The Functional Enhancement Schedule includes all enhancements added to NW BI 7.0 until Enhancement Package (EHP) 1.

After EHP1 potential enhancements will be announced via standard future EHP roll-outs.

Version 15.4
June 3, 2008
Disclaimer I

This presentation on new capabilities for SAP NetWeaver 7.0 is a preliminary version and not subject to your license agreement or any other agreement with SAP.

This document contains only intended strategies, developments, and functionalities of the SAP ® product and is not intended to be binding upon SAP to any particular course of business, product strategy, and/or development. Please note that this document is subject to change and may be changed by SAP at any time without notice.

SAP assumes no responsibility for errors or omissions in this document.
Disclaimer II

This presentation lists BI capabilities in SAP NetWeaver 7.0 that will be added via Support Packages.

The list indicates the Stack level in which the feature is planned to be available. These plans are subject to change in special cases.

The information given in this presentation is preliminary and can be changed at any point in time. Capabilities listed in the slides may be moved to other Support Packages.

The presentations lists “major” features. It may not be complete.

Please do not download the list as it is regularly changing.
Agenda

1. Enhancement History – Already Delivered
   a. Enterprise Query, Reporting & Analysis
   b. Business Planning
   c. Enterprise Data Warehousing
2. Enhancements for Enhancement Package 1
History: Capabilities shipped with older stacks

Query, Reporting & Analysis Design

- Vista & Office 2007 support (Stack 12, only as of BI 7.0 ADDON FOR SAP GUI 7.10 Patch 1 !)
  - BEx 7.0 (2004s) Tools support for combination of GUI 7.10/Windows Vista/Office 2003
  - BEx 7.0 (2004s) Tools support for combination of GUI 7.10/Windows Vista/Office 2007
    - Remark: new files format (OfficeXML) not supported yet (Stack 14)
  - Please note that BEx 7.0 (2004s) tools won’t be supported for Vista in combination with GUI 6.40
  - Please note that BEx 7.0 (2004s) tools won’t be supported for Office 2007 in combination with GUI 6.40

- Query Designer: Support for compound characteristics (Stack 10)
- Query Designer: Remove reference in reusable filters (Stack 13)
- Query Designer: Remove reference in reusable structures (Stack 12)
- Call Document Integration functionality from within Query Designer (Stack 14)
History: Capabilities shipped with older stacks

Query, Reporting & Analysis Design

- Report Designer: During runtime, reports with variables behave exactly like standard web templates with variables (Stack 9)
- Report Designer: Formatting Hierarchies based on characteristics / node type (Stack 8)
- Report Designer: Apply formats across a range of cells (Stack 9)
- Report Designer: Images can be integrated into Enterprise Reports: via Mime Repository (Stack 8)
- Report Designer: Formatting of frames (color, line styles and sizes), definition of cell – frame margin (Stack 9)
- Report Designer: Page Format can be switched between cm, inches, pixel (right mouse button on ruler) (Stack 8)
- Report Designer: History available via open dialog (Stack 8)
- Report Designer: Chart integration in report item: standalone chart (Stack 11)
- Report Designer: Language-dependant texts (Stack 11)
- Report Designer / Web Application Designer: insert images from MIME repository with MIME browser dialog (Stack 12)
- Report Designer: Merging of Cells (Stack 12)
- Report Designer: Put page numbers on reports (Stack 13)
- Report Designer: Formatting Hierarchies based on Hierarchy levels (Stack 14)
- Report Designer: Drag & Drop for multiple cells (Stack 14)
History: Capabilities shipped with older stacks

Query, Reporting & Analysis Design

- General: Report-Report Interface (Stack 8)
- General: Variant Creation (Stack 9)
- General: List calculation: Normalization according to not visible values (Stack 11)
- Web Application Designer: WEB API Commands for Variables (Stack 8)
- Web Application Designer: Pattern Wizard in WAD (Stack 9)
- General: Change of Currency translation settings during runtime by end-user (Stack 10)
- General: Report-Report Interface – Open target in new window (Stack 10)
- General: Save Bookmark in Browser Favorites (Stack 10)
- Being able to customize the field separator for CSV file export (Stack 13)
- Web Applications: Editing the Filter Pane Web item for multiple data providers simultaneously. The corresponding parameter Affected Data Provider (LINKED_DATA_PROVIDER_REF_LIST) will be added (Stack 13)
- General: Printing & PDF Export without Adobe Document Service. This alternative to ADS will allow mass printing and 64 Bit support. (Stack 14)
- Printing and PDF Export of the web item “Map” (Stack 14)
History: Capabilities shipped with older stacks

Query, Reporting & Analysis Design

- **Report Designer: Mandatory Variables in Report Designer Designtime (Stack 10)**
  - If there are no defaults for mandatory variables (personalization/variable defaults) dummy values will be automatically used
  - In the future the creation of views for queries with mandatory variables is only necessary for certain custom hierarchy scenarios, certain usage of exits, certain authorization scenarios

- **Web Applications Java: Context menu for charts (Stack 9)**

- **Web Applications: context menu for map item (data cell relevant context menu entries only (Stack 12)**

- **Inclusion of BEx Web Applications as Single iView into a federated NW 7.0 (2004s) Portal (Stack 10)**

- **Personalization of Web Applications (Stack 10)**

- **GIS: Point Display of locations on maps plus text display (Stack 10)**

- **Web Applications: Map is not displayed correctly when Compound characteristics (Static Geo relevant) is used (Stack 14)**

- **Document Integration: Documents can be edited directly in the executed Web Template (Stack 11)**

- **Firefox Support (Stack 8) (Modal Windows cannot be displayed in Firefox 1.5+. That will be added in Stack 13).**

- **Web Applications: Navigation pane item gets two additional properties to enable and disable the alphabetic sorting of the free characteristics axis and define a list of characteristic to be displayed. Properties: NAV_FREE_CHAR_SORTING & NAV_CHARACTERISTIC_SEL (Stack 14)**

- **Web Applications Custom Extension: Allows customer to build their own web items that integrate own HTML or Javascript using an ABAP class (Stack 14)**
History: Capabilities shipped with older stacks

Information Broadcasting

- Using Variants in Broadcaster (Stack 9)
- Broadcasting Queries and Query Views as Excel Files in XML (no involvement of Excel Precalculation Server) (Stack 8)
- Broadcasting BEx Analyzer workbooks via Excel Precalculation Service (Stack 10)
- Broadcasting into NW 7.0 Federated Portal (Stack 10)
- Broadcasting into “My Portfolio” of Federated Portal (Stack 14)
- Broadcasting of online links to BEx Analyzer Workbooks (no actually sending of the physical workbook file but sending launchable references that point to the file on the BI server) (Stack 14)
Excel Integration

- Upload selection from text file and download to text file (Stack 9)
- Command Wizard to customize button item (Stack 10)
- Broadcasting via Excel Precalculation Service (Stack 10)
- Cancel Button to stop loading a query (Stack 10)
- Visualizing the Document Icon for master-, meta- and transactional data in the new NW04s BEx Analyzer (Stack 10)
- Selection variants can be saved and called if built on different queries (Stack 11)
- Change workbook description option in BEx Analyzer (Stack 12)
- Variable screen: Enabling option to specify the entry of characteristic keys as default (Stack 13)
- Global Selection Variants (Stack 14)
History: Capabilities shipped with older stacks

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

- Universal Hierarchy Support (Stack 8)
- Performance related enhancements of Web Analyzer Drag & Drop Features (Stack 11)
- Search (Simple Search: Search using technical name and description) in Open/Save Dialogs in Web Analyzer (Stack 8)
- CSV Export (Stack 9)
- Differences in Context Menu compared to BW 3.x:
  - Back/Back to start (Stack 10)
  - Currency dialog (Stack 10)
  - Sort on key figures (Stack 10)
  - Excel Export (Stack 9)
  - Calculate Results as… (Stack 10)
  - Calculate Single Values as… (Stack 10)
  - Cumulated (Stack 10)
  - Personalize (Stack 10)
  - Change characteristic properties such as “Display / suppress totals” (Stack 11)
- Displaying attributes of characteristics (Stack 11)
- Report for migrating BW 3.x variants (Stack 11)
- Scrolling in BEx Web Analyzer and Analysis Item can be optionally configured in a web template (Stack 13)
- Wildcard (*) – Search in BEx Web Variable dialogue (Stack 13)
- Local calculations directly in BEx Web Analyzer (Stack 14)
- Change the order of keyfigure columns via drag & drop in BEx Web Analyzer (Stack 14)
- Calendar Control for BEx Web (Stack 14)
- Excluding single values in Web Analyzer selector single value tool (Stack 14)
- Personalization of variables available in the web-based variable pop-up (Stack 14)
Agenda

1. Enhancement History – Already Delivered
   a. Enterprise Query, Reporting & Analysis
   b. Business Planning
   c. Enterprise Data Warehousing

2. Preliminary and Latest Enhancements
   a. Enterprise Query, Reporting & Analysis
   b. Business Planning
   c. Enterprise Data Warehousing
Business Planning

- No query based on possible characteristic combinations ("master data driven layout") (Stack 8)
- "Advanced" selection Binding of planning functions per characteristic (Input field, selection in Item, variable, dataprovider) (Stack 8)
- Data entry on (postable) hierarchy nodes and totals (Stack 12)
- Disagregation (Stack 13)
APD (SPS 11)

- Transformation "formula": Users can create fields and create a formula for each of these fields. The formula builder is already used in updating; for example, in the functions for data, time, character strings, and so on.

- Variables in filters: In selection conditions, you can specify variables instead of fixed values; an example of this is "previous month". Only variables that do not require user input are supported; unlike with queries, there are no variants and you cannot enter values.

- Transformation UNION: To be understood in the SQL sense of a join. The input tables do not have to have identical structures.

- Transformation JOIN now also includes FULL OUTER JOIN: This is in addition to the LEFT OUTER JOIN.

- File as data target
1. **Enhancement History – Already Delivered**
   a. Enterprise Query, Reporting & Analysis
   b. Business Planning
   c. **Enterprise Data Warehousing**

2. Enhancements for Enhancement Package 1
History → Variant: Modeling the EDW

Transformation

- InfoObjects as source for DTP and transformation (Stack8)
- Check referential integrity as part of transformation (Stack9)
- Inversion for Routines of Type Single-, Start- and End-routine (Stack8)
- Automatic value assignment in case of source system dependent InfoObjects - Flag 'Master data locally for the source sys.' is set is set in InfoObject maintenance (Stack8)
- Perform InfoObject transfer routine, if source is DataSource (Stack8)
- Master data update from multiple sources (only selected columns) (Stack8)
- Migration of transformations (Stack11 + SAP Note 1045192)
- Formulas for Open Hub Destination (Stack11)
- Impact handling (automatic deactivation of transformations) when changing InfoObjects (Stack12)
- Return table in transformations (one rule returns a table with keys and figures) (decided to postpone this feature → workaround available: end routine and expert routine)
- Transformation: Navigational attributes as Source for Target Open Hub Destination (Stack14)

Others

- New master data deletion: algorithms optimized to data volume, packaged parallel deletion and background deletion (still in pilot phase → Stack13)
History → Variant: Running the EDW

Nearline Storage:
- restore data from nearline/archive (Stack9)
- Check of connection to NLS system (Stack13, see SAP note 1055322)
- Automatic request invalidation in case of error (Stack13, see SAP Note 1051005)

BI Accelerator
- Non-cumulative key figures (Stack8)

Others
- Enhanced currency conversion with InfoObject reference (Stack11)

Data Load
- Parallel Load: Semantically packaged load from any data source (e.g. change log tables) (Stack11, see SAP Note 1009377)

Data Transfer Process
- Automating packaged requests from sources PSA, DataStore or InfoCube → facilitates large volume data load (Stack13, SAP note 1061316)
- Transformation: Navigational attributes as Source for Target Open Hub Destination (Stack14)
1. Enhancement History – Already Delivered
   a. Enterprise Query, Reporting & Analysis
   b. Business Planning
   c. Enterprise Data Warehousing

2. Enhancements for Enhancement Package 7.0.1
AdHoc Query & Analysis

Excel Integration

- Using Variants in Excel Precalculation
- Copy & Paste from a grid (e.g. Excel) into the Selector value list
  - Insert values to the input help
- Refresh individual queries within a workbook (Single DataProvider Refresh)
- Copy sheet
  - Copy a worksheet with all enclosed design items

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

- New Entry in the context menu (eg special filters,...)
- Map navigation enhancements:
  - Support of Dynamic Geo-Characteristics
  - Advanced Geo-Function Bar
- Export and print of web items: Document list item, Single document Item
Query, Reporting & Analysis Design

- Report Designer/Item: Chart depending on group level context
- Improved text handling for localization in the Report Designer
  - Language dependant text with transport and language key

BEx Broadcasting

- On-line link to views
Modeling the EDW

Flexible Deletion Options

- Deletion of arbitrary requests from write-optimized DataStore Object
- Flexible deletion of PSA/Change Log (e.g., by patterns, by DataSource etc.)

Data Quality

- Check of referential integrity of attributes during load

Near-Line Storage

- NLS integration of write-optimized DataStore Object

BI Accelerator

- Synchronized backup and recovery for BIA
Thank you!
SAP NetWeaver BI
Other Resources

SDN
- [https://www.sdn.sap.com/irj/sdn/bi](https://www.sdn.sap.com/irj/sdn/bi)
  - Standard Presentations
  - FAQ
  - Forum

Service Marketplace
- [http://service.sap.com/bi](http://service.sap.com/bi)
No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP AG. The information contained herein may be changed without prior notice.

Some software products marketed by SAP AG and its distributors contain proprietary software components of other software vendors.

SAP, R/3, mySAP, mySAP.com, xApps, xApp, SAP NetWeaver, Duet, Business ByDesign, ByDesign, PartnerEdge and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP AG in Germany and in several other countries all over the world. All other product and service names mentioned and associated logos displayed are the trademarks of their respective companies. Data contained in this document serves informational purposes only. National product specifications may vary.

The information in this document is proprietary to SAP. This document is a preliminary version and not subject to your license agreement or any other agreement with SAP. This document contains only intended strategies, developments, and functionalities of the SAP® product and is not intended to be binding upon SAP to any particular course of business, product strategy, and/or development. SAP assumes no responsibility for errors or omissions in this document. SAP does not warrant the accuracy or completeness of the information, text, graphics, links, or other items contained within this material. This document is provided without a warranty of any kind, either express or implied, including but not limited to the implied warranties of merchantability, fitness for a particular purpose, or non-infringement.

SAP shall have no liability for damages of any kind including without limitation direct, special, indirect, or consequential damages that may result from the use of these materials. This limitation shall not apply in cases of intent or gross negligence.

The statutory liability for personal injury and defective products is not affected. SAP has no control over the information that you may access through the use of hot links contained in these materials and does not endorse your use of third-party Web pages nor provide any warranty whatsoever relating to third-party Web pages.