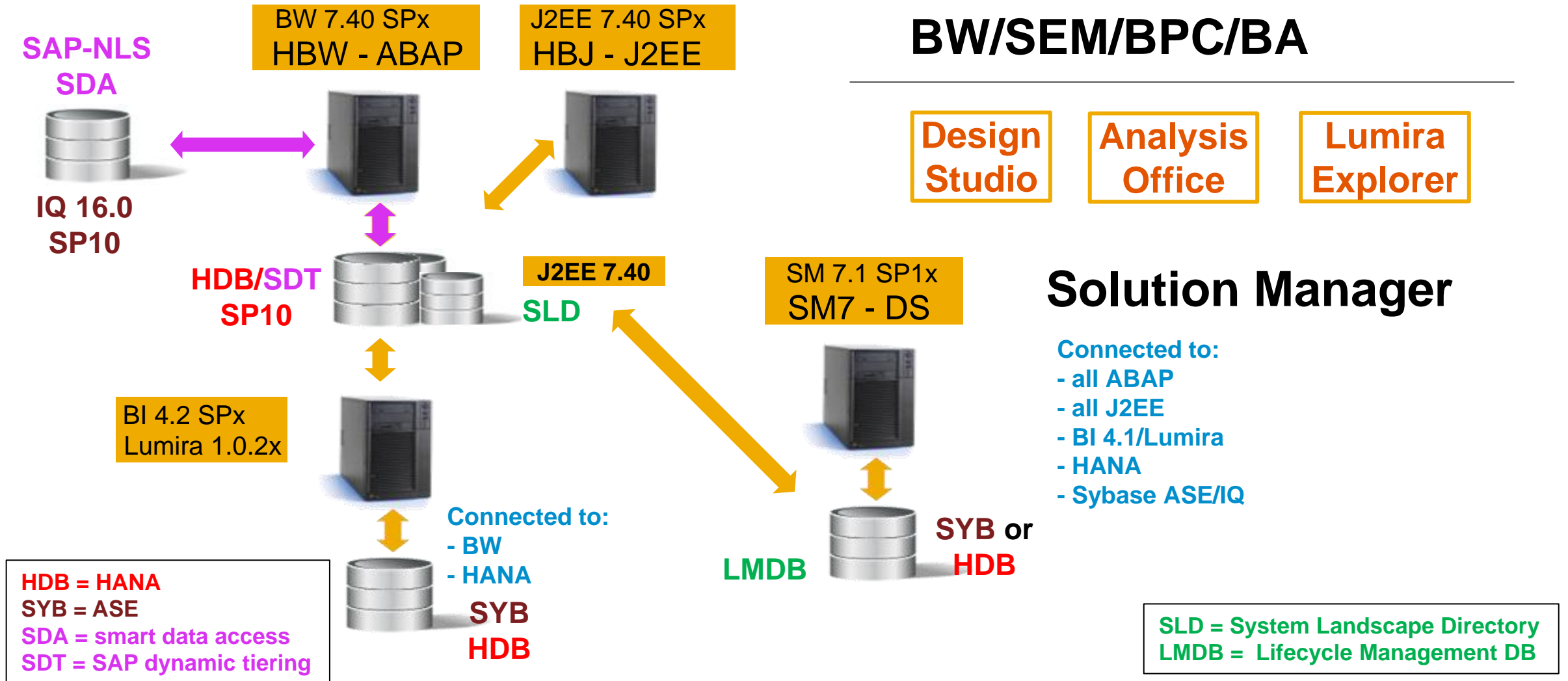


# 5 Summary



# SAP Business Intelligence Architecture

Based on SAP BW 7.40 on SAP HANA and additional components



## Conclusion: SAP BW? - three things to know ...

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**1**

New SL Common UI available for AS ABAP  
Blog: Upgrade has never been easier ...

**2**

The Upgrade from 7.0x to 7.4 is possible directly/one step including SEM  
Blog: Good News - Easier Modeling of the SEM Add-On in Solution Manager

**3**

SAP Business Warehouse 7.4  
SAP BW 7.4 on SAP HANA / The In-Memory Data Fabric

# 5 Summary

## Further information

### SAP Public Web

#### SAP Community Network (SCN):

- SAP BW application lifecycle management (ALM) page  
<http://scn.sap.com/docs/DOC-7856#section8>
- Upgrade to SAP BW 7.3x - Technical Aspects  
<http://scn.sap.com/docs/DOC-30452>
- SEM Add-On specific information  
<http://service.sap.com/~sapidb/011000358700000890142012E>
- Support Package Stack Schedule  
<http://service.sap.com/~sapidb/011000358700000294692004>

#### SAP Help Portal:

- SAP end to end implementation roadmap: <http://help.sap.com/nw74/#section2>

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