

SAP BW

Lesson 09: Enterprise Reporting Part 2



BEx Analyzer



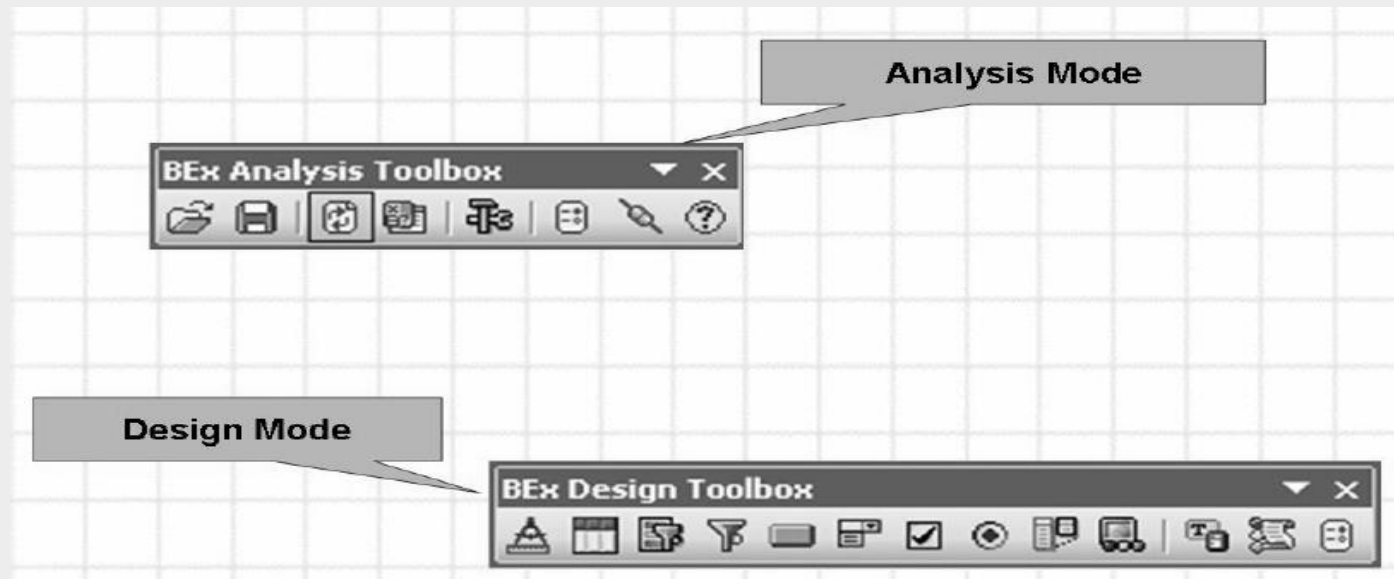
BEx Analyzer

- The SAP BI users use BEx Analyzer as an analytical, reporting, and design tool embedded in Microsoft Excel to easily access InfoProvider data, Queries, Query Views, and workbooks and to analyze the data by navigating interactively.
- They can configure global settings and specific settings for workbooks, create new workbooks and trigger the distribution of them.
- In order to define new query definitions they also can launch the BEx Query Designer.



BEx Analyzer - Features

- When you first launch the BEx Analyzer two toolboxes appear – Analysis Toolbox and Design Toolbox.
- The **analysis toolbox** contains all the functions used when the user is working with the query results in the workbook.
- The **design toolbox** contain the functions used when developing the workbook.

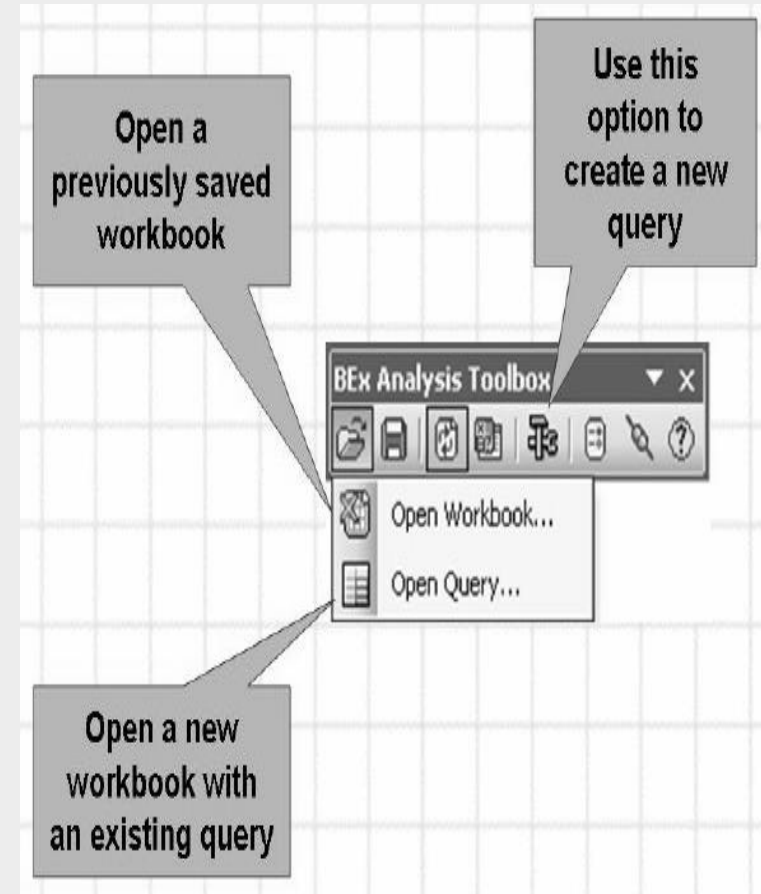


Open Dialogue

- There are two choices:
 - Previously saved workbook.

This is a workbook which contains one or more queries and may also contain specific filters, graphics and formatting. The workbook may also be made up of many worksheets.
 - New workbook based on existing query.

When you choose this option you will reach the query dialog box and you will need to choose an existing query to embed in the new workbook. The workbook will appear with standard BEx formatting.
- It is also possible to open the Query Designer directly from the BEx Analyzer.





Open Workbook

The screenshot shows the 'Open Workbook' dialog box. On the left, there is a sidebar with icons for 'Find', 'History', 'Favorites', and 'Roles'. The 'Find' icon is highlighted by a callout box. The main area displays a table of results under the heading 'Analyzer Queries'. The table has two columns: 'Name' and 'Last Changed On'. One entry is visible: 'Costcenter actual/plan (AM)' with a last changed time of '6/25/2003 8:45 AM'. At the bottom, there are input fields for 'Name' and 'Type' (set to 'Workbook'), and 'Open' and 'Cancel' buttons.

Enter search parameters to find workbook

The most recently used workbooks

Workbook you want to find quickly

Workbooks relevant to your position

Name	Last Changed On
Costcenter actual/plan (AM)	6/25/2003 8:45 AM



Open Query

Enter search parameters to find a query

The most recently used queries

Queries you want to find quickly

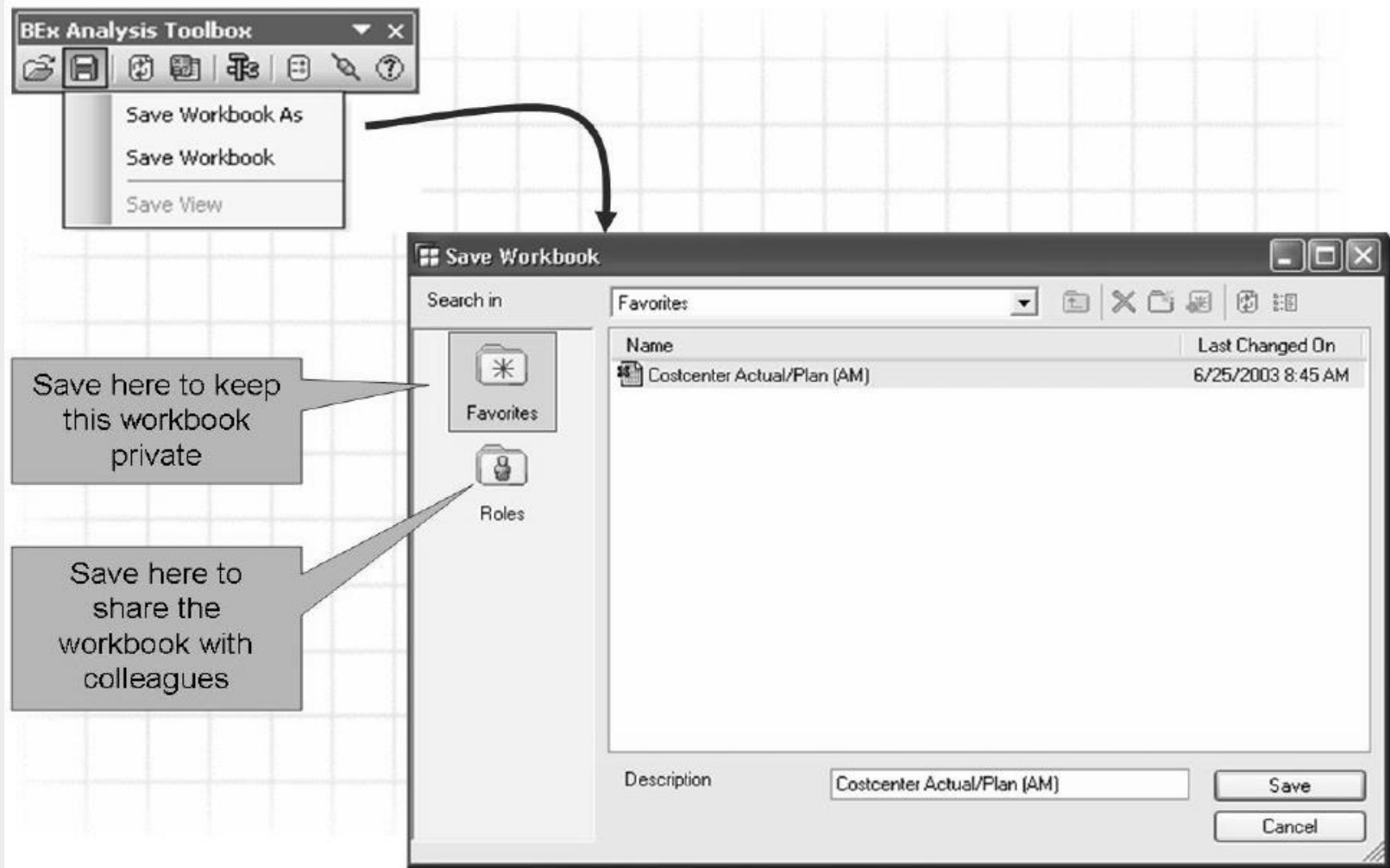
Queries relevant to your position

Queries organized by InfoArea

Name	Last Changed On
T_SDDemo2	
T_SDC03	
analyzer_example	4/4/2006 1:46 PM
GR00 B/W305 Conditions	3/1/2006 9:25 AM
conditions_analyzer	4/4/2006 9:46 AM
conditions	4/4/2006 9:06 AM
GR00 B/W305 Hier. and Structures 1	10/28/2004 8:48 ...
Flat screens	2/27/2003 5:18 AM



Save Workbook





Changing Variable Value

The image shows a screenshot of the BEx Analysis Toolbox and the 'Select Values for Variables' dialog box. The toolbox is at the top right, and the dialog box is in the center. Callouts provide instructions on how to save and recall variable values.

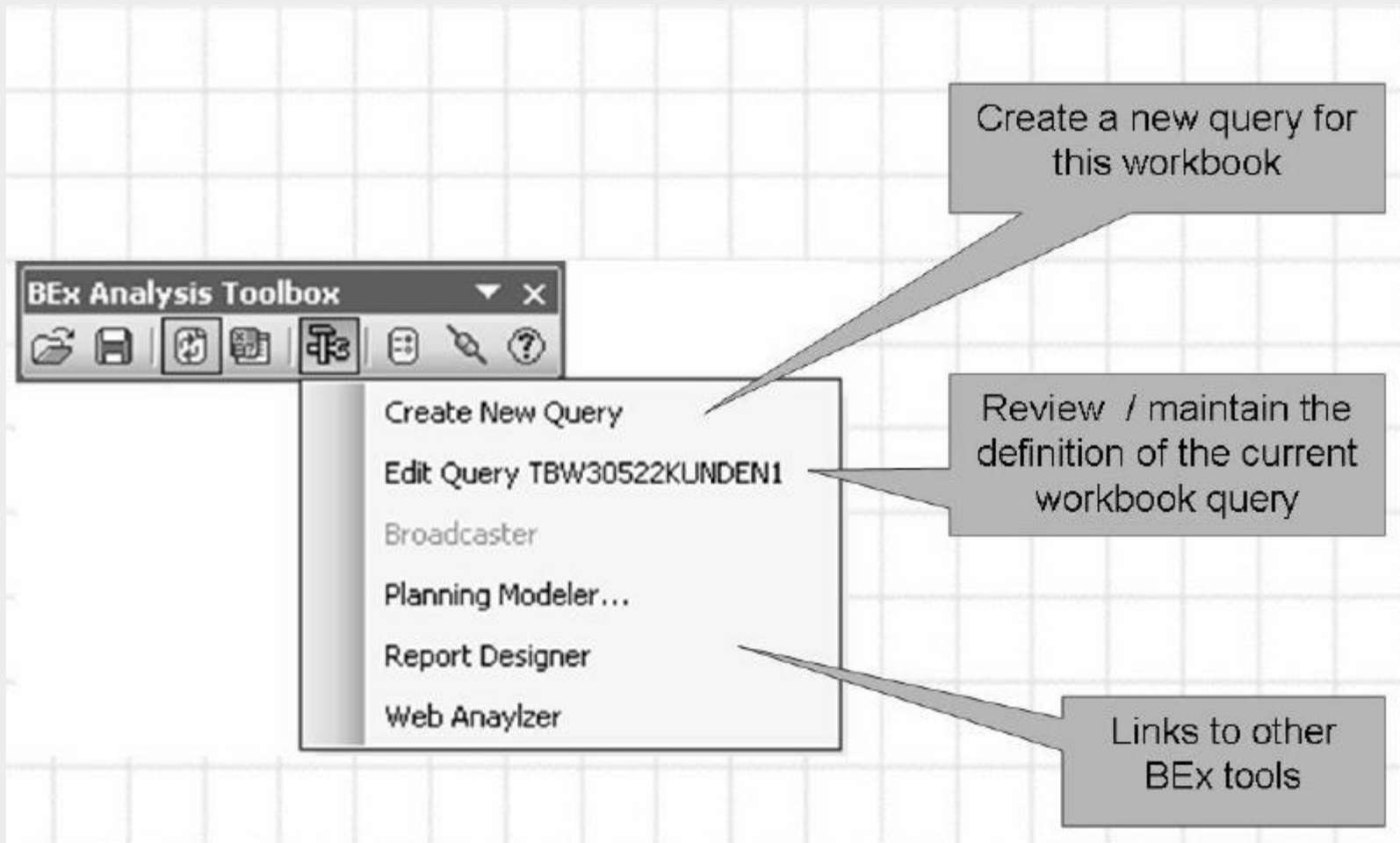
Callouts:

- Save this collection of choices for later recall**: Points to the 'Save' icon in the 'Select Values for Variables' dialog box.
- Press here to recall the variables dialog**: Points to the 'Recall' icon in the BEx Analysis Toolbox.
- Recall the values from your personal list**: Points to the 'Recall' icon in the 'Select Values for Variables' dialog box.
- Save these values with the workbook**: Points to the 'Start With These Values Next Time' checkbox in the 'Select Values for Variables' dialog box.
- Save these values in your personal list**: Points to the 'Personalize Variables ...' button in the 'Select Values for Variables' dialog box.

Dialog Box Details:

- Title:** Select Values for Variables
- Available Variables:** A dropdown menu with a 'Save' icon.
- Calendar year/month("):** A dropdown menu showing 'January 2001 - December 2001' with a 'Recall' icon.
- Division:** A dropdown menu showing 'Pumps; Lighting; Paints;' with a 'Recall' icon.
- Start With These Values Next Time:** A checked checkbox.
- Buttons:** OK, Cancel, Check, Help, and Personalize Variables ...

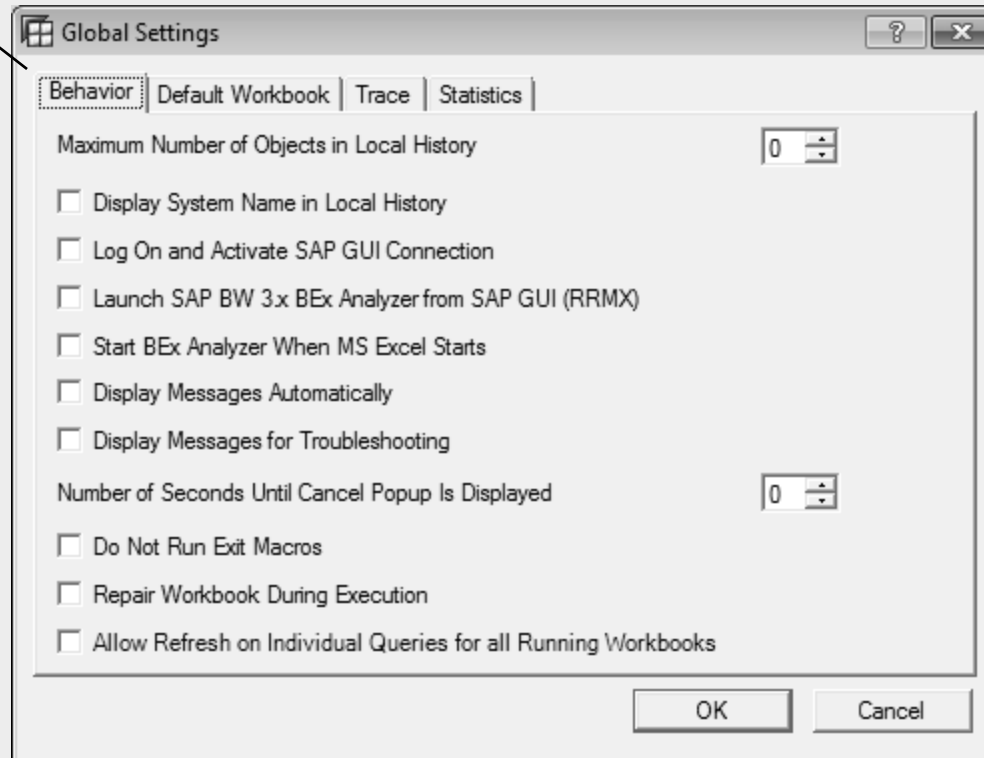
Tools





Global Settings

Settings affecting
workbook environment





Connect and System Information



System Information

User System Database Hardware RFC

Client: 800

User Name: GREEN

Language: EN

Application Server: w0btdc00

Disconnect OK

Who's logged on ?
....to which system ?

SAP Login at WOB

User Data

Client: 800

User: BENDERT

Password:

Language: EN

OK Cancel System Password



Navigating in Reports

- BI reporting options to analyze data are - *BEx Analyzer and Web Analyzer reports*
- When you begin an analysis in the *Web Analyzer or the BEx Analyzer*, you begin with
- the *Open dialog*. In this dialog, you are able to choose:
 1. The system from which you will retrieve data
 2. The object type (query, query view or InfoProvider) you will access
 3. The grouping of objects of the chosen type (History, Favorites or InfoAreas) to be displayed
 4. Any filtering value to limit which objects are displayed.
- These settings serve to quickly lead you to the desired query, view or InfoProvider for execution.



Navigating in Reports

Options

DalSegno Company Analysis

New Open Save Save As... Display as Table Information Send PDF/Print Export to Excel Filter Settings

Validity of Data: Aug 4, 2004

Basic Navigation

- Back
- Back to Start
- Select Filter Value
- Keep Filter Value
- Remove Filter Value
- Filter and Drilldown
- Drill Down
- Drill Across
- Remove Drilldown
- Change Drilldown

Other Options

- Exchange ... with ...
- Swap Axes
- Sort
- Goto
- Convert to Formula
- Add Local Formula
- Explain
- Properties
- Query Properties
- Save View
- Broadcast and Export
- Documents

Distribution Channel	12/2004	12/2003	December	YTD 2004	YTD 2003	%Var. YTD
EDI	4,853,626	4,959,922	-2.1	56,665,294	85,339,782	-33.6
Others	1,768,033	1,906,627	-7.2	21,650,331	30,773,158	-29.6
EDI	5,095,301	5,366,916	-5.1	61,651,700	90,891,992	-31.9
Others	11,716,960	12,233,465	-4.2	140,162,325	206,974,932	-32.3
EDI	4,639	4,830	-4.1	55,905	86,850	-0
Others	1,792	1,875	-4.4	21,703	31,426	-0
EDI	5,087	5,336	-4.7	61,303	92,523	-0
Others	11,518	12,041	-4.3	138,971	210,800	-0

Note: Underlined options can be done via Drag and Drop

BEx Web Analyzer



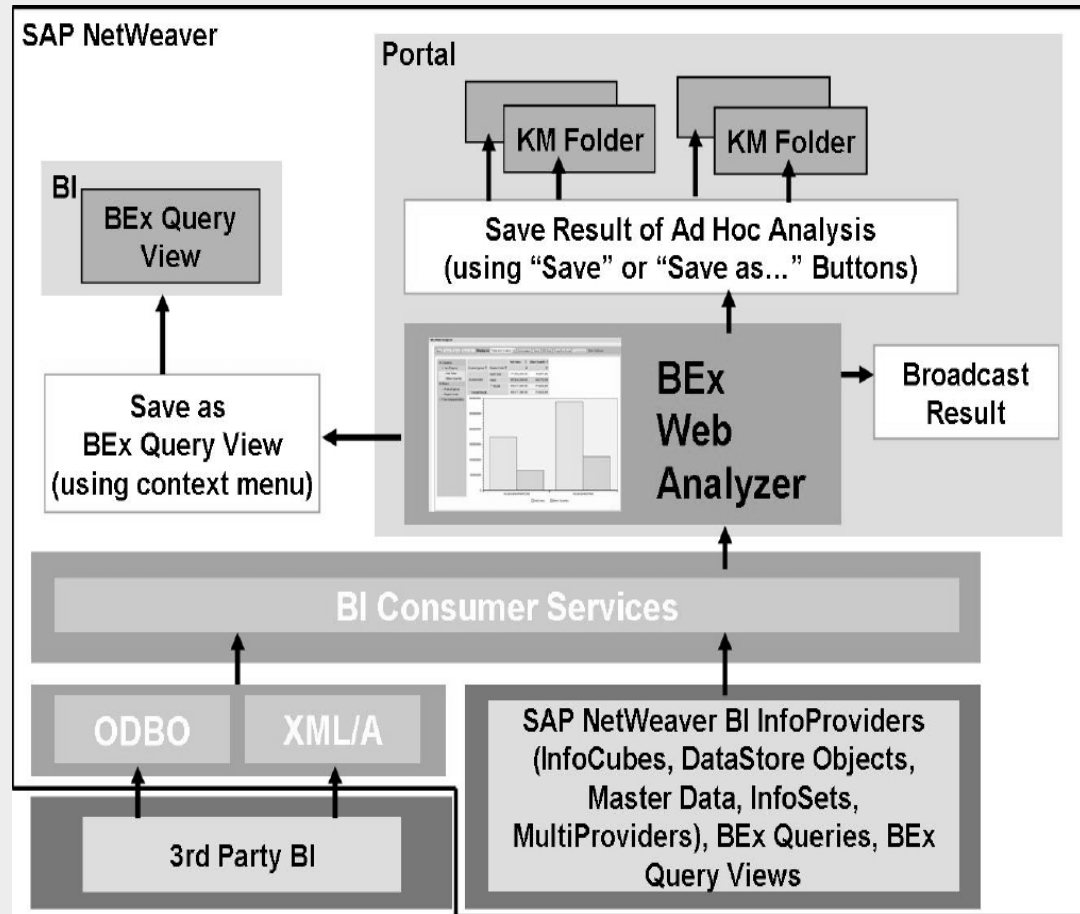
BEx Web Analyzer

- The *BEx Web Analyzer* is one of several *BEx Web* tools provided as part of the *Business Explorer Suite*.
- The *analytical options provided by the Web Analyzer* are optimized for business experts. For example, navigation in an analysis is easy and intuitive using drag and drop operations to quickly change the structure of the analysis.
- Additionally, the user can quickly create exceptions and conditions with the help of built-in wizards.



BEx Web Analyzer

- The BEx Web Analyzer is integrated into the SAP NetWeaver Portal and allows you to perform ad hoc analyses on top of various BI data providers.
- These data providers can be either third-party BI sources or NetWeaver BI InfoProviders, queries or query views. Analyses run with the Web Analyzer can be broadcast or saved for future use.





Drag & Drop Navigation and Filtering

Enhanced, intuitive options in the filter area help business users to choose the required filter values

DalSegno Company Analysis

New Open Save Save As... Display as Table Information Send PDF/Print Export to Excel Filter Settings

Validity of Data: Aug 4, 2004

Product: No filter applied Product Group: Accessories Distribution Channel: Fax, Internet
Structure: No filter applied Key figures: No filter applied Calendar Year/Month: No filter applied

Columns

- Structure
 - 12/2004
 - 12/2003
 - %Var. December
 - YTD 2004
 - YTD 2003
 - %Var. YTD
- Rows
 - Key figures
 - Billed Quantity Plan
 - Billed Quantity
 - Distribution Channel
 - Free characteristic
 - Product
 - Product Group

Drag&Drop to columns/rows

Drag&Drop within the navigation block

Drag&Drop into the filter area

Distribution Channel	12/2004	12/2003	%Var. December	YTD 2004	YTD 2003	%Var. YTD
EPN	4,853,626	4,959,922	-2.1	56,665,294	85,339,782	-33.6
	1,768,033	1,906,627	-7.3	21,662,331	30,773,158	-29.6
	5,095,301	5,366,915	-5.1	61,834,700	90,861,992	-31.9
	11,716,960	12,233,465	-4.2	140,162,325	206,974,932	-32.3
	4,639	4,830	-0	55,905	86,850	-0
Billed Quantity	1,792	1,875	-0	21,703	31,426	-0
Phone	5,087	5,333	-0	61,363	92,523	-0
Overall Result	11,518	12,041	-0	138,971	210,800	-0

Column 1 of 6

Drag&Drop characteristics, characteristic values, or key figures from the grid to remove them



Exception and Condition Wizard

Sales Report Regions

New Open Save Save As... Display as Information

Table Graphic Exceptions Conditions

Es sind keine Exceptions definiert.

Add Details Toggle State Delete

OK Apply Cancel

Columns

- Key Figures
 - Net Sales
- Rows
 - Region Code
 - Customer
 - Free characteristics

Region Code	Customer	Net Sales
Central	DS4402 Bill Smith Real Estate Group Inc.	1,011,541
	DS3369 Elvikr Machines & Service Inc.	962,802
	DS2037 Pepper Mill Automotive Inc.	962,084
	* Result	2,936,527
North East	DS1349 Bishop Tools & Manufacturing Inc.	1,002,036
	DS3782 Poseidon Products Inc.	961,816
	DS1117 Black Stone Printing Company Co Inc.	369,283
	* Result	2,333,135
* Overall Result		5,269,662

Web Page Dialog

1 2 3 4 5 6

Set exception type Set threshold value Set target Set visualization Set characteristic restriction Set properties of the exceptions

In this step you define the type of exception. The type affects, among other things, the visualization of your exceptions.

☐ Status exception
Status exceptions affect absolute key figures. They describe the current status of a number (such as sales > 30000).

☐ Trend exception
Trend exceptions affect relative key figures. They describe changes to a key figure (such as deviation > 5 Prozent).

Back Next Cancel Finish

Web Page Dialog

1 2 3 4

Set condition type Set condition parameter Set characteristic assignment Define attributes

In this step you define the type of condition. This type is used to set a default characteristic assignment.

☐ Ranked list criterion
Top N, Top N% are part of the range list conditions

☐ Threshold value condition
A threshold value condition filters data using a defined threshold. Example: Sales < 50

☐ Mixed condition
All conditions that have both threshold values and range list portions. Example: Top 2 products with regard to sales as well as products with a profit margin > 5%

Back Next Cancel Finish

Visualized steps guide users step by step through the definition

Wizard for Exceptions

Wizard for Conditions



Printing and Broadcasting

BEx Web Analyzer

New Open Save Save As... Display as Table and Graphic Information Send **PDF/Print** Export to Excel Comments Filter Settings

Columns			Net Sales	Billed Quantity
Key Figures		Product group	Region Code	
Net Sales			\$	ST
Billed Quantity				
Rows				
Product group		Accessories	North East	171,553,035.00
Region Code			West	64,857,862
			* Result	287,624,549.00
			* Overall Result	109,770,933
				459,177,584.00
				174,628,800
				459,177,584.00
				174,628,800

A new calculation option, median, is available.

Generate and print PDF file.

Call the Information Broadcasting functions, including new functions of broadcasting PDF files and broadcasting to printers.

Information Broadcasting



Challenges

- Report distribution tools in the past were too complex for end users and not easily accessible.
- Users need to distribute reports in different formats and at different times, depending on such things as the purpose of the report, needs of the recipients, and the recipients' status as an SAP NetWeaver BI user.
- Flexible distribution of reports within an enterprise by a variety of channels is required to optimize efficiency. Users must gather information from a variety of sources to perform a complete analysis of some problems and frequently require the ability to collaborate with team members before acting upon this information.

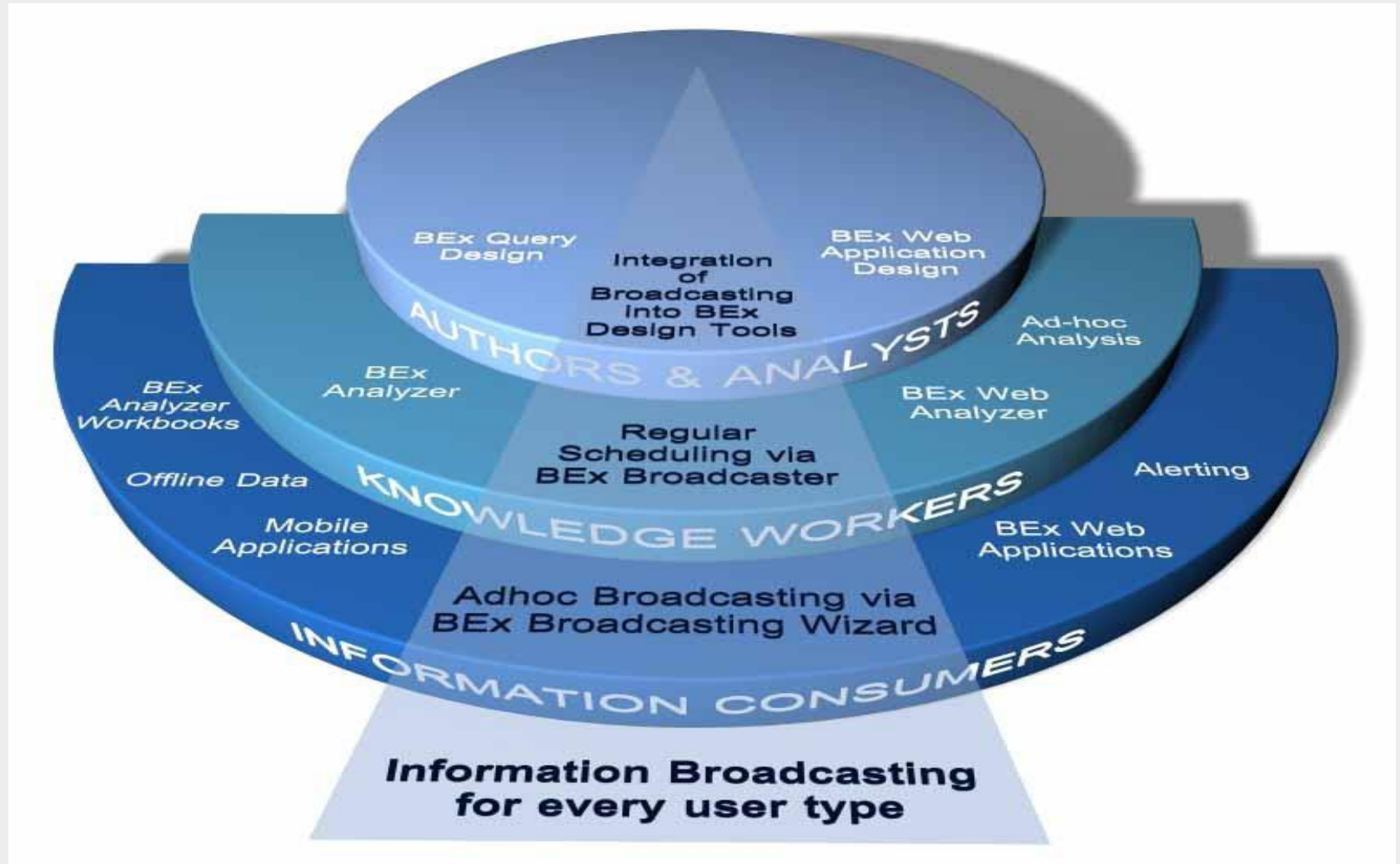


Introduction

Information Broadcasting allows you to make objects with Business Intelligence content available to a wide variety of users according to their needs –the right information, in different formats and channels, to the right people at the right-time.



User-Type Specific Information Broadcasting





Key Functions

Information Broadcasting allows the distribution of BI information

- via different channels like E-Mail, Enterprise Portal.
- In different formats like HTML, MHTML, BEx Analyzer Workbooks, ZIP Files.
- Of different sources like BI Web Applications - Dashboards, cockpits, BEx Analyzer Workbooks, Queries.
- In different modes like Online & pre-calculated.



Information Broadcasting – Processes



Creating broadcasting setting

- decides on trigger, format, channel and receivers of a broadcast.

Broadcasting

- At runtime the system processes the broadcasting setting according to its definition.

Alerting

- The SAP Application Server Alert framework takes care of routing the alert to the designated receiver.

BI user interaction

- BI data & alerts broadcast to the SAP NetWeaver Portal can be accessed via the BEx Portfolio.



Information Broadcasting - Benefits

- **Lower TCO**
 - Lower training effort for information consumers.
 - Less time for information sharing.
- **Efficient Information Dissemination**
 - Active alerting.
 - Automated process.
 - Personalized information.
 - Right-time information.
 - Within and beyond company boundaries.
- **Collaboration and Information-Sharing.**
 - BEx Portfolio.
 - Collaboration Rooms.
 - Within and beyond company boundaries.



Information Broadcasting - Benefits

- Decrease Complexity Without Losing Functionality
 - Focus on usability, intuitive design, and ease of use.
 - Precise, tailored, and easy-to-consume information.
- Guided interaction



Business Scenarios

- Event Based Integration into Process Chain
- Ad hoc Bex broadcasting wizard for one stop distribution
- Scheduled Bex Broadcaster



BEx Broadcaster

The Bex Broadcaster is available via :

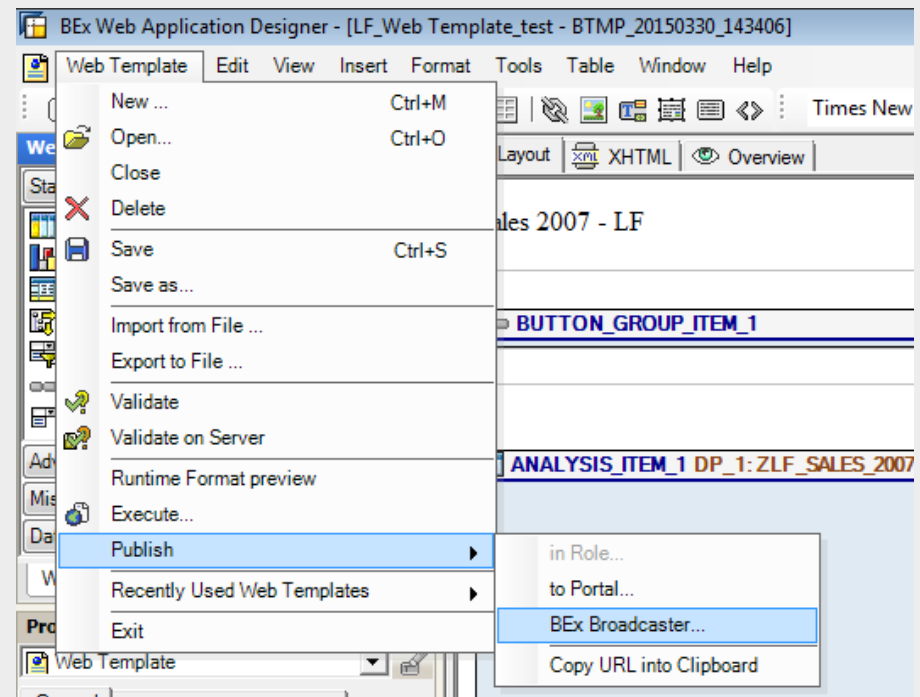
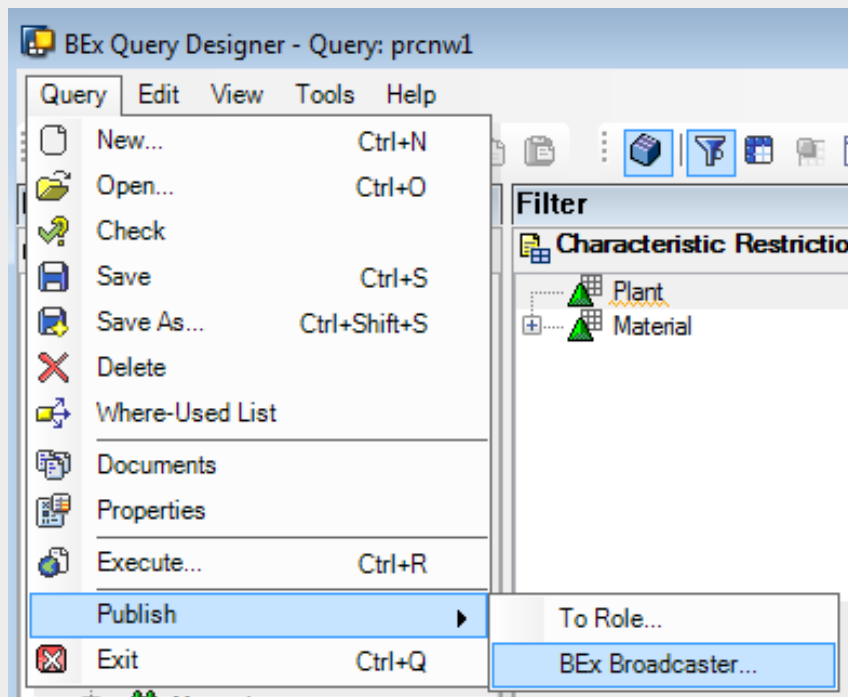
- Bex Query designer
- Bex Analyser
- Bex Web Analyser

As Web item in the Web Application Designer

- In context Menu in any Bex Web Query,
- Workbook and Web application



BEx Broadcaster





Settings

- Via the **Broadcaster** you can create, delete and change your Broadcasting settings for BEx Web Applications, Queries and Workbooks

BEx Broadcaster

Settings | Schedules

Settings for Web Template | Settings for Query | Settings for MS Excel Workbook

Description	Technical Name	Owner	Last Changed On/By
Settings for Web Template Sales (with Chart and Ticker) (US_ASUG_SALES)			
Send precalculated/filtered as ZIP	US_ASUG_FRECALC_FILTERED_ZIP	SCHWERK	24.10.2003 13:43:36
Send precalculated as MHT	US_ASUG_FRECALC_MHT	SCHWERK	24.10.2003 13:29:53

Edit
Delete
Execute
Dispatch

Create New Setting | Create New Settings with the Wizard

Change
existing
settings

- You can also create new settings via “Create New Setting” or “Create New Setting with the Wizard”.
- You can also broadcast immediately from here without creating a setting.



Settings... Contd...

- Via 'Create New Setting' you get to the settings properties screen
- You can maintain the setting properties
- Via 'Execute' you can broadcast immediately
- Via 'Schedule' you can determine a broadcasting schedule

Data Analysis | Graphical display | Information | **Information Broadcasting**

DelSegno Company Sales Analysis ES Data Timeless: 11.06.2003 14:16:15

Settings for Web Template | Settings for Query | Settings for MS Excel Workbook |

Settings for Query DelSegno Company Sales Analysis ES (ES_Q_SALESREP3)

Description	Technical Name	Owner	Last Changed On/By	Scheduled
Sales Query	ES_SALES	SCHEMER	03.02.2004 12:57:42	Yes
New setting	ES_TEST	SCHEMER	20.01.2004 16:44:46	No

Create New Setting Create New Settings with the Wizard

Scheduling Sales Query

Execution at Predefined Time

☒ Weekly - to be started next on 08.02.2004 at 01:00:00

☐ All 2 Weeks - to be started next on 08.02.2004 at 04:00:00

☐ Weekly - to be started next on 09.02.2004 at 02:00:00

☐ Weekly - to be started next on 04.02.2004 at 02:00:00

☐ Monthly - to be started next on 01.03.2004 at 01:00:00

☐ Daily - to be started next on 03.02.2004 at 14:00:00

☐ Weekly - to be started next on 08.02.2004 at 01:00:00

☐ Create New Scheduling

☐ Periodic All

Next Start at At

Description

Distribution Type Output Format ☐ As ZIP I

Recipients Texts Precalculation: General Filter Navigation

User

User in Role

E-Mail Addresses

Authorizations User

Language

User-specific ☐



Settings... Contd...

Settings New setting

Description

Distribution Type Output Format ☐ As ZIP File

Recipients Texts Precalculation: General Filter Navigation

User

User in Role

E-Mail Addresses

Authorizations User

Language

User-specific ☐

Output Format dropdown menu:

- Independent HTML File
- Independent HTML File
- HTML with Separate MIME Files
- Online Links to Current Data

- Under the 'Recipients tab' you can select the Output Format
 - ◆ MHTML (MIME Encapsulation of Aggregate HTML Documents)
 - ◆ HTML
 - ◆ Excel in MS Office XML- Format
 - ◆ Online Link



Settings... Contd...

Settings Sales Query

Description

Distribution Type Output Format

Recipients

User

User in Role

E-Mail Addresses

Authorizations User

Language

User-specific ☐

You can also select the Distribution Type:

- Send as E-Mail
- Export into Enterprise Portal





Pre-calculation Tab



'Pre-calculation Tab'

- If you have exceptions defined in the underlying queries the different defined exception levels will be displayed
- You can determine if the Broadcasting should only be triggered if a certain alert level has been reached




▼ Rows




Key Figures  




▼ Columns




Time Structure  




▼ Free Characteristics




Area Code   




Customer   

Distribution Channel   

Industry Sector DB SIC   

Product   

Product Group   

Region Code   

	12/ 2003	12/ 2002	%Var.	YTD 2003	YTD 2002	%Var.
Net Sales	\$ 1.739	\$ 1.846	-5,8 %	\$ 21.477	\$ 21.432	0,2 %
Billed Quantity	392 PC	423 PC	-7,3 %	4.921 PC	5.861 PC	-17,1 %
Average Price	\$ 4,44 /PC	\$ 4,37 /PC	1,6 %	\$ 4,36 /PC	\$ 3,66 /PC	19,1 %

Target in Enterprise Portal Texts **Precalculation: General** Filter Navigation

Exceptions

☐ No Include

☒ Only Precalculate at Lowest Alert Level

Lowest Alert Level Good 1

Good 1

Critical 1

Bad 3







Defining Exceptions

Description Current Month Variance ☒ Active

Evaluation for

Key Figures (Everything) Time Structure %Var.

Exception Values **Cell Restrictions**

From	To	Alert Level
 #	0	 Bad 9
 0	100	 Medium 4
 100	250	 Good 1



Filter Navigation Tab

‘Filternavigation Tab’

- If you precalculate queries you can automatically generate filter navigation by choosing the corresponding characteristics
- In order to use this function for web templates, a navigation block item has to be included in the template

Target in Enterprise Portal	Texts	Precalculation: General	Filter Navigation
<input type="radio"/> No Filter			
<input checked="" type="radio"/> Filter by Selected Characteristics			
<input checked="" type="checkbox"/> Customer	Filter Values Create	Add Unfiltered View <input checked="" type="checkbox"/>	
<input type="checkbox"/> Industrial Sector	Filter Values Create	Add Unfiltered View <input type="checkbox"/>	
<input checked="" type="checkbox"/> Area Code	Filter Values Create	Add Unfiltered View <input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/> Regional Code	Filter Values Create	Add Unfiltered View <input type="checkbox"/>	
<input type="checkbox"/> Product	Filter Values Create	Add Unfiltered View <input type="checkbox"/>	
<input type="checkbox"/> Sales Channel	Filter Values Create	Add Unfiltered View <input type="checkbox"/>	

Save Save as Check Schedule Execute Close



Scheduling

Depending on authorizations, end-users can schedule their Broadcasting Settings

- Based on Process Chain Events
- Pre-Defined Time Points
- At any time

Scheduling Send precalculated as MHT

Execution with Data Change in the InfoProvider

☒ Demo Scenario DalSegno Company Sales Data

Execution at Predefined Time

☐ All 2 Weeks - to be started next on 02.11.2003 at 04:00:00

☐ Weekly - to be started next on 27.10.2003 at 02:00:00

☒ Weekly - to be started next on 29.10.2003 at 02:00:00

☐ Daily - to be started next on 25.10.2003 at 14:00:00

Scheduling in SAP Background Processing

Daily - to be started next on 25.10.2003 at 17:00:00 ☐ Delete

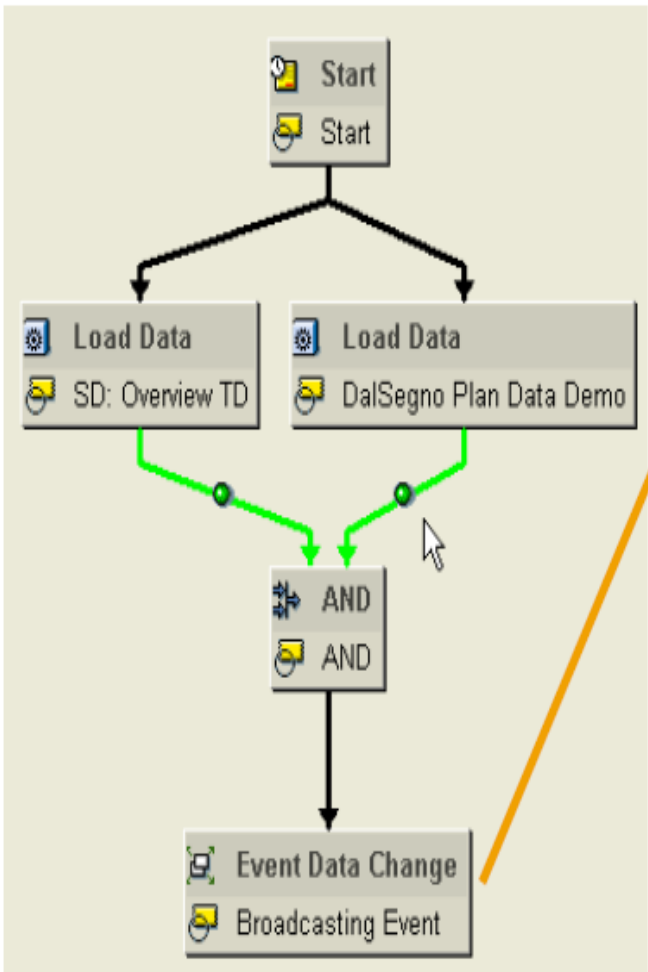
☐ Create New Scheduling

☐ Periodic All

Next Start at At



Setting Up Events via Process Chains



Variant	Last Changed On
PM_BROAD1	From PETERA
Broadcasting Event	Or 28.01.2004 At 16:46:46 Time

Determine InfoCubes using process chains: Select the variants to be included

3.. Ic...	Cty	Variant	Description
<input checked="" type="checkbox"/>		LOADING	0PAK_3Q05YCV3ADMJC9F6QOW2P ...
<input checked="" type="checkbox"/>		LOADING	0PAK_3QP1K9BMP7EJPKJSI9SA9 ...
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			

Specify InfoCubes directly: Select InfoCubes using the input help for the 'InfoCube' field

Ic...	InfoCube	Description
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		



Important Backend Settings

Address Logon data Defaults Param

Person

Title Dear Mr.

Last name SMITH

First name John

Academic Title

Format SMITH

Function

Department

Room Number Floor

Communication

Language

Telephone Extern

Mobile Phone

Fax Extern

E-Mail john.smith@dalsegno.com

Comm. Meth

SAPconnect: Administration (system status)

Start of evaluation time: 28.01.2004 15:09

	Completed	Error	In transit	Waiting	Duration In transit	Duration Waiting
					hh:mm	hh:mm
IDD(003)	1	0	0	0		
FAX Telefax	0	0	0	0	0:00	0:00
INT Internet	1	0	0	0	0:00	0:00
SMTP	1	0	0		0:00	0:00
X40 X.400	0	0	0	0	0:00	0:00
RML R/Mail or	0	0	0	0	0:00	0:00
PAG	0	0	0	0	0:00	0:00
PRT	0	0	0	0	0:00	0:00

Pre-Requisites for Broadcasting:

- Internet Mail Gateway has to be customized (transaction SCOT)
- User e-mail addresses have to be maintained in via transaction SU01

Transaction SCOT

- Here you can check the system status for currently queued outgoing e-mails



Useful Transaction Codes

Transaction code	Use
SCOT	SAPConnect Administration

Enterprise Portal Integration



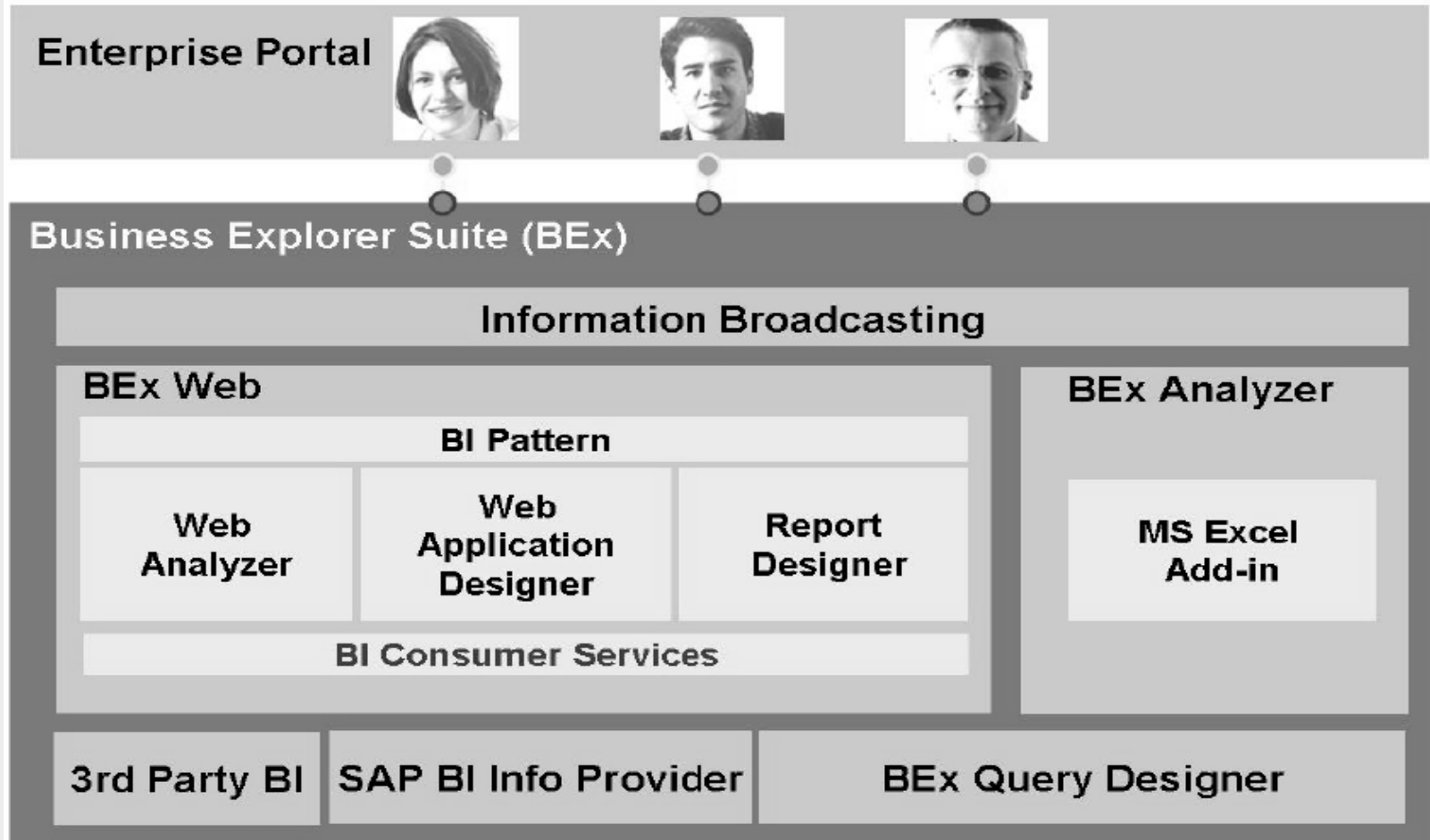
Introduction

- The *SAP Enterprise Portal* enables you to access applications from other systems and sources, such as the Internet or Intranet.
- Using one entry point, you can reach both structured and unstructured information.
- In addition to content from *Knowledge Management*, *business data from data analysis* is available to you from the Internet and from the Intranet.
- The preparation of information is based on user roles in the company.
- Since *SAP Business Intelligence* uses the role concept, integrating *SAP BI* contents into the *SAP Enterprise Portal* is easy.
- Furthermore, you can also use the *iView* concept to integrate *SAP BI* applications and bring individual Web applications from *SAP BI* as an *iView* into the *SAP Enterprise Portal*.



Integration into the SAP Enterprise Portal

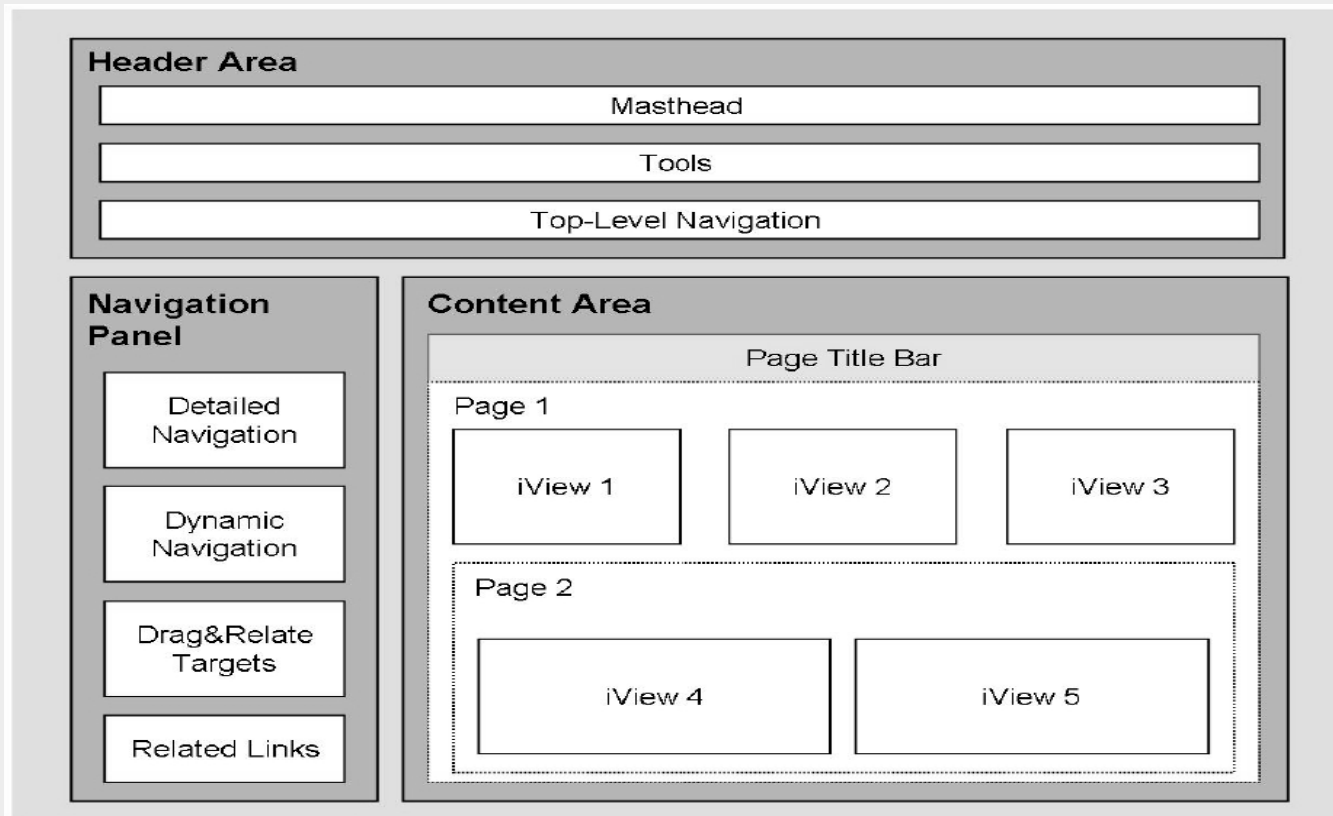
Seamless Portal Integration with the Business Explorer Suite





The Portal Desktop

The portal desktop refers to the entire portal screen, including content and layout.





The Portal Desktop

Header Area

Willkommen Smith John

Suchen

BI Analyst | BI Consumer | DelSegno Company | Business Explorer | BW Administration | Manager Demand Aggregation | Sales | Customer | Lost Sales | Plan | BW Demos

BI Analyst | Sales Analysis | Ad-Hoc Query Designer | ABC Analysis | Quarterly Comparison | BI Graphics | XML Items | Advanced OLAP Analysis | Further BI Analytics

Drag&Relate-Zielobjekte

Verwandte Themen

Navigation Panel

Content Area

Top Material

Data Analysis | Graphical display | Information | Information Broadcasting

Top Materials (Drag&Relate)

Validity of Data: 17.11.2004 11:49:14

Save View | Bookmark | Variable Screen | Exceptions and Conditions | Notes | Export to Excel | Export to CSV

Rows

Material

Columns

Structure

Free Characteristics

Industry sector

Sold-to party

Material	Sales	Cost of sales	DB 1	DB 1 (%)
SunFun / 1200 cm3	51,195 EUR	20,145 EUR	31,050 EUR	60.7 % MIX
Pump PRECISION 104	25,258 EUR	5,842 EUR	19,414 EUR	76.9 % MIX
Pump PRECISION 103	24,209 EUR	7,074 EUR	17,135 EUR	71.0 % MIX
Pump PRECISION 102	20,900 EUR	5,550 EUR	15,349 EUR	73.8 % MIX
CrossFun / 350 cm3	19,607 EUR	16,875 EUR	2,732 EUR	13.6 % MIX
Light Bulb 40 Watt clear 220/235V	14,879 EUR	7,852 EUR	7,227 EUR	48.6 %
Light Bulb 80 Watt clear 220/235V	8,011 EUR	5,212 EUR	2,799 EUR	34.9 %
Light Bulb 60 Watt clear 220/235V	6,934 EUR	4,258 EUR	2,676 EUR	38.6 %
Light Bulb 60 Watt frosted 220/235V	6,754 EUR	3,750 EUR	3,004 EUR	44.5 %
Light Bulb 40 Watt frosted 220/235V	5,789 EUR	3,810 EUR	1,979 EUR	34.2 % MIX
Overall Result	214,889 EUR	95,050 EUR	119,839 EUR	55.8 % MIX

iView

Top Sales Organization

Top Customer

Presentation Title | Author | Date

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Elements

The interface consists of the following elements:

- **Portal Desktop** - The entire portal screen including any content and layout. The out-of-the-box portal desktop consists of the header area, page title bar, navigation panel, and content area.
- **HeaderArea** - The part of the portal layout that contains the masthead, tools area, and top-level navigation bar.
- **Masthead** - Contains branding elements, user identification, and the appropriate (based on the portal configuration) function links from among Help, Personalize, New Session, Log Off and Log On.
- **Tools** - A persistent area that provides ready access to such key applications as real-time collaboration, or to a search component.



Elements

Elements:

- **Top-Level Navigation** - Your entry point for navigating the content available to your role on your portal.
- **Page Title Bar** - An iView below the header area containing items related to the currently displayed content page.
- **Navigation Panel** - The left-hand pane just below the top-level navigation bar, dedicated to navigating content. You can reduce, enlarge, collapse, and expand the navigation panel by clicking the appropriate arrow icons.



Elements:

- **Navigation iViews** - The areas in the navigation panel related to portal navigation, all of which change contextually according to the content displayed in the content area.
 - *Detailed Navigation*: This iView contains links to all the content that is assigned to you, displayed in a tree format.
 - *Dynamic Navigation*: This area contains iViews whose user interface controls, such as drop-down lists and links, access databases and retrieve data related to the content displayed in the content area.
 - *Drag&Relate Targets*: This iView contains a list of links pointing to iViews that have been configured with drag-on capability, according to user permissions. When you drag data items from content iViews onto these links, you receive related information.
 - *Related Links Area*: This iView contains a list of links whose target topics are relevant to the iView or portal page with which you are currently working.



Elements

Elements:

- **ContentArea** - The area of the portal desktop for performing tasks, and in which administrative tools, navigation results, and portal pages with iView content are displayed.
- **Page** - Portal Pages (Services) consists of iViews and are integrated into Portal via Portal roles
- **iView** - *SAP Enterprise Portal lets you retrieve data from information sources in your company and on the Internet through the use of mini programs called iViews (integrated views). iViews can access documents, e-mail, Web sites, intranets, and data in enterprise applications.*



Tools for Integrating BI Objects into Portal

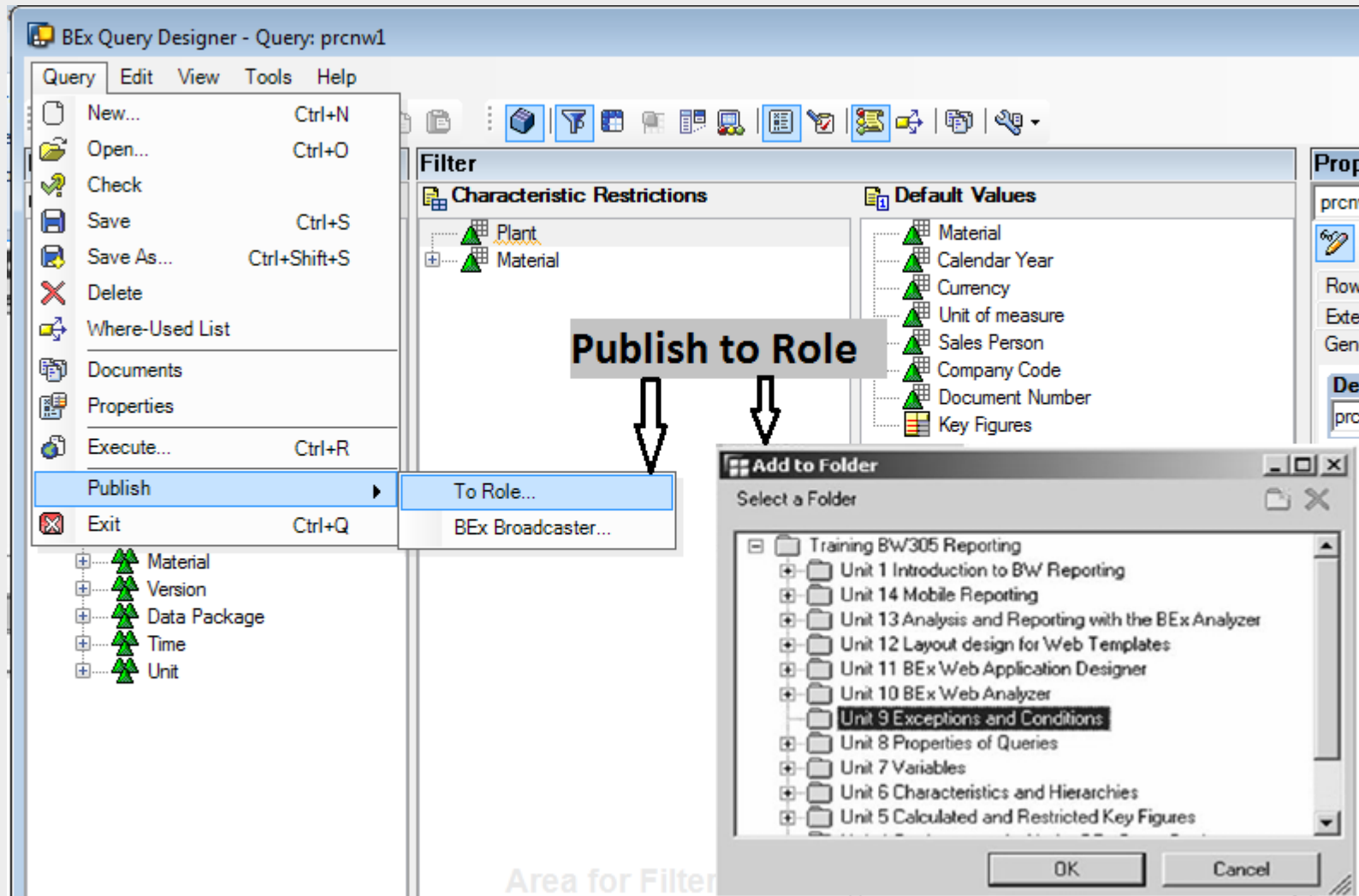
BEx Broadcasting Wizard	An assistant that supports you in precalculating and distributing queries, Web templates or workbooks with step-by-step instructions.
BEx Broadcaster	Tool for precalculation and distribution of queries, Web templates and workbooks. The BEx Broadcaster offers more extensive options than the BEx Broadcasting Wizard.
BEx Web Application Designer	A desktop application for creating Web pages using BI content.
BEx Query Designer	Tool for defining queries that are based on a selection of characteristics and key figures (InfoObjects) or on reusable structures of an InfoProvider.



Tools for Integrating BI Objects into Portal

Portal Content Studio	Central environment for the creation and management of Portal Content in the Enterprise Portal.
KM Content	Central environment for the creation and management of documents and links in Knowledge Management.
SAP Role Upload	Tool for uploading role definitions and the associated objects from backend systems (for example a BI system) into the Enterprise Portal.

Integration Functions in the BEx Query Designer



Integration Functions in the BEx Query Designer

In the menu path, you can select from the following options:

- Publish in Roles

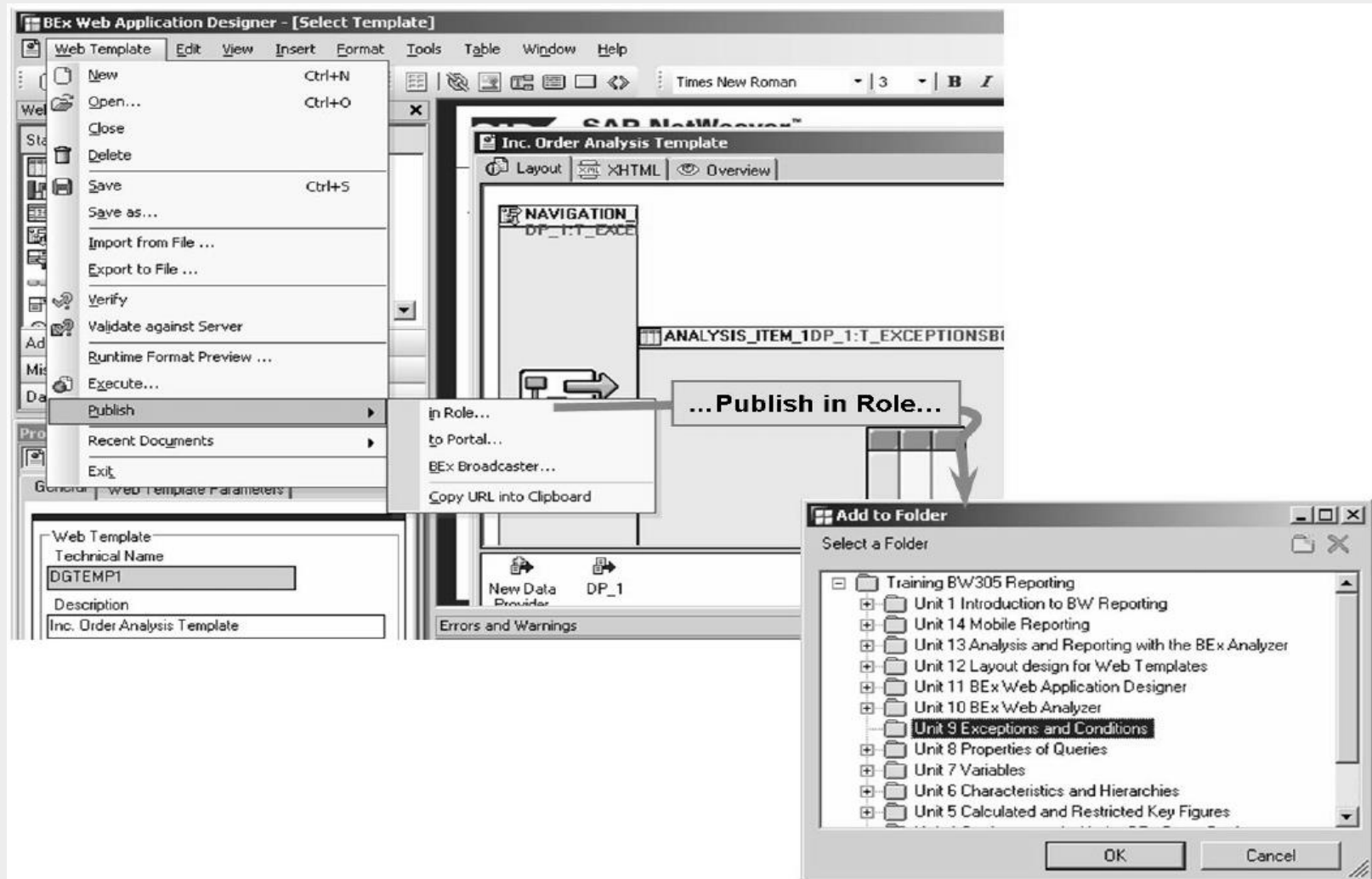
The save dialog appears and you can select a role in which you want to publish the query. The system saves a link to the current query in the selected role. This role can later be integrated into the SAP Enterprise Portal with the function Role Upload.

- BEx Broadcaster

The BEx Broadcaster, which is a Web application for precalculating and distributing queries, Web templates and Workbooks, appears. You can find additional information under lesson of the BEx Broadcaster.



Integration Functions in the BEx WAD





Integration Functions in the BEx WAD

The screenshot illustrates the workflow for publishing a BEx template to a portal. It features three main windows:

- BEx Web Application Designer - [Select Template]**: The top window shows the 'Publish' menu. A callout box labeled **...Publish a Template to Portal** points to the 'Publish' option. The 'Publish' submenu is open, showing options like 'in Role...', 'to Portal...', 'BEx Broadcaster...', and 'Copy URL into Clipboard'.
- SAP NetWeaver Portal - Microsoft Internet Explorer**: The bottom-left window shows the 'Select a folder' dialog. A callout box labeled **...Choose a Portal folder destination** points to the 'View Templates' folder under the 'Templates' category. The 'Selected Folder' is 'portal_content\templates\iViews' and the 'Description' is 'iView Templates'.
- Export to Portal Content Directory (PCD) as iView**: The bottom-right window shows the 'Export to Portal Content Directory (PCD) as iView' dialog. It prompts the user to enter a technical name and description for the iView. The 'Technical Name' is 'DGTEMP1' and the 'Description' is 'Inc. Order Analysis Template'. The 'Folder Name' field is empty, with a folder icon button next to it.