About the Tutorial

SAP Dashboard is a SAP Business Objects Data Visualization Tool that is used to create interactive dashboards from different data sources. Dashboard allows BI developers to create custom dashboards from almost any data source to meet the business requirements in an organization. You can export the dashboard to PDF, PPT, etc.

This is a fundamental tutorial that covers the basics of SAP Dashboards and how to deal with its various components and sub-components.

Audience

This tutorial has been prepared for those professionals who wish to learn the basics as well as the refinements of SAP Dashboards and execute it in practice.

SAP Dashboard will be useful for BI Developers, Executive Managers and Information Consumers as it provides tools for Data Visualization, Enterprise Reporting, Business Objects Planning and consolidation, Enterprise Performance Management, Query and Analysis, Enterprise Information Management, etc.

This tutorial aims to make the reader comfortable in getting started with SAP Dashboard and its several other utilities.

Prerequisites

It is an elementary and straightforward tutorial which the readers can easily understand. The concepts are explained here with a basic knowledge of how a company or an organization deals with its various reports and Data. However, it will help if you have some prior exposure of charts, tables and working on MS Excel Workbook.

Additionally, it will also be good if the reader has knowledge of Flash files (.swf), Adobe PDF, Power Point Presentation etc. which will help them immensely in understanding this tutorial.

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# Table of Contents

About the Tutorial ........................................................................................................... i
Audience ......................................................................................................................... i
Prerequisites .................................................................................................................... i
Copyright and Disclaimer .............................................................................................. i
Table of Contents ............................................................................................................ ii

1. SAP DASHBOARDS – INTRODUCTION ...................................................................... 1
   What is SAP Dashboard? ............................................................................................... 1
   SAP Dashboard – Overview ......................................................................................... 1

2. SAP DASHBOARDS – VERSION ................................................................................ 3
   SAP Dashboards Vs Design Studio ............................................................................... 3
   Sample Models ............................................................................................................. 4

3. SAP DASHBOARDS – WORKSPACE ......................................................................... 6

4. SAP DASHBOARDS – FONT OPTIONS ..................................................................... 9

5. SAP DASHBOARDS – COMPONENTS BROWSER ....................................................... 12

6. SAP DASHBOARDS – OBJECT BROWSER ................................................................. 16
   Renaming and Hiding the Components ...................................................................... 17
   Setting up the Canvas Background ........................................................................... 17
   Display Grid on Canvas with Components ............................................................... 20

7. SAP DASHBOARDS – QUICK VIEWS ....................................................................... 22
   Ways to Access Quick Views ..................................................................................... 22
   Using Auto-Hide ......................................................................................................... 25

8. SAP DASHBOARDS – DOCKING/UNDOCKING ......................................................... 27
<table>
<thead>
<tr>
<th>Chapter</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>SAP DASHBOARDS — WORKING WITH COMPONENTS</td>
<td>28</td>
</tr>
<tr>
<td>10</td>
<td>SAP DASHBOARDS — PROPERTIES PANEL</td>
<td>29</td>
</tr>
<tr>
<td></td>
<td>Types of Tabs in the Properties Pane</td>
<td>30</td>
</tr>
<tr>
<td>11</td>
<td>SAP DASHBOARDS — BINDING COMPONENTS</td>
<td>36</td>
</tr>
<tr>
<td></td>
<td>Embedded Spreadsheets</td>
<td>36</td>
</tr>
<tr>
<td></td>
<td>BEX Query or Universe Query</td>
<td>38</td>
</tr>
<tr>
<td>12</td>
<td>SAP DASHBOARDS — SETTING COMPONENT PROPERTIES</td>
<td>41</td>
</tr>
<tr>
<td></td>
<td>Setting Colors for Component Elements</td>
<td>41</td>
</tr>
<tr>
<td>13</td>
<td>SAP DASHBOARDS — CONFIGURE COMPONENT PROPERTIES</td>
<td>45</td>
</tr>
<tr>
<td></td>
<td>Different Tabs to Configure Component Properties</td>
<td>45</td>
</tr>
<tr>
<td>14</td>
<td>SAP DASHBOARDS — COMPONENT COLORS</td>
<td>47</td>
</tr>
<tr>
<td></td>
<td>How to Define a Color for an Element?</td>
<td>47</td>
</tr>
<tr>
<td></td>
<td>How to Create</td>
<td>48</td>
</tr>
<tr>
<td></td>
<td>Custom Colors for Elements?</td>
<td>48</td>
</tr>
<tr>
<td>15</td>
<td>SAP DASHBOARDS — SETTING COMPONENT TEXT</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>How to Define Text Formatting?</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>Number Formatting</td>
<td>51</td>
</tr>
<tr>
<td></td>
<td>Additional Formatting</td>
<td>52</td>
</tr>
<tr>
<td>16</td>
<td>SAP DASHBOARDS — CHART COMPONENTS</td>
<td>53</td>
</tr>
<tr>
<td></td>
<td>Area Chart</td>
<td>54</td>
</tr>
<tr>
<td></td>
<td>Line Chart</td>
<td>54</td>
</tr>
<tr>
<td></td>
<td>Bar and Column Chart</td>
<td>55</td>
</tr>
<tr>
<td></td>
<td>Combination Chart</td>
<td>56</td>
</tr>
<tr>
<td></td>
<td>Bubble Chart</td>
<td>57</td>
</tr>
</tbody>
</table>
Bullet Chart .......................................................................................................................... 58

Pie Chart ............................................................................................................................... 59

17. SAP DASHBOARDS – CONTAINER COMPONENTS .............................................................. 60
   Types of Containers ............................................................................................................. 60
   Container Properties .......................................................................................................... 61

18. SAP DASHBOARDS – SELECTOR COMPONENTS .............................................................. 63
   Types of Selectors ............................................................................................................... 63

19. SAP DASHBOARDS – SINGLE VALUE COMPONENTS ....................................................... 68
   Types of SVC ....................................................................................................................... 68
   Properties of Single Value Component (SVC) ..................................................................... 72

20. SAP DASHBOARDS – MAP COMPONENTS ........................................................................ 76

21. SAP DASHBOARDS – TEXT COMPONENTS ...................................................................... 80

22. SAP DASHBOARDS – WEB CONNECTIVITY COMPONENTS ............................................. 82

23. SAP DASHBOARDS – UNIVERSE CONNECTIVITY ............................................................. 83
   Query Refresh Button ........................................................................................................ 83
   Query Prompt Selector ....................................................................................................... 85

24. SAP DASHBOARDS – DELETING COMPONENTS & ALERTS ............................................ 87
   Alerts .................................................................................................................................. 87

25. SAP DASHBOARDS – MODELS & TEMPLATES ................................................................. 89
   Templates .......................................................................................................................... 89
   Creating New Templates ................................................................................................. 90

26. SAP DASHBOARDS – THEMES ....................................................................................... 93
27. SAP DASHBOARDS – COLOR SCHEMES ................................................................. 96
   How to Apply a Color Scheme? ........................................................................... 96

28. SAP DASHBOARDS – PREVIEWING MODELS ...................................................... 98
   How to Preview a Model? ................................................................................... 98

29. SAP DASHBOARDS – WORKING WITH DATA SOURCES ...................................... 100
   Embedded Spreadsheets .................................................................................... 100
   How to Import an Excel Spreadsheet? ............................................................... 102
   To Generate SWF Using an External Spreadsheet ............................................ 103

30. SAP DASHBOARDS – DATA CONNECTIONS .......................................................... 106
   Managing Data Connections ............................................................................ 106
   How to Configure a Query as a Web Service? .................................................. 108

31. SAP DASHBOARDS – EXPORT FORMAT OPTIONS .............................................. 112

32. SAP DASHBOARDS – DYNAMIC DASHBOARD .................................................... 114
   Dynamic Dashboard using SQL Server .................................................................. 114
   How to Add a Selector Component? ................................................................. 118
   How to Enable Dynamic Visibility? ................................................................... 122
In this chapter, we will begin with discussing about the basics of what SAP Dashboard is and how it evolved.

**What is SAP Dashboard?**

Dashboard designer is a SAP Business Objects Data Visualization Tool that is used to create interactive dashboards from different data sources. Dashboard designer allows BI developers to create custom dashboards from almost any type of data source to meet the business requirements in an organization.

Dashboards can include different graphs, charts and gauge that are based on the data provided by data sources. Dashboards are used by Senior Management that offers up to date information to information to company CEO's and VP's.

**SAP Dashboard – Overview**

Consider that you have been promoted to the position of CEO of a company and you want to head a board meeting that shows your company’s annual sales growth in different regions.

SAP Business Objects allow you to create dynamic corporate Dashboards for business presentations that looks user interactive and provides the information in quick up to date summary form.

A Dashboard will contain –

- A tab that contains a dynamic chart that contains profit margin by product line, region and Year.
- A tab that contains a chart showing sales versus profit margin.
In the above image, a currency convertor option has been added, to see $ by value in different currencies.
Earlier this Dashboard Designer was known as Xcelsius in SAP Business Objects 3.x version. It was also called Crystal Dashboard when Business Objects was not a product suite of SAP.

When Business Objects was acquired by SAP, the products were renamed as follows –

- BOXI 3.1 compatible Dashboard is called Xcelsius 2008.
- BOXI 4.0 compatible Dashboard is called Dashboard 4.0.
- BOXI 4.1 compatible Dashboard is called Dashboard 4.1.

**SAP Dashboards Vs Design Studio**

SAP Dashboards Designer and Design Studio both are excellent tools for creating dashboards and support advanced features. The selection to choose one over other purely depends on the client requirements and system landscape.

<table>
<thead>
<tr>
<th>Features</th>
<th>Dashboards Designer</th>
<th>Design Studio</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chart Types</td>
<td>There are 22 charts of 16 types</td>
<td>34 charts of 12 types</td>
</tr>
<tr>
<td>Selectors</td>
<td>18 Selectors of 16 types</td>
<td>10 Selectors of 10 Types</td>
</tr>
<tr>
<td>Containers</td>
<td>7 Containers of 3 Types</td>
<td>5 Container of 5 Types</td>
</tr>
<tr>
<td>Maps</td>
<td>For 100 Countries</td>
<td>No Maps</td>
</tr>
<tr>
<td>Calendar</td>
<td>Calendar is available as table</td>
<td>Calendar is available as input field</td>
</tr>
<tr>
<td>Filter Panel</td>
<td>No filter Panel</td>
<td>Drilling and Filtering Capabilities</td>
</tr>
<tr>
<td>What-If Component</td>
<td>6 components</td>
<td>No components</td>
</tr>
</tbody>
</table>
Sample Models

Sample models can be used to check how the different functions work in Dashboards and how you can use these functions in your own model. Each sample model includes own embedded spreadsheets data to check how different components are bound to data in spreadsheets.

You can check sample models in Dashboard by going to the File option at the top.
Under Category - User Guide Samples - Items list - OK
In this chapter, we will discuss about the various tools and buttons that are available in SAP Dashboards.

The following image shows the most commonly used browsers available in the Dashboard designer:

- Component Browser
- Object Browser
- Query Browser
- Canvas
- Embedded Spreadsheets
- Properties Panel
There are five toolbars that you can use when working with models. These are –

- Standard
- Theme
- Export
- Format
- Start Page.

**Standard Tool Bar**
It contains a button for completing general tasks.

**Theme Tool Bar**
It contains buttons for working with themes.

**Export Toolbar**
It contains buttons for exporting your model to different formats.

**Format Toolbar**
It contains buttons for adjusting component on the canvas.

**Start Page Toolbar**
It contains one button that is used to toggle the start page. You can use shortcuts to create new files or to open existing files.
Different fonts can be set for different components. There is an option to setup the global font if you want to use the same font for all the components. This can be used on device fonts or on embedded fonts. When you use machine fonts, exported file is smaller and you can’t rotate text. When embedded fonts are used, you can rotate the text but the file size will be large.

To set Global Font, go to **files -> Document Properties**.
Click on use Global fonts and options for setting up the global font. It will be enabled as shown in the following screenshot –

From the list, you can select –

- Use Device Fonts (Fonts will not be embedded).
- Use Embedded Fonts.

In Embedded fonts, you can go to the advanced tab as shown in the following screenshot and then Click OK.
SAP Dashboards

Canvas size in pixels
- Preset Size
  - 1024 * 768
- Custom Size
  - Width: 1024
  - Height: 768

Use Global Font
- Verdana (iOS 5+, Windows 8, Android 4.0+)

Select Devices Fonts (Fonts will not be embedded)
- Use Embedded Fonts
- Advanced

Show Loading Status

Description

Spreadsheet
- Treat Zero as Blank Cell

Selected Characters to Embed:
- Uppercase [A-Z]*
- Lowercase [a-z]*
- Numerals [0-9]*
- Punctuation [@#$%^]*
- Basic Latin *
- Thai
- Devanagari
- Latin I *
- Latin Extended A *
- Latin Extended B *
- Latin Extended Additional *
- Greek *
- Cyrillic *
- Armenian *
- Arabic
- Hebrew

* Indicates character set detected in font. Sets not marked may still have characters contained within font.
5. **SAP Dashboards — Components Browser**

This browser provides you with a list of all the components that are available to add to the model in Dashboard. You can drag these components to Canvas.

You can also view the components under *Tree and List* as per the functional category.
Favorites: These are available under Category and Tree view. To add a component to Favorite, right click on the component -> Add to Favorites.

Once you add a component to Favorite, you can see it under the Favorite tab. To remove the component, right click -> Remove from Favorites as shown in the following screenshot.

Charts: Charts are used to perform comparison, trend and patterns.

Containers: Container components group and display other components.

Selectors: It allows dashboard consumer to select data at run time.

Maps: It is used to display data by region.
**Category View:** Components are grouped in a sliding view and you can scroll down to open each category.

**Tree View:** In tree view, the components are organized in folders as per their category. You can click on the folders to see what all categories are there and check the list of available components as well.
List View: In list view, the components are arranged in alphabetical order and they are not grouped based on the category.
An Object Browser provides you with list of all the available components that you can add to your model. You can use Object Browser to add and change these components and to lock or hide the components in the canvas.

To select a component in the Object Browser, click the component name to make it active on the canvas. To select multiple components, you can use the CTRL key.
Renaming and Hiding the Components

You can also rename a component that you add to the Canvas in Object Browser. Click on the component that you want to rename. The name is highlighted and the cursor is in the text box. Enter the name of the component and press ENTER.

You can hide the components on the Canvas to prevent any interaction with them. To hide or show all the components in the Object Browser, do the following –

![Renaming and Hiding Components](image)

Locking the Components

You can also lock the components and groups in the Canvas so that they can’t be used in the model.

To lock all the components or group, you can click on the lock icon.

![Locking Components](image)

Setting up the Canvas Background

You can change the color of the canvas background and can add grid to help you arrange items on the Canvas. You can adjust the size of the canvas to get more space to work. You can set the canvas background as solid or gradient background.

To set a transparent background, under the Canvas properties, select type as None. If you can’t see the Canvas property pane, open a model. You can set the following value for type:
Background Color

When you select solid or gradient type, you can select the background color box to set the colors to be used in the background.

For Solid Background, select a single color and or Gradient background select Background color 1 and Background color 2.

<table>
<thead>
<tr>
<th>Solid</th>
<th>A single solid color</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gradient</td>
<td>Two colors that fade together from top to bottom</td>
</tr>
<tr>
<td>Image</td>
<td>A JPG or SWF file. Select the file to import as the background</td>
</tr>
<tr>
<td>None</td>
<td>A transparent background</td>
</tr>
</tbody>
</table>
When you select type as Image, you can get an import option to add an image from your local computer. You can add a background in your data model that may match your company logo or any other image represents objective of the model.
Display Grid on Canvas with Components

You can also line items along with gridlines. You can use grid manually to position each component.

Go to File -> Preferences –

On the left side, select Grid and you can choose from the following options –

| Show Grid | Select to display a grid on the canvas. |
| Snap To Grid | Select to have components automatically align to the nearest gridlines. |
| Width | Specify the spacing between grid columns in pixels. |
| Height | Specify the spacing between grid rows in pixels. |
Preferences

Grid

Show Grid

Snap To Grid

100 Width

100 Height

Restore Defaults

OK Cancel Apply
End of ebook preview
If you liked what you saw...
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