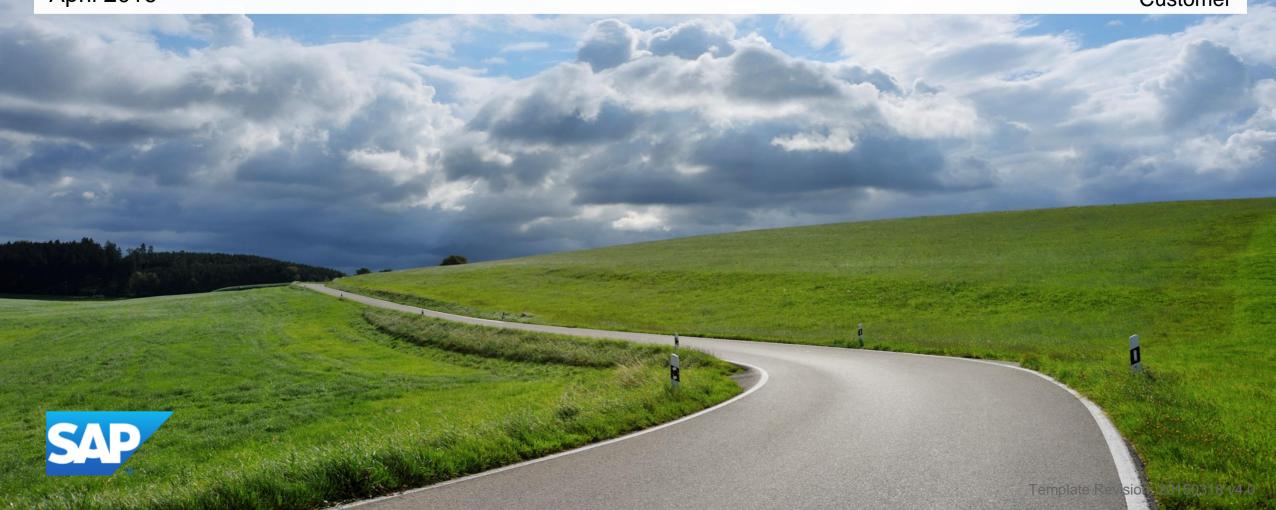


April 2016 Customer



# **SAP Analytics – Overview Webinars**

SAP Analytics - Overview

SAP BI - Overview & Roadmap

SAP EPM – Overview & Roadmap

SAP EIM – Overview & Roadmap

SAP Predictive Analytics – Overview & Roadmap

SAP GRC – Overview & Roadmap















Jayne Landry

Olivier Duvelleroy / Saurabh Abhyankar

Kirk Anderson

Paul Medaille

Sven Bauszus

Kevin McCollom

Mar 16

Mar 23

Mar 24

Mar 30

Mar 31

Apr 13

# **SAP Analytics Portfolio - BI Solutions 1/2**

Crystal Reports; Nina Bao / Donald Guo Reporting Intro by Merliin Ekkel Mar 29 Web Intelligence Gregory Botticchio **Adopting BI 4.1 /4.2** Apr 5 Merliin Ekkel Apr 7 What's new in BI 4.2 Merlijn Ekkel **Analytics Services** Markus Schunter Apr 12 Portfolio **Self Service BI** Ina Felsheim Apr 14 Lumira: François Imberton Apr 20 **Discovery & Analysis** Intro by Saurabh Abhyankar Pred. Analytics, Pierpaolo Vezzosi

# **SAP Analytics Portfolio - BI Solutions 2/2**

Cloud for Analytics Apr 21 **BI Cloud** Merlijn Ekkel / Ty Miller BI in the Cloud BI for Office /Analysis for Office & Live Office Integration Alexander Peter Apr 27 Office **Dashboards & Apps David Stocker Design Studio & Dashboards** Apr 28 BI platform Maheshwar Singh May 3 **Biq Data** Angela Harvey May 11 May 12 Reena Sethy Mobile

# Legal disclaimer

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# **Product Overview**

- Product description
- Key trends and customer needs
- Road map overview and major product updates



### Product description



**Professionals Design for** Large Numbers of Users

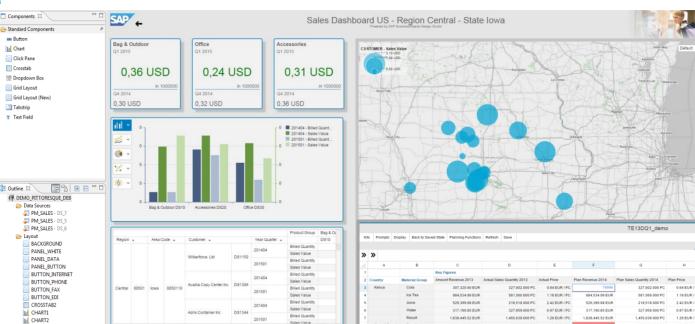


Drag & Drop Powerful Visualizations and Controls: Tables, Charts, Geo Map. Filters etc.

> Full OLAP & Planning Support, Dashboards

Rapid Prototyping with Offline Data (CSV)

Personalized Online Composition for End-Users

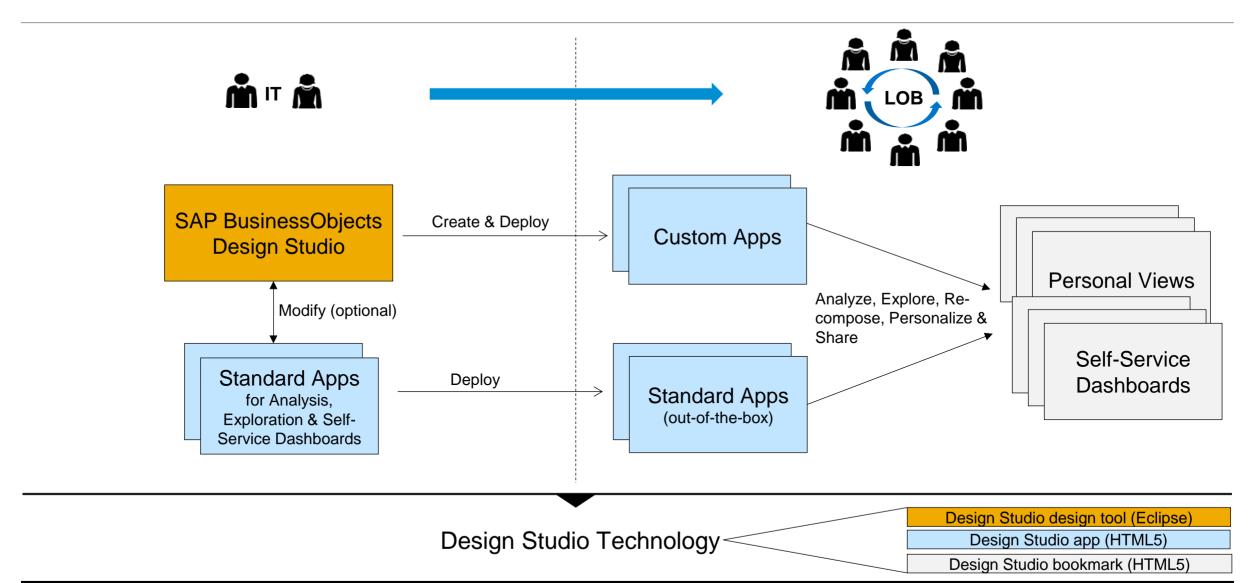


**Access Enterprise Data** Sources: SAP BW. SAP HANA. UNX. ESP Event Streaming

> Standard Apps for Analysis, Planning, Data Exploration, Self-Service

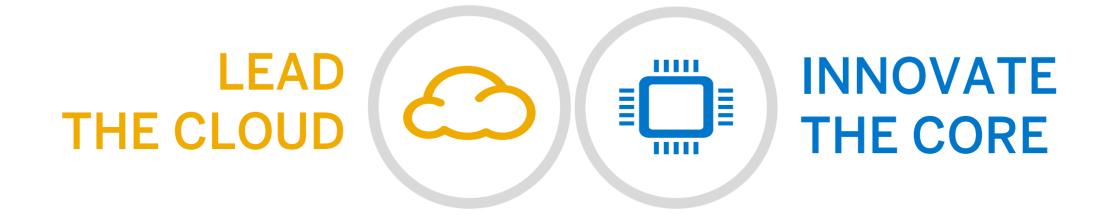
State of the art HTML5 Rendering & Mobile Support

# How IT and Business use SAP BusinessObjects Design Studio



Key trends and impacts in business and technology

# SAP Analytics Strategy



### Customer needs and the value propositions of the product

### Leverage enterprise assets as they are

- Connect to SAP BW, SAP HANA and 3rd party enterprise data through existing data models
- Leverage planning infrastructure (BW-IP, BPC embedded model)
- Leverage existing user authorizations and data security in SAP BW and SAP BusinessObjects Business Intelligence (BI) platform

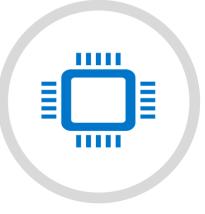
### Leverage future investments in BI platform, e.g.

- Performance and reliability
- Commentary infrastructure
- Refer to the BI roadmap for more details

### Leverage investments in BI client products

- Close Interoperability with SAP Lumira
- Close Interoperability with SAP BusinessObjects Analysis, edition for Microsoft Office





### Planned convergence of the SAP BI client portfolio



**Discovery Analysis** 

Lumira **Explorer** 

SAP Lumira



**Dashboards Applications** 

**Design Studio Dashboards BEx Web** Analysis for OLAP



SAP BusinessObjects Design Studio (and apps)



Office Integration Analysis for Microsoft Office FPM Add-in Live Office **BEx Analyzer** 

SAP BusinessObjects Analysis, edition for Microsoft Office



Reporting

Crystal Reports Web Intelligence Desktop Intelligence



SAP Crystal Reports SAP BusinessObjects Web Intelligence

Customer

<sup>\*</sup> Focus on functional convergence, not on legal successors

### Product road map overview - key themes and capabilities

#### **Today**

#### **End User**

- · Geo map enhancements
- Chart enhancements
- New visualization components: Scorecard, Spreadsheet, Timer, Tree
- · Export to PDF enhancements
- Right-to-Left Support

#### **Analyst**

- · Crosstab: drag & drop
- Custom measures and Top N filters at runtime
- Context-menu on charts

#### Designer, Developer, Admin

- Rapid Prototyping with CSV data
- SAP Fiori component library
- Enhanced context menu customizing
- Enhanced Universe (UNX) connectivity
- Enhanced standard apps
- Improved design experience
- Extended language support
- · Continuous improvements

#### Planned Innovations

#### **End User**

- Resizable, moveable dialogs
- Display scaling factors in Info charts
- Waterfall Info charts

#### **Analyst**

- Ad-hoc currency conversion
- · Build virtual hierarchy of stacked dimensions

#### Designer, Developer, Admin

- New standard components, e.g. Dialog, Filter Bar, Link, Multi-Line Text Input, Switch, Progress Bar (SAP Fiori library)
- Info chart enhancements
- Initial view editor: simple calculations
- Designer UI enhancement: compact palette view
- Support of cascading filters for UNX and CSV data sources

#### **Future Direction**

#### **End User**

- · Scheduling and broadcasting
- Export to PDF enhancements
- Improved self-service experience, responsive UI
- annotations / comments
- Offline mobile dashboards
- Enhanced interoperability (SAP Lumira, SAP BusinessObjects Analysis, edition for Microsoft Office)

#### **Analyst**

- Variant support
- Enhanced analysis functions (e.g. threshold filters)

#### Designer, Developer, Admin

- Componentization and re-use of custom components
- Local calculations & projection (data manipulation and mash-up for dashboards)
- Robust bookmarks
- Enhanced UNX support (e.g. enhanced data limit)
- Improved scorecard, crosstab and spreadsheet
- Other component enhancements
- Improved conditional formatting
- Improved design experience
- Extending administration capabilities (e.g. LCM)

This is the current state of planning and may be changed by SAP at any time.

Customer

### Key features

### **End User Analysis**

- Drag & drop in crosstab
- Custom measures
- Top N filters
- Planning spreadsheet with copy & paste
- Chart customizing

### **Application Building**

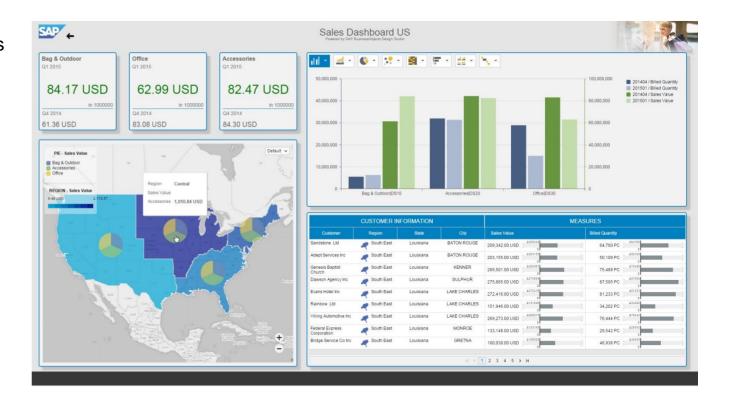
- New and improved components
- Rapid prototyping with offline data (CSV files)
- SAP Fiori component library
- Designtime usability improvements

# New and Improved Components

- Geo map enhancements
- New chart types and options
- Scorecard
- Icon & graphics library
- Planning spreadsheet
- Others, e.g. timer, tree

#### **Platform & Standards**

- Extended data limit for UNX connectivity (20K rows/200K cells)
- Support of multi-source UNX
- Right-to-left (RTL) support



### Scorecard component

### **Header & Column Customizing**

- Select data from result set
- Multi-line headers, merged header cells
- Custom column header texts
- Text alignment
- Custom column formats

### **Rule-based Highlighting**

- Shows exceptions from SAP BW query as trend/status icons, colored text or background
- Shows conditional formats in smart copied Analysis Office views

### **Micro Charts**

Variance and trend charts



### Spreadsheet

### **New Component: Spreadsheet**

- Enables copy & paste
- Excel-like

7 Y.

MEASURES

√/.... 2013

DIMENSIONS

√ Country

✓Actual Sales
Ouantity 2013

√ Actual Price

✓Plan Revenue

Calendar mont

✓ Material Group

POWERED BY SAP DESIGN STUDIO

 Recommended for data entry in planning applications

2 Country

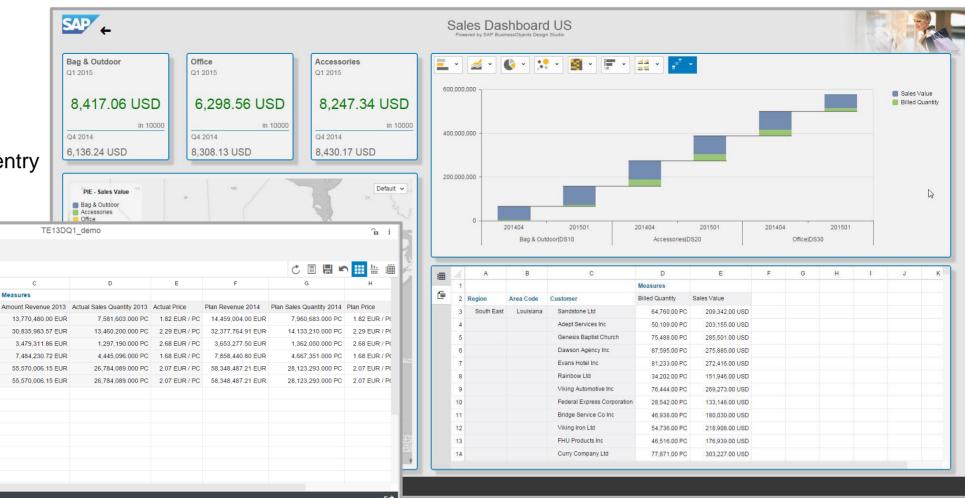
Material Group

Cola

Ice Tea

Juice

Water



See also SAP note 2245363

III COLUMNS

■ ROWS

Material Group

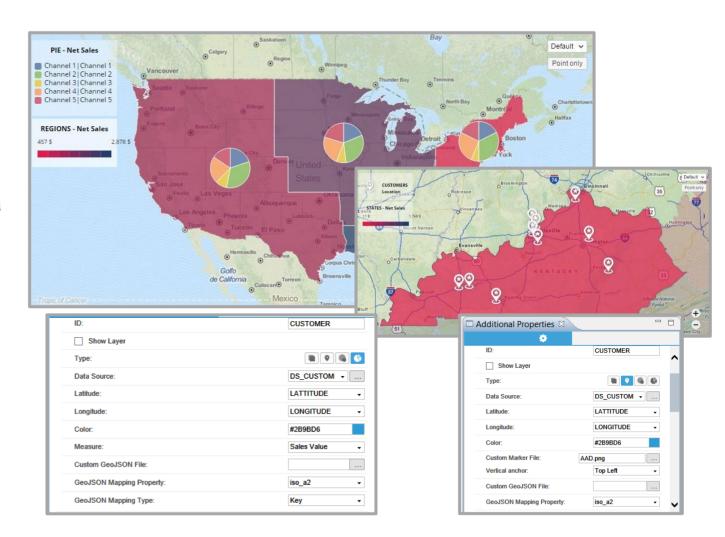
### Geo map enhancements

### **Geo Map**

- Open Solution: Use base maps from your preferred provider, use custom maps/shapes through open GeoJSON standard
- Define up to 10 map layers
- Define user interaction: drill-down in map, filter data
- Color shading based on measure values, point markers, simple charts

#### **New in 1.6**

- Display pie charts in layers
- Use custom point markers
- Ability to display lines from GeoJSON file
- Supported now in bookmarking and onlinecomposition scenarios



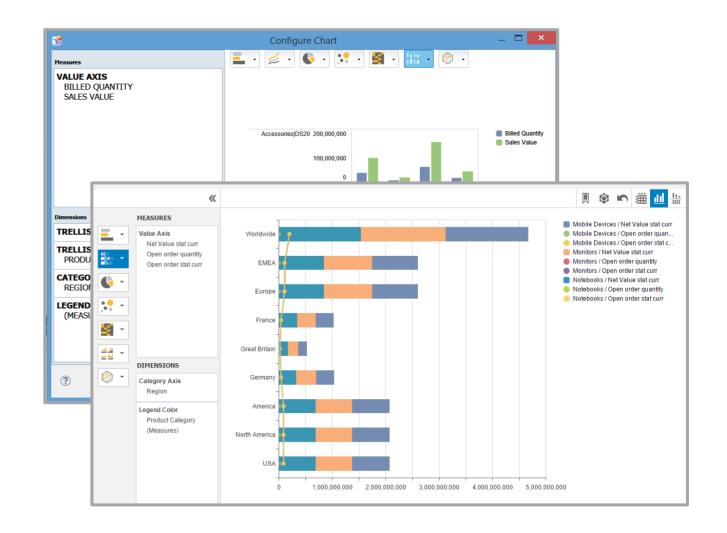
### Chart enhancements

#### Info Chart

- New, recommended chart component (we keep the former chart component for backward compatibility reasons)\*
- · New chart types, e.g. stacked bar/column and line combination charts, bullet chart
- Context menu
- Supports display of conditional formatting defined in BW queries

### **Chart Feeding Component**

- Allows end users to configure data feeding in selfservice apps
- To be used with new info charts



<sup>\*</sup> Current limitations: Waterfall chart, conditional formatting

Customer

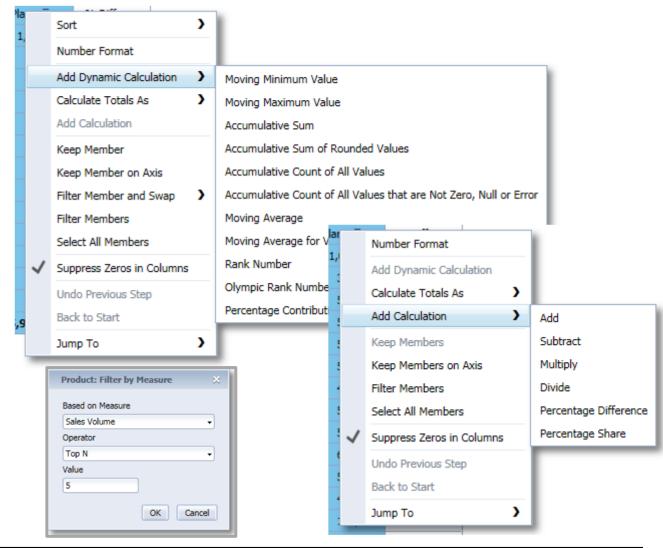
### Custom Measures and Top N at Runtime

#### **Custom Measures**

- End users or analysts can add custom measures based on basic calculations on two measures
  - Add, Subtract, Multiply, Divide
  - Percentage Difference, Percentage Share
- End users or analysts can add a measure with a different aggregation than defined in backend data model
  - E.g. percentage contribution, rank, accumulative sum, moving average/min/max

### **Top/Bottom N Filters**

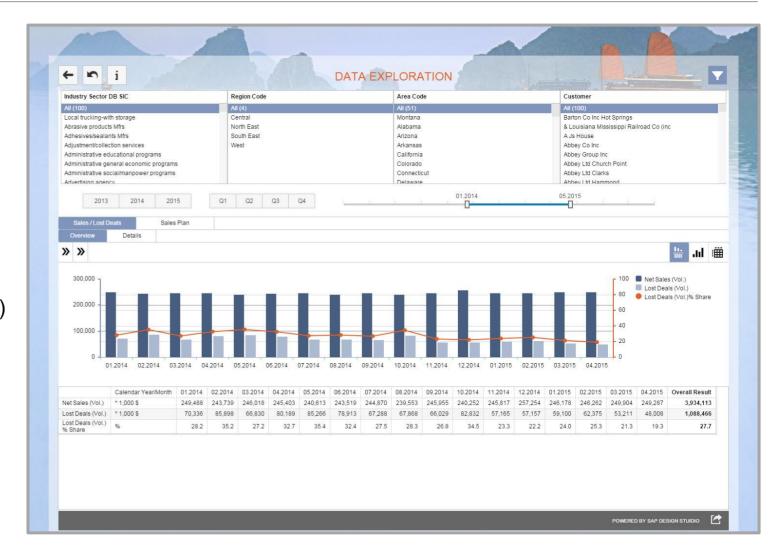
 End users or analysts can create Top N Filters for dimensions based on a measure



Rapid prototyping with offline data (CSV files)

### **Build Demos and Prototypes**

- Demo Design Studio from your laptop or PC, without data connection (local mode)
- Use CSV files with data and meta data
- Create CSV files easily from a backend data source
- Sharing of demo applications is very easy
  - Demo applications can be packaged with their data in a single, self-contained file (ZIP)
  - ZIP files can be simply extracted into Repository folder of any Design Studio installation (local mode)



More feature highlights

Please refer to the Appendix for more 1.6 feature highlights

### Product road map overview - key themes and capabilities

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#### Designer, Developer, Admin

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- SAP Fiori component library
- Enhanced context menu customizing
- Enhanced Universe (UNX) connectivity
- Enhanced standard apps
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- Extended language support
- · Continuous improvements

#### **Planned Innovations**

#### **End User**

- Resizable, moveable dialogs
- Display scaling factors in Info charts
- Waterfall Info charts

#### **Analyst**

- Ad-hoc currency conversion
- Build virtual hierarchy of stacked dimensions

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#### **Future Direction**

#### **End User**

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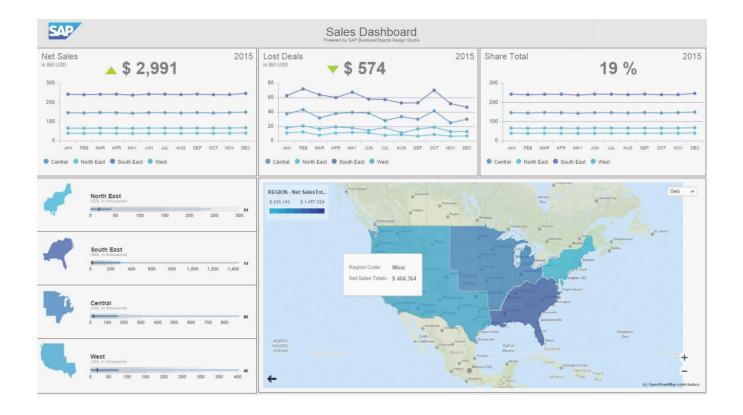
### Planned innovations roadmap

### **Application Building**

- New standard components (SAP Fiori Library): link,
   MultiLine text input, switch, progress bar, dialog
- Waterfall infochart
- Usability enhancements

#### **End user**

- Ad-hoc currency conversion
- Virtual hierarchy of stacked dimensions
- Resizable, moveable dialogs
- Scaling factors in infocharts



### Product road map overview - key themes and capabilities

#### Today

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- Improved design experience
- Extending administration capabilities (e.g. LCM)

This is the current state of planning and may be changed by SAP at any time.

### Future direction road map

### **Xcelsius/Dashboards Convergence**

- Local calculations / import prepared data from SAP Lumira
- Offline dashboards

### **Application Building**

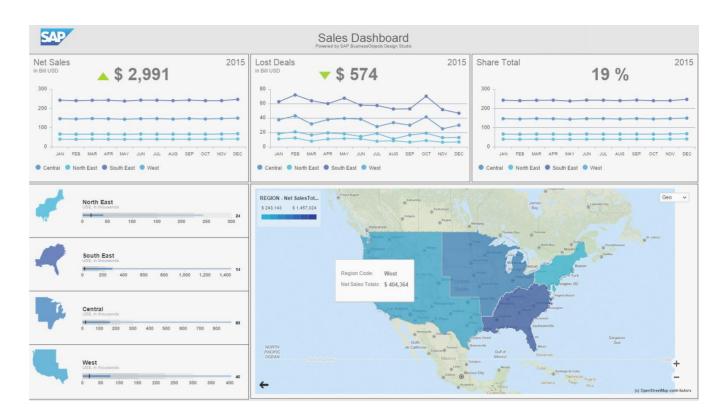
- Componentization & re-use
- Component enhancements
- Import SAP Lumira story and extend

### **Mobile Experience**

- Responsive layouts
- Extension of mobile-optimized library
- Improved gesture support

#### **End User**

- Commentary & annotations
- Scheduling & broadcasting
- Enhanced PDF & Excel export



### Future direction

### BEx Web Application, SAP BusinessObjects Dashboards & Analysis for OLAP Convergence & Migration

- BEx Web, Dashboards and Analysis for OLAP continue to be maintained by SAP, no enforced migration
- Most used capabilities of BEx Web Applications, Dashboards and Analysis for OLAP are available in Design Studio (or planned)
- Architecture of Design Studio is different from any predecessor product, to overcome architectural limitations from the past. Hence, automatic migration of BEx Web Templates and Dashboards is not possible

### **Platform Deployments**

- SAP will focus investments on the BI platform deployment, and recommends all customers to deploy Design Studio on the BI platform
- SAP NetWeaver and SAP HANA deployments only support a minimal feature scope, and new investments are not planned

#### **SAP HANA Connector**

SAP recommends to use the http-based SAP HANA connector (introduced in version 1.5) going forward. The former SAP HANA
connector will not be extended further and hence will not expose newer SAP HANA features to the front-end.

### **UI Library & Chart Library**

• SAP will focus future investments on the SAP Fiori library (SAPUI5.m), and for charting on the infochart library. Customers should consider using those libraries for new applications, if current limitations regarding the supported components (see Appendix 2) or chart types, respectively, do not apply.

This is the current state of planning and may be changed by SAP at any time.

# Related road maps

# SAP BusinessObjects Design Studio is often used in conjunction with other products in the SAP analytics portfolio

Related product road maps available on Service Marketplace:

- SAP BusinessObjects BI platform
- SAP BusinessObjects Analysis, edition for Microsoft Office
- SAP Lumira

# Appendix 1 – More 1.6 Features



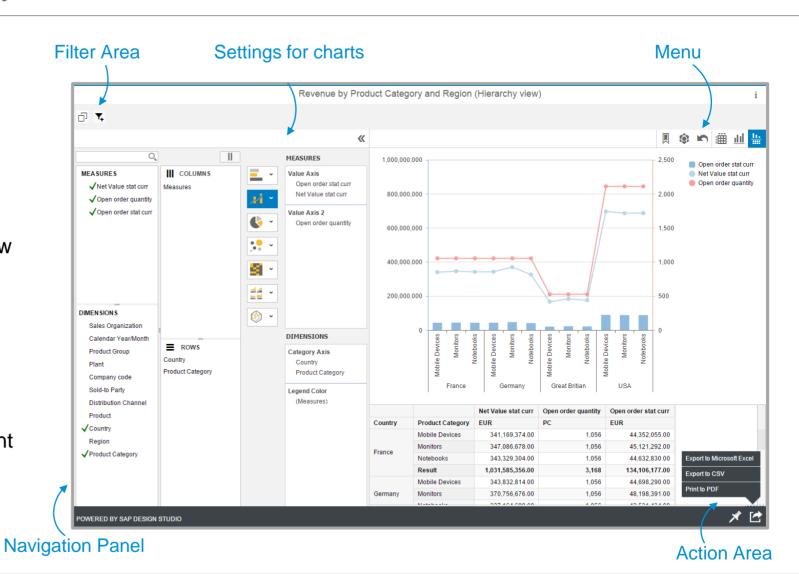
### Standard apps: generic analysis

### Includes

- Menu
- Filter Area
- Navigation Area
- Setting Area for chart
- Data Area including table view, chart view and table/chart view
- Action Area

### **Improvements**

- Simplified Layout
- New Info Charts and Feeding Component
- Drag & Drop
- Custom Measures and Top N Filters

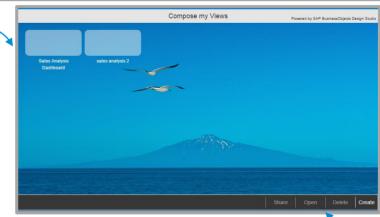


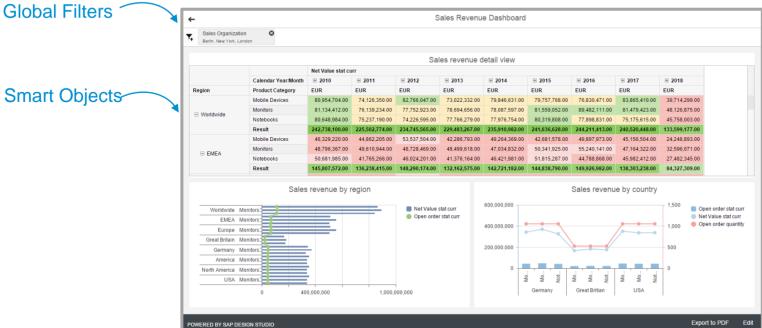
Overview page

### Standard apps: online composition

### **Includes**

- Overview page to see all compositions
- Create, edit, open, share and delete compositions
- New: Global Filters for composition





**Export to PDF** 

Menu

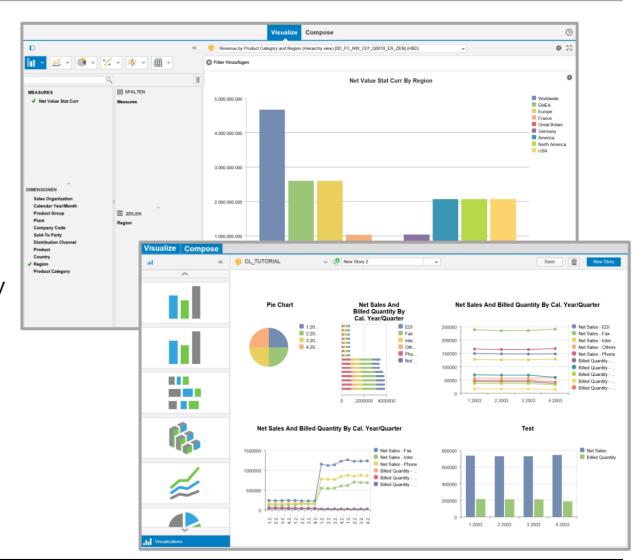
### Standard apps: data exploration & visualization app

### Analyze data, and gain insight with visualizations

- Filter data on the dimensions
- Full pivot table experience
- Visualize data with SAP BW hierarchies
- Use standard context menu
- Use report-report interface / open doc
- Create different visualizations for story composition
- Visualize several datasources and display them in one story

### Compose a story to share with others

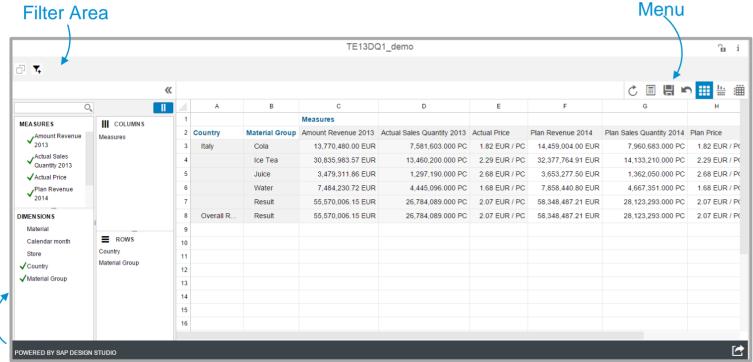
- Save to the BI platform with document level security
- Share a PDF export of a story
- Share a URL link to the story

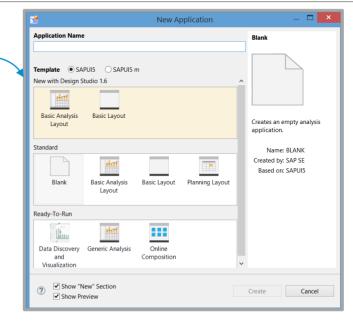


### New layout templates

### Includes

- **Basic Layout Template**
- **Basic Analysis Layout Template**
- Planning Layout Template





Spreadsheet /Crosstab /Chart View

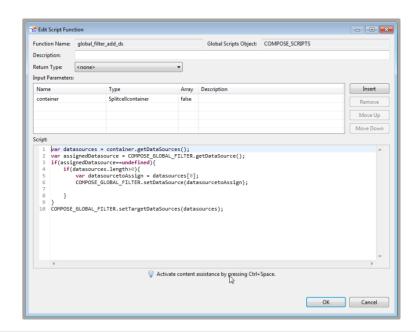
**Navigation Panel** 

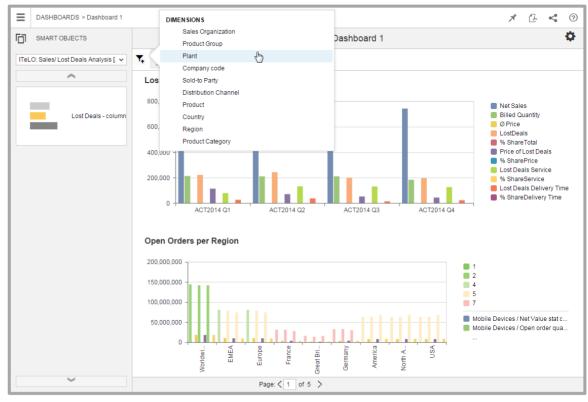
**Create New Application** Dialog

### Global filters in online composition dashboards

#### **Global Filters**

- Can be applied with scripting in online composition dashboards
- The first smart object that are defined in online composition dashboards provides the leading dimensions
- Filter values are applying to all smart objects that are defined in online composition dashboards





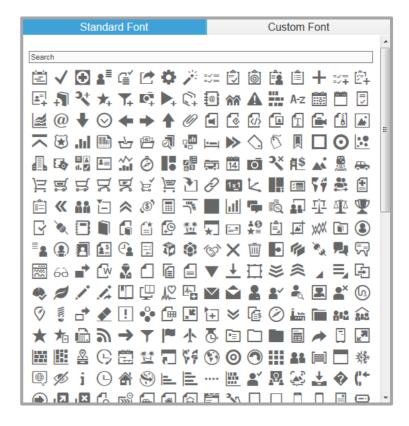
### Graphics and icons library

### **Graphics, Shapes and Icons Library**

- Select from standard graphics and icons library
- Import custom icon library (.ttf file)
- Fully scalable

### **Settings**

- Rectangular or circular shape
- Select icon and background colors
- Scaling factor













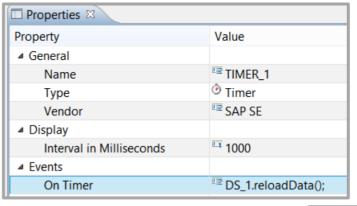
### Other new components

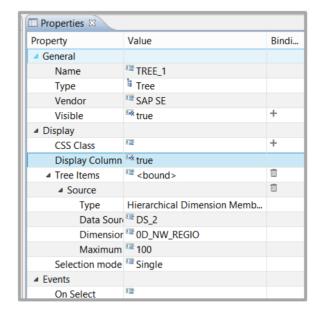
#### **Timer**

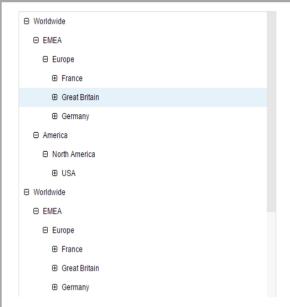
- As technical component available
- Can e.g. automatically refresh the data sources
- Run, start and stop the Timer based on API

#### **Tree**

- As a basic component available
- Display hierarchical structure
  - Display hierarchies via hierarchical dimension member binding
  - Display Bookmark structures on BI platform







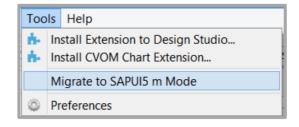
### SAP Fiori component library

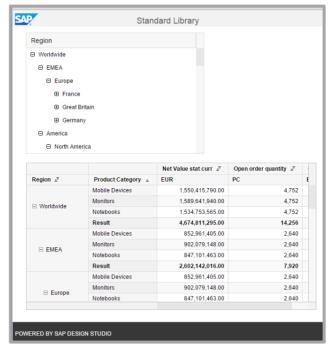
### **New Component Library**

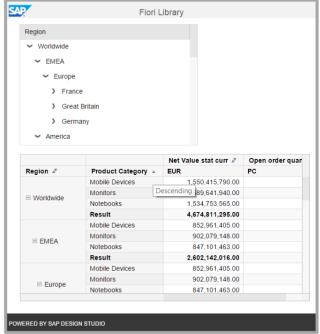
- Based on SAP UI5 main library (sap.m library)
- Optimized for SAP Fiori apps / multi-device consumption
- Go-to library of SAP UI5
- Foundation for responsive applications going forward

### Why Two Component Libraries?

- For the time being, we keep the previous component set for backwards compatibility reasons. New investments will primarily go into the new component set.
- Recommendations for customers: Become familiar with new component set. Consider to build new applications with the new component set, particularly applications to be integrated with SAP Fiori
- Consider to migrate existing applications once all required components are available in the new component set (migration support provided).





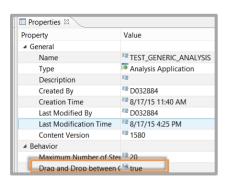


Customer

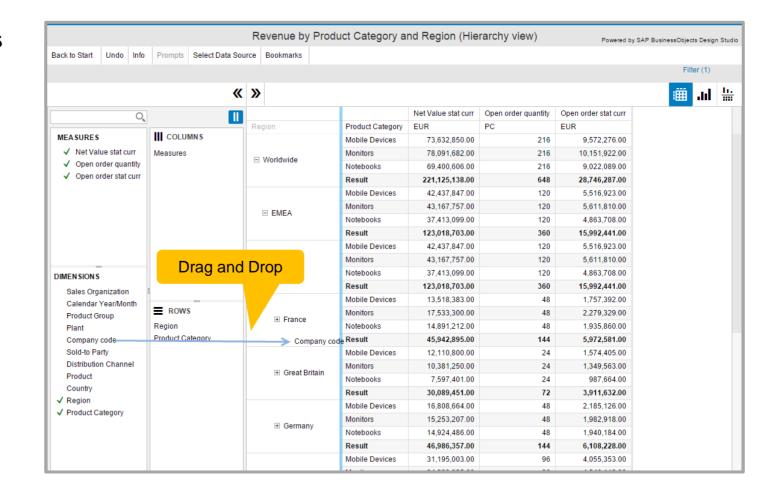
# Drag and drop capability for crosstab

### **Drag and Drop Measures and dimensions**

- Add and delete dimensions from navigation panel to the crosstab
- Sort and delete dimension members and key figures
- Set drag and drop to true in application properties
- Set drag and drop to true in crosstab properties



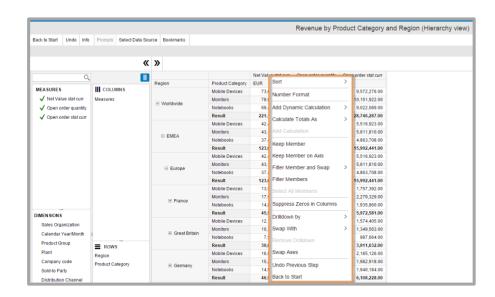




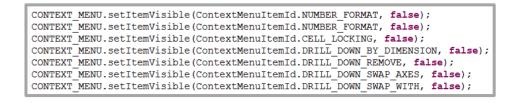
### Context menu enhancements

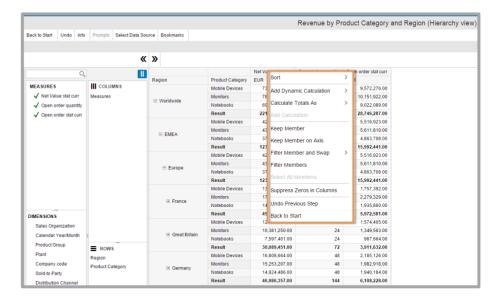
### Context menu enhancements

 Standard entries and custom entries in Context Menu can be set visible/invisible via API



Some standard entries are removed





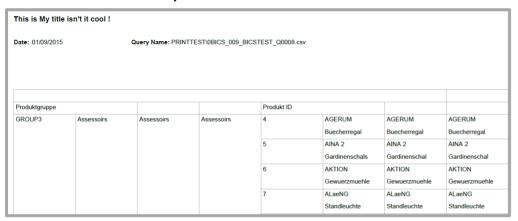
# Enhancements for export to PDF and Excel

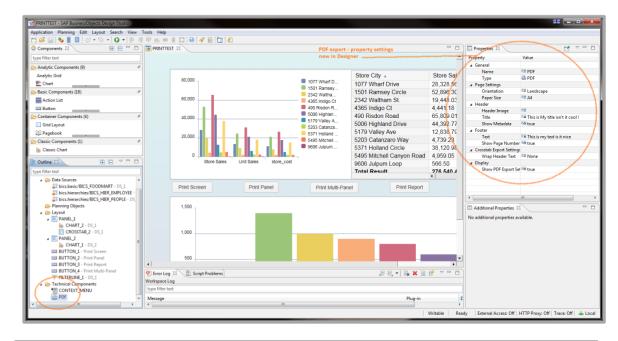
### **Enhancements for Export to PDF**

- Multi-panel WYSIWYG export
- Support of US paper sizes
- Additional properties also available in design time
- PDF export dialog at runtime can be turned on or off
- Header text for table column or/and row can be wrapped

### **Export to Excel/CSV**

Hierarchies can be exported to CSV/Excel file



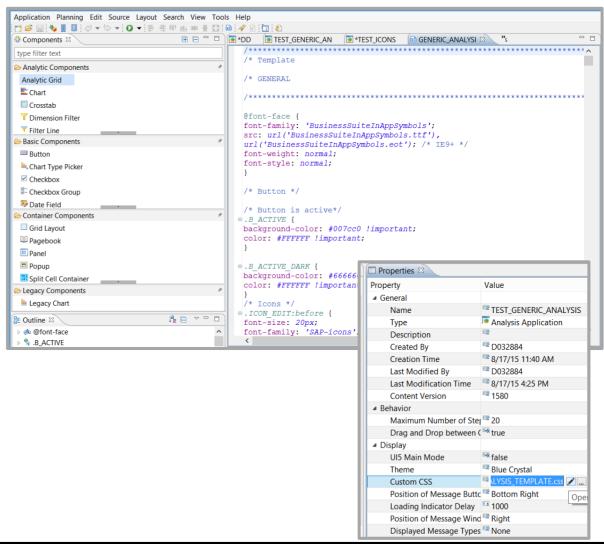


This is My title isn't it cool!								
Date: 01/09/201	5	Query Name: PRIN	Query Name: PRINTTEST\0BICS_009_BICSTEST_Q0008.csv					
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# Integrated CSS Editor in Designer

### **Increased Productivity**

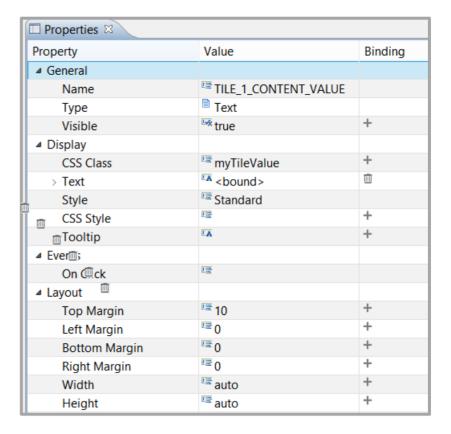
- Edit CSS stylesheets within Designer
- Simple / automatic upload to BI platform,
- Professional features: Syntax highlighting and autosuggest



# Improved data binding

### **Simplified Data Binding**

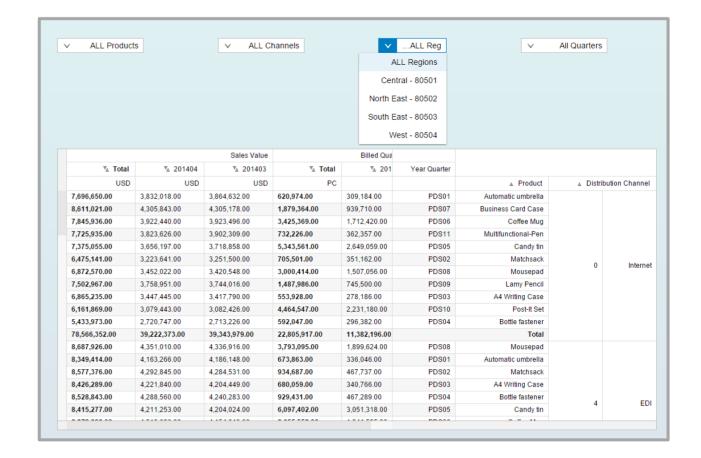
- Improved user interface
- Extra column in property sheet for defining data binding
- Provides clear overview about existing data binding and where the data binding can be defined



# Right to left support

### **Right to Left support**

- Supported for applications built from SAP Fiori library (SAP UI5 main mode)
- Automatically enabled for right-to-left languages (browser language)
- Enabling via URL parameter "&RTL=X" for testing purposes



### SDK Enhancements

### The new requirejs element

isInclude, stdInclude and cssInclude are now deprecated

### **SAP UI5 Modes**

- SAP UI5 Commons
- SAP UI5m (SAP Fiori)

### **New Property Types**

- MultiLineText (translatable)
- Array (allowing list of 1..n values)
- Object (allowing complex property types, including nested tree structures)

### **Extensions can now also be Technical Components**

### Miscellaneous

### **Crosstab Header Scrolling**

Horizontal scrolling improvements in Crosstabs with many dimensions/attributes in the rows (e.g. master data reports)

### **Update SDK Components on BIP without APS restart**

 Accelerated development of SDK components: APS doesn't need to be restarted when deploying an updated version of an SDK component

### Clear variables from bookmarks

Options to clear certain variables when loading bookmarks

### **Performance: Profiling enhancements**

Better readability of profiles, setting the detail level of profiling

### **Scripting Enhancements**

Push for Arrays

# SAP BusinessObjects Design Studio Release 1.6 Important further information

### **First Delivery Note:**

http://service.sap.com/sap/support/notes/2180026

### **PAM Information:**

 $\frac{\text{https://apps.support.sap.com/sap(bD1lbiZjPTAwMQ==)/support/pam/pam.html?smpsrv=https\%3a\%2f\%2fwebsmp203.sap-ag.de#pvnr=73555000100900000450\&ts=0\&pt=g\%7Cd}{\text{ag.de#pvnr}}$ 

### **Documentation:**

http://help.sap.com/boad

### **Sizing Information:**

http://service.sap.com/sap/support/notes/1177020

### Idea Place:

http://ideas.sap.com/sbodesignstudio

### **Performance Tips and Tricks:**

SAP Support Note 1931691

SCN Performance Blog: http://scn.sap.com/community/businessobjects-design-studio/blog/2015/05/22/design-studio-performance-best-practices

# Appendix 2 – Feature Dependencies



# **Dependencies on Platform Deployment (1/4)**

# Features prior to 1.6

Feature	Local Mode	BI platform	NW	HANA
Geo Maps	Х	Х	x	-
Export to PDF & Printing	Х	Х	x	-
Standard Analysis Template	Х	Х	x	-
Filter Line	Х	Х	x	-
Navigation Panel	Х	X	x	х
Chart Type Picker	Х	Х	x	-
Data Discovery & Visualization Template	Х	Х	-	-
Crosstab Enhancements	Х	Х	x	Х
Offline Click-Through	Х	Х	x	-
Export to SAP Lumira	Х	X (but not for BI Mobile)	X	-
Query Parallelization	Х	X	-	(x)
Unmerge Variables	Х	X	X	(x)

# Dependencies on Platform Deployment (2/4)

# Features prior to 1.6

Feature	Local Mode	BI platform	NW	HANA
Data Bound Component Properties	Х	Х	X	-
Context Menu	Х	Х	X	x (limited)
Bookmarking	x	Х	X	-
Bookmark Administration on BI platform	-	Х	-	-
Multiple Language Support	-	X (BIP >= 4.1 SP6)	X )	-
Enhanced Data Connectivity (HANA)	X	X	-	x (design-time)
Enhanced Data Connectivity (UNX)	-	Х	-	-
Export and Import wizard	х	Х	X	x
SDK Enhancements	х	Х	X	-
Commentary Solution based on BW-IP	Х	Х	X	-
Attribute Planning based on BW-IP	Х	Х	X	-
Online Composition Template	Х	Х	-	-

# Dependencies on Platform Deployment (3/4)

### New 1.6 Features

Feature	Local Mode	BI platform	NW	HANA
Drag & Drop to Crosstab	x	х	x	-
Custom Measures, Top N filters,	x	Х	х	-
Icon, Shapes and Graphics Library	x	Х	x	-
Scorecard	x	Х	х	-
Spreadsheet	x	Х	х	-
Right-to-Left support	x	Х	х	-
Info Chart	x	Х	х	-
Chart Feeding Configurator	x	Х	x	-
UNX Enhancements	-	Х	-	-
CSV Data Source / Rapid Prototyping with CSV	Х	-	-	-
Embedded CSS Editor	х	Х	х	-
Global Filters in Online Composition	X	Х	-	-

# **Dependencies on Platform Deployment (4/4)**

## New 1.6 Features

Feature	Local Mode	BI platform	NW	HANA
New Layout Templates	x	Х	Х	-
Tree, Timer	Х	Х	Х	-
SAP Fiori Component Library	Х	Х	Х	-
Context Menu Enhancements	Х	Х	Х	-
PDF & Excel Export Enhancements	Х	Х	Х	-
Improved Data Binding	Х	Х	Х	-
SDK Enhancements	Х	Х	Х	-

# **Dependencies on Data Source**

### New 1.6 Features

Feature	BW	HANA	UNX	CSV
Scorecard Conditional Formatting	Х	(x)*	(x)*	(x)*
Info Chart Conditional Formatting	x (limited)*	- (planned)*	- (planned)*	- (planned)*
Cascading Filters	Х	Х	- (planned)	- (planned)
Top N Filters	Х	(x)**	-	-
Calculations at Runtime	Х	Х	-	-
Dynamic Calculations at Runtime	Х	-	Х	Х
Generic Analysis Template	Х	Х	-	-
Data Discovery & Visualization Template	X	Х	-	-
Online Composition Template	x	X	-	-
Spreadsheet	x)***	x)***	x)***	x)***

<sup>)\*</sup> For data sources other than BW, scorecard conditional formatting is limited to single values, value ranges are not yet supported. It is planned to lift those limitations in a future release and allow the definition of more sophisticated rules within Design Studio. The same is true for the Info Chart (including support for HANA, UNX and CSV).

<sup>)\*\*</sup> Supported with new, http-based HANA connector (single Top N Filter on flat dimensions)

<sup>)\*\*\*</sup> Data Entry / Copy & Paste only available in planning applications with BW-IP / BPC 10.1

# **Dependencies on Component Library**

Feature	Common (SAPUI5)	Fiori (SAPUI5.m)
Most Components (exceptions listed below)	x	x
Info Chart	Х	x
Chart	Х	-
Filter Line	Х	- (planned)*
Split Cell Container	Х	- (planned)*
Popup	Х	- (planned)*
Action Sheet	-	х
Self-Service Templates	Х	- (planned)**
Right-to-Left Support	-	Х

<sup>)\*</sup> Equivalent components planned in Fiori Library for: Filter Line, Split Cell Container (enabling Online Composition), Popup

<sup>)\*\*</sup> It is planned to provide equivalent Fiori Library versions of the Templates for Standard Analysis, Data Exploration and Online Composition (self-service templates)

# **Dependencies on Device Type**

Feature	Desktop	Mobile Devices
Most features (exceptions listed below)	Х	X
Drag&Drop to/within Crosstab	Х	-
Context menu of Crosstab and Chart	Х	-
Online Composition Template	Х	-
Data Discovery and Exploration Template	Х	-
Generic Analysis Template	Х	-
Planning applications	Х	-
Mouse-over tool tips	Х	-
Application scrolling	Х	_ *

For additional information, please also refer to note 2240552 for viewing Design Studio applications on mobile devices using SAP BI Mobile Client Application (MOBI)

<sup>)\*</sup> In case that the application is too large to fit the screen, scrolling will not be possible on mobile devices

# Appendix 3 – Fiori and S4/HANA Integration

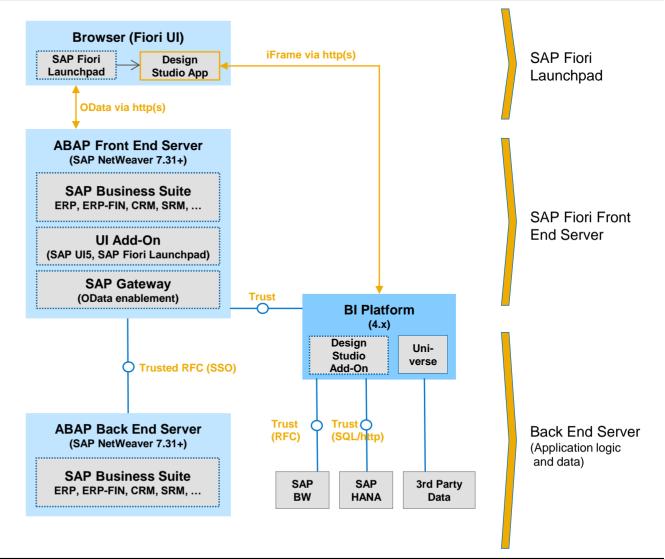


# Fiori Integration - High Level Architecture

### **SAP Fiori Launchpad**

- Design Studio applications running on the BI platform can be integrated into the Fiori launchpad
- Design Studio applications appear as tiles in the SAP Fiori launchpad





# **SAP S4/HANA Integration – High Level Architecture**

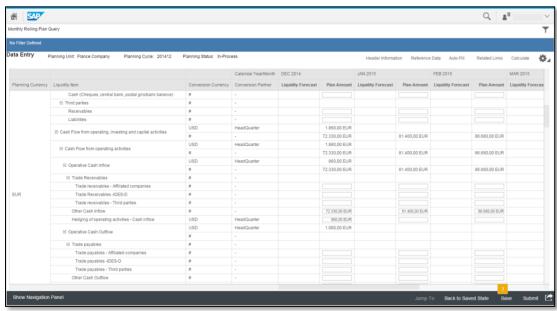
## SAP S4/HANA Data Models **SAP S4/HANA Applications** BI clients on BI platform Design Studio applications can access SAP Transactional, analytical, hybrid e.a. Design Studio S4/HANA data models through transient Bex Queries SAP S4/HANA SAP S4/HANA Analytical Apps Virtual Data Model, based on Core Data Services (CDS) **Analytical Engine\* ABAP Layer SQL-Runtime-Views on Physical Tables** SAP HANA Database Layer

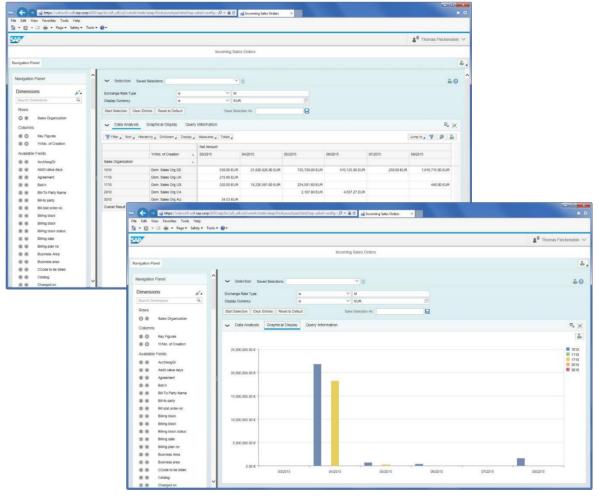
<sup>\*</sup>Generated Transient BEx Queries/Providers

# SAP S4/HANA Integration – Embedded Design Studio

### **Embedded Design Studio**

 Design Studio technology is used for some SAP S4/HANA analytical and hybrid applications, however, those applications are not accessible to a customer Design Studio installation, and cannot be changed by customers





S/4 HANA Multi-dimensional reporting, release 1511

Liquidity Planning, S/4 HANA Finance (sFin), release 1503



# Thank you

### Road map contacts for customers and partners

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christoph.albrecht@sap.com

david.stocker@sap.com

**Product Management** 

David Stocker

# **Key links for more information**

# For customers and partners

### **Key links**

Road maps on SAP Service Marketplace

SAP Community Network

IT Planning Resources

http://service.sap.com/saproadmaps

http://www.sdn.sap.com/

https://service.sap.com/~sapidb/011000358700001160122012E

### Where to go to provide product feedback and ideas

SAP Idea Place

Influence programs

SAP User Groups

https://ideas.sap.com

http://service.sap.com/influence

http://www.sapusergroups.com/

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