

# Enhancement package 1 for SAP NetWeaver 7.0 - Business Warehouse



Product Management SAP NetWeaver BW

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THE BEST-RUN BUSINESSES RUN SAP



## Enhancement Package 1 for SAP NetWeaver 7.0



Enhancement Package 1 for SAP NetWeaver 7.0 supports additional modeling capabilities in area of **Enterprise Data Warehousing** which provide better data consistency, enhanced administration features and improved mass data handling.

In the area of **Enterprise Reporting, Query, and Analysis** additional flexibility for Information Broadcasting, Formatted Reporting and BEx

# Ramp-Up Enhancement Package1 for SAP NetWeaver 7.0



## Application:

- If customers want to apply, please contact your responsible Account Executive. He/She will assist you with further information about SAP Ramp Up.

## Links:

- Further information about SAP Ramp-UP:

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

- Ramp-Up Enhancement Package1 for SAP NetWeaver 7.0 :

[http://service.sap.com/~form/sapnet?\\_SHORTKEY=01100035870000710677](http://service.sap.com/~form/sapnet?_SHORTKEY=01100035870000710677)

# Agenda



SAP

## Preliminary and Latest Enhancements

- a. **Enterprise Data Warehousing**
- b. Enterprise Reporting, Query, & Analysis
- c. SAP BusinessObjects Integration
- d. SAP Business Planning and Consolidation, version for SAP NetWeaver

## Master Data Quality

- **Referential Integrity Checks for Master Data Attributes**
  - **Data Transfer Process (DTP) supports referential integrity checks for navigational attributes of the target InfoObject during the load of master data**

## Delta Consistency for write-optimized DataStore Objects

- **Disable delta consistency check for write-optimized DataStore Objects**
  - **Protects delta requests that have been already propagated per delta mode from being deleted.**
  - **Can be switched on/off – e.g. for write-optimized DataStore objects as initial staging layer**

## Simplification and TCO: Flexible Deletion Options in process types

- **Flexible deletion of PSA/Change Log**
  - **By using selection patterns**
  - **Patterns support DataStore Object and InfoArea or DataSource and Source System**
  - **Changed process types for flexible deletion of requests from PSA and Change Log by using selection patterns. Placeholders can be used for the fields DataStore Object and InfoArea or DataSource and Source System. This has the advantage that all requests for objects that are named after a specific pattern are always selected.**

## Near-Line Storage Enhancements

- **NLS Interface supported for write-optimized DataStore Objects**
  - **ADK Archiving supported**
  - **Based on Request Id**
  - **Load Date of Request or Creation Date of Request**
  - **Semantic grouping**
  
- **NLS Interface extension for lookups**
  - **A look up API supports access to NLS partitions of InfoProviders during Transformations. The API has to be called using ABAP routines.**

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## Excel Integration

- **Using Variants in Excel Precalculation**
  - **User variants can be used for Excel precalculation**
- **Copy & Paste from a grid into the Selector value list**
  - **The end user can insert values to the input help via copy paste, for example directly from the Excel workbook**
- **Refresh individual queries within a workbook**
  - **A single DataProvider refresh is possible, vs. a global refresh of all the queries in the workbook**
- **Copy sheet**
  - **The user can copy a worksheet with all enclosed design items like table, charts, source system,...**



## AdHoc Query & Analysis (BEx Web Analyzer, BEx Web Runtime)

- **New Entry in the context menu**
  - **User defined navigation steps can be made available in the context menu, like special filters,...**
- **Map navigation enhancements:**
  - **Support of Dynamic Geo-Characteristics**
  - **Advanced Geo-Function Bar with functionalities like zoom in/out,...**
- **Export and print of additional web items**
  - **The items Document list item, Single document Item can be exported and printed**

## Query, Reporting & Analysis Design

- **Report Designer/Item: Chart depending on group level context**
  - **Dynamic chart based on the characteristic value**
  - **Example: on chart per country, on chart per cost center,...**
- **Improved text handling for localization in the Report Designer**
  - **Language dependant text with transport and language key**

## BEx Broadcasting

- **On-line link to views**
  - **Views can be broadcasted as other objects like queries, web application,...**

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## SAP NetWeaver BW Accelerator & SAP BusinessObjects Polestar

- **Enable SAP BusinessObjects Polestar as additional client for BW Accelerator**
  - **Very easy, intuitive UI paired with BW Accelerator's high scalability**
- **Polestar Benefits**
  - **Self-service BW for knowledge workers**
  - **Ability to answer investigative questions**
  - **Ability to get fast facts**
  - **Understand new data**
  - **Further reduce IT and report author backlog**
- **Pre-requisites**
  - **Enhancement Package 1 for SAP NetWeaver 7.0 SP 2 (\*)**
  - **SAP NetWeaver Business Intelligence Accelerator 7.0 revision (tbd)**
  - **BusinessObjects Enterprise XI 3.1**
  - **SAP BusinessObjects Polestar 3.1 (only on Windows or AIX)**

(\*) EHP 1 for SAP NetWeaver 7.0 SP 2 planned for middle of October 2008



## Relational Universe Access to SAP NetWeaver BW / BWA

- **Alternative access to dimensional universe access (through query or InfoProvider via OLAP BAPI/MDX)**
- **Direct data manager/aggregation engine access**
  - **Via SQL and BusinessObjects Data Federator**
  - **High performance access to SAP NetWeaver BW's data models**
  - **No limitation in terms of number of cells**
  - **Federation across SAP NetWeaver BW and other sources**
  - **Full support of SAP NetWeaver BW Accelerator**
  - **Note: direct data manager support, NOT via queries (i.e.no support of query options (calculated key figures, exceptions, time-dependent master data etc.))**
- **Pre-requisites**
  - **Enhancement package 1 for SAP NetWeaver 7 SP 3**
  - **BusinessObjects Enterprise XI 2.0 or 3.0**
  - **Data Federator XI 3.0 SP 1**



## MDX Improvements for WebI

- **Leaner integration for MDX-based/OLAP BAPI-based access for WebI**
- **Optimized interoperability**
- **Pre-requisite: Enhancement Package 1 for SAP NetWeaver 7.0 SP 3**

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## Preliminary and Latest Enhancements

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- b. Enterprise Reporting, Query, & Analysis
- c. SAP BusinessObjects Integration
- d. **SAP Business Planning and Consolidation, version for SAP NetWeaver**



## Enhancements in Enhancement Package 1 for SAP NetWeaver BW 7.0 that BPC is leveraging

- Multiple enhancements to the cube write-back function
  - Delta write back
  - Ability for the caller to handle incorrect master data values (create new values; fail whole load; only fail invalid records)
- Many enhancements to the MDX engine
  - Several new keywords were added (mostly string manipulation functions)
  - Many general fixes, as well as performance optimizations
- NW BW Statistics GUID exposed in API's
  - This allows a performance trace to be followed from the BPC call to NetWeaver
- Ability to copy data between InfoCubes with different InfoObjects
- A new query is automatically generated when a cube is created
  - This is the query used when accessing the data via MDX
  - The naming convention of this query is: !!O<InfoProviderName>
- Other small miscellaneous fixes and enhancements for existing API's





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