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Agenda

Overview

SAP BusinessObjects Analysis, edition for Microsoft Office

Appendix
Overview
BI 4.0 for SAP customers

- Increase business user autonomy and self-service usage
- Boost BI adoption for more informed decision making across the enterprise
- Minimize user training, support and customization costs

- Leverage your investments – BW info providers and BEx queries
- Transition BEx analyzer users to the next generation of SAP BI
- Adopt SAP BusinessObjects BI platform at your own pace

- Tighter integration with the SAP NetWeaver technology platform
- BI standardization from the board room to the shop floor
- Increased speed and agility with cost effective in-memory computing

Simpler and more Intuitive
Re-use existing infrastructure
SAP landscape simplification
SAP BusinessObjects BI solutions provide business users with access to unified information through a broad suite of BI tools for confident decision making and alignment across people and teams on a single, scalable BI platform.

**Reporting**

How do I access and transform corporate data into highly formatted reports for greater insight?

**Dashboards and Visualization**

How do I visualize data for better decision making?

**Interactive Reporting**

How do I answer ad hoc questions and interact with information?

**Analysis**

How do I determine trends from complex historical data and possibly make better forecasts?

**Data Exploration**

How do I find immediate answers to business questions?
SAP BusinessObjects Analysis
The Premium Alternative to BEx

Analysis Clients
Web

Analytical Applications
- Analysis, edition for application design
  - Premium Alternative to BEx Web App Designer
  - Design studio for power users to create purpose-built OLAP analysis & planning apps
  - Customer- and SAP-delivered content
  - Mobile support
  - HANA support

AdHoc OLAP
- Analysis, edition for OLAP
  - Dedicated Ad-Hoc OLAP client for business users to analyze OLAP data and share it with others
  - Enabled for 3rd party OLAP
  - Seamless interoperability between designer and ad-hoc client
  - HANA support

MS Office

Analysis, edition for Microsoft Office
- IT / Developers, Data Analysts, Business Users
- Excel-based OLAP analysis
- Excel-based BI applications
- Live PowerPoint presentations
- HANA support
SAP® BusinessObjects™ Analysis, edition for Microsoft Office
Multidimensional Analysis of SAP BW and SAP HANA

Target User Groups:
- BI Professional
- Business User

- Create live PowerPoint presentations
- Modern and familiar Microsoft Office user experience
- Build powerful Excel workbook BI applications
- Support BW-Integrated Planning

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SAP® BusinessObjects™ Analysis, edition for OLAP
The best web client for SAP BW and SAP HANA

Target User Groups:
Data Analysts

- Few simple clicks to fast business insights
- Pervasive web-based analysis
- Interoperate with WebI and Crystal Reports
- Modern look-and-feel with intuitive drag-and-drop
- SAP BW, HANA, EPM and Microsoft Analysis Services
SAP® BusinessObjects™ Analysis, edition for application design
Powerful analytical & planning apps on SAP BW and HANA – PREVIEW

Target User Groups:
- IT
- Key Users
- Designers

Direct Access to BW and HANA via BICS

Eclipse-based application design environment

iPad Apps

Premium alternative to BEx WAD

State of the art rendering: HTML5
Interoperability Between Analysis and Other Clients in 2010 based on BI 4.0

Interoperability through Analysis View
- Captures view on the data including filters and other features (similar to BEx query view)
- Stored in BI platform
- Can be created in SAP BusinessObjects Analysis (both editions)
- Can be consumed by SAP BusinessObjects Analysis (both editions), Web Intelligence and Crystal Reports (each tool interprets the analysis view in a way that is consistent with its native environment)
Analysis, edition for MS Office
1 Umbrella Name / 2 Sets of Functionality

SAP BusinessObjects Analysis, edition for Microsoft Office

- SAP NetWeaver BW and SAP HANA Appliance only
- Excel-based OLAP analysis
- Excel-based BI applications
- Live PowerPoint presentations

SAP BusinessObjects Analysis, edition for OLAP

- SAP NetWeaver BW
- MS SQL Server Analysis Services
- Web-based OLAP analysis
SAP BusinessObjects Analysis, edition for Microsoft Office

Your investments in BEx analyzer are safe
BEx analyzer and the suite of SAP BEx tools stay in maintenance mode
They will still be delivered with the next releases of SAP NetWeaver BW
They follow the same life cycle and release strategy as BW
  • E.g., BEx analyzer shipped with BW 7.3 will be supported for the next 7+2 years

You will leverage most of these investments moving forward
BEx queries are consumed directly by SAP BusinessObjects BI 4.0 front-ends
BEx Query Designer remains in place to create and maintain BEx queries

Your future looks bright
New offering: SAP BusinessObjects Analysis, edition for MS Office
Alternative to BEx analyzer with enhanced premium functionality
SAP® BusinessObjects™ Analysis, edition for Microsoft® Office

Main Development Themes of version 1

Usability
- Nice new look-and-feel
- Design Panel
- Saving costs by minimum training effort

Focus on Business User
- Bring more flexibility to business user
- Moves load from central IT
- Tightly integrated into familiar Microsoft environment

Basis for new innovation
- Microsoft PowerPoint Add-In
- New API concept for custom Excel workbook development
- New extensible connectivity (planned support of other OLAP sources in future releases)
- … and much more to come ….

Version 1.0 Generally Available since Q3 2010
SAP BusinessObjects Analysis
The Premium Alternative to BEx

Analytical Applications

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Analysis, edition for Microsoft Office

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Use Cases for Analysis, edition for MS Office

- **Power User / IT**
  - Centralized creation of Analysis content (workbooks & PowerPoints)
  - Sophisticated workbook design (VBA APIs and so on)

- **Business Analyst**
  - Ad Hoc data access and data analysis, slicing & dicing, and so on, in Excel
  - Ad Hoc embedding of BI data into PowerPoint presentations

- **Business User & Task Worker**
  - Consuming pre-defined BI content in Microsoft Excel and Microsoft PowerPoint
Simpler and More Intuitive User Experience for Fast Business Insights

Modern and familiar Microsoft Office user experience

Few simple clicks to fast business insights

Simplified drag-&-drop to filter, and slice-&-dice
More Powerful with Live Presentations

Live analyses embedded into PowerPoint presentations

- Export current analysis from Excel
- Insert BEx query results directly
- Analysis embedded as live object
Design Panel

New Design Panel for easy navigation

Views
Analysis
- Allows navigation, filtering, slice & dice etc.

Information
- General information on the embedded data source or the workbook itself (i.e. last data refresh, created by, etc.)
- All relevant information (filters, variables, etc.) at a glance

Components:
- Structural information view either from the data source or the worksheet perspective
- Access to planning features

Navigation
- Simplified drag&drop within panel or into grid to filter, drill-down, slice&dice, replace, and so on
- Harmonized with other BusinessObjects clients
- Finger-tip access to hierarchies
- Access to display attributes
Analysis Options for Business Analyst

**New options for the end-user**
Define conditional formatting (aka “exceptions”)
Define filter by measure (aka “conditions”)
Define easy calculations and dynamic calculations
Excel commentary on data cells

**New hierarchy features**
Collapse into hierarchical structures (”display hierarchy”)
Show/hide hierarchy levels
Sort breaking hierarchies

**Pause refresh**
Design of several steps with only one final roundtrip to the server to fetch the data
Easy Application Building

**Workbook Design**
- Easy insertion of multiple data source (from multiple systems)
- Improved overview of BW elements in an Excel workbook
- Free formatting of text elements
- Add Excel-based charts

**New API as Excel formulas**
- Easy development, directly in worksheet
- Tightly integrated into Excel development framework
- API for filtering, drilldown, etc.

**Sharing Workbooks/PowerPoint files**
- Save workbook/ppt presentation in SAP BusinessObjects BI Platform
News in Release 1.1

Planning
Support of BW-integrated planning and PAK
Focus on usability

Support of HANA

Enhanced Support of BI 4.0
Client interoperability

Enhanced API design
E.g. set drill state, execute planning functions

Continuous improvement
Editable conditional formatting rules
Save workbook without data
Default workbook

GA since July 2011
News in Release 1.2

Planning Enhancements
Cell Locking

Enhanced HANA support
Language-dependent texts
OLAP connection in CMC (as of BI platform 4.0 FP3)

Application Development
APIs for controlling Analysis Office without ribbon

Usability
Improved prompting

Continuous Improvement
Variable unmerge

GA since Jan 2012
Analysis, edition for MS Office: High Level Architecture

Direct BW Connectivity via BI Consumer Services
Connection management via BI platform (optional)
BI platform repository services for workbooks and PowerPoint files

(*) as of Analysis Office 1.1 and BI Platform 4.0
SAP BusinessObjects Analysis, edition for Microsoft Office 1.0/1.1 – Prerequisites

Client Prerequisites

- MS Office 2003, MS Office 2007 or MS Office 2010 (on MS Windows XP and higher)
  - Powerpoint Add-in only available for MS Office 2007 and MS Office 2010
- SAP GUI installation not mandatory
  - But local SAPLOGON.INI file required if you don't use BI Platform for connection management
- Client Sizing: See SAP note 1466118

Server Prerequisites

- SAP NetWeaver BW 7.0 or higher
  - Recommendation: use BW 7.0 EHP1 or even SAP NetWeaver BW 7.3 as there are significant TCO and integration improvements between BusinessObjects Enterprise and NetWeaver
  - Queries defined in SAP BEx Query Designer 3.5 (within SAP NetWeaver 7.0!) or 7.0+ ; also: direct access to SAP NetWeaver BW InfoProvider and query views
    - No need to migrate queries, no change in BW data models necessary
    - The SAP BEx Query Designer stays as it is and can continues to be the semantic modeling level for SAP NetWeaver BW data.
- Optional SAP Business Objects BI Platform 3.1 or higher (can run side-by-side with SAP NetWeaver BW)
  - See next slide for information about platform capabilities
BI Platform Services

BI Platform (fka BO Enterprise) is strategic for all SAP BusinessObjects Clients

- **Analysis 1.0** on SAP BusinessObjects Enterprise XI 3.1
  - Central provisioning of BW connections
  - Client-side Single-Sign On
  - Saving and sharing workbooks centrally (common xls / ppt InfoObject)

- **Analysis 1.1** on BI platform 4.0
  - Support system-type connection
  - Server-side and client-side Single-Sign On
  - Saving and sharing workbooks centrally (common xls(x) / ppt(x) InfoObject)
  - Interoperability with other clients: Web Intelligence, Crystal Reports and SAP BusinessObjects Analysis, edition for OLAP based on analysis view

- **SAP recommends using BI platform for productive use of the Office Add-in, as BI platform supports main services such as central repository including security, interoperability and, in future, lifecycle management. But you can also use it without BI platform and store and distribute workbooks locally or on any share drive – often used in testing environments.**
Appendix
Using of BEx Web Application Designer Templates in BO Enterprise/InfoView in BI 4.0

Integration of SAP BEx Web Application Java runtime into SAP BusinessObjects BI platform

No additional SAP NetWeaver J2EE stack required
Integration into SAP NetWeaver Portal 7.0

Integration with Portal Integration Kit (PIK)
Document List Portlet displays complete BI launch pad (formerly InfoView)
Document Viewer iView displays all kind of single BI reports (including Analysis, Web edition).
Analysis, edition for MS Office workbooks must be open via Document List Portlet

Administration
Document Viewer iView allows creation of Portal Roles with specific, pre-defined reports
Document List Portlet allows instant access to newly created ad hoc reports

Preferences
Users can change viewer type in their BI platform preferences (e.g., thin vs. thick client for Crystal Reports)

Security
Single Sign-On is supported by identity propagation using SAP Logontickets
Single Sign-On ensures usage of analysis authorization of SAP NetWeaver BW
SAP Business Explorer (BEx)

Maintenance

- BEx 7.0 continues to be delivered with the next SAP NetWeaver BW releases. At this point in time, there’s no planned end of life. The maintenance period is renewed with every major BW release.
- BEx 3.5 is part of BW 3.5/SAP NetWeaver 04 and the maintenance cycle is coupled to this release (see SAP note 1410878). BEx 3.5 in BW 7.0x and BW 7.3x will be supported while BEx 3.5 (NetWeaver 2004) is in extendend Maintenance (2013). Note that full PAM support of BEx 3.5 cannot be granted by SAP – as Microsoft has removed, e.g., support for some components within Windows 7 that had been used by BEx Web Application Designer 3.5.
- Also see: [https://www.sdn.sap.com/irj/sdn/bex](https://www.sdn.sap.com/irj/sdn/bex)

Coexistence BEx Analyzer and Analysis, edition for MS Office

- You can install BEx and Analysis on a single PC.
- Only one add-in can be active in an Excel session (in other words, either BEx or Analysis can be active)
- Opening a BEx workbook activates the BEx add-in.
# Tool vs Application

<table>
<thead>
<tr>
<th>Tool</th>
<th>Application</th>
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<tbody>
<tr>
<td>Ad-hoc and self-service</td>
<td>Custom/specific OLAP analysis</td>
</tr>
<tr>
<td>End user empowerment</td>
<td>Planning application / guided navigation</td>
</tr>
<tr>
<td>Full set of functionality</td>
<td>Selected set of functionality</td>
</tr>
<tr>
<td>De-centralized content creation</td>
<td>(IT-)centralized content creation</td>
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</tbody>
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**Analysis OLAP**

**Web Intelligence**

**Analysis Application Design**
Thank You!

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