SAP Product Road Map

SAP BusinessObjects Lumira

(also includes SAP BusinessObjects Design Studio)

Road Map Revision: 2016.05.18

Customer

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Introduction to product road maps

Purpose

Product road maps are designed to support the product adoption planning activities of SAP customers. A product road map helps a customer match short term and long term goals with technology plans.

A product road map describes how the feature / function capabilities in an SAP product or technology are planned to progress over time, in general:

- Today = changes in the current release version
- Planned Innovations = changes planned in one or more upcoming development releases (up to 12-18 months).
- Future Direction = proposed themes for a product or technology beyond the planned releases

Complementary resources

For a more general description of the business problems / processes being solved and supported by SAP, refer to Solution Road maps.

For more detailed technical information please refer to the Product Availability Matrix, Ramp-up Knowledge Transfer materials and product documentation.

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- Product description
- Road map overview and major product updates

Product Road Map

- Today
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Appendix

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Product Overview

- Product description
- Road map overview and major product updates

Two analytics development tracks

Provide new SaaS Analytics capabilities

SAP Business Objects Cloud

All analytics capabilities in one product

Consumer-grade user experience

Embedded and standalone

High-performance, real-time platform

Software-as-a-Service in the Public Cloud

Continued investment in existing solutions

Enterprise BI

SAP BusinessObjects BI Suite

BI 4.2
Design Studio 1.6 SP2
Analysis Office 2.2

Agile Visualization

SAP BusinessObjects Lumira

Lumira 1.31

Advanced Analytics

SAP Predictive Analytics

Predictive Analytics 2.5

EPM

Ex. SAP Business Planning and Consolidation (BPC)

BPC 10.1 NW SP08

GRC

Ex. SAP Risk Management

Risk Management 10.1 SP11

On-premise and/or Private Cloud Deployment Options

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SAP BusinessObjects Lumira

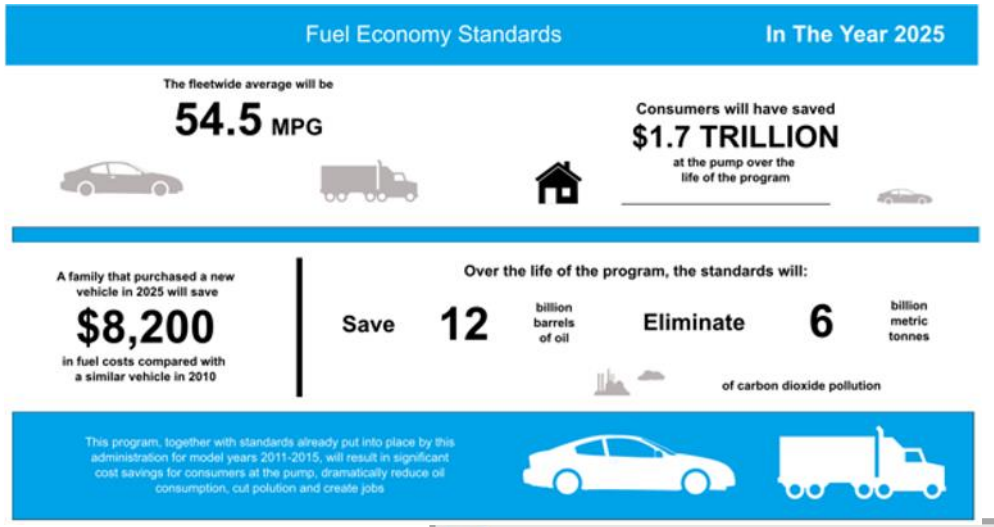
For Trusted Data Discovery, Storytelling and Application Development

Transform data

- Acquire data from corporate, personal and web sources
- Acquire data from custom sources with extensions
- Quickly cleanse, transform, combine and enrich data

Visualize and discover insights

- Rich library of chart types
- Extend, embed and customize with open source D3 extensions
- Discover related insights and influencers
- Full online analysis (OLAP) support on SAP BW and SAP HANA

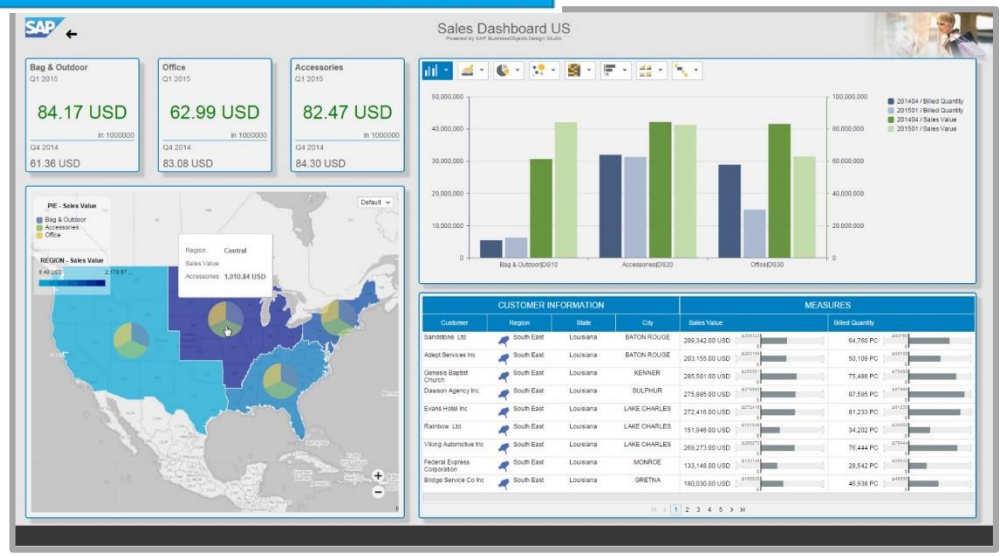


Share beautiful stories

- Build engaging stories that highlight KPIs
- Share insights on mobile, web browser and desktop

Design professional applications

- Build dashboard or self service applications for specific needs
- Extend SAP BusinessObjects Lumira dashboard with studio application design capabilities
- Develop planning applications on SAP BW-IP & SAP Business Planning and Consolidation 10.1



Trusted data discovery

- Leverage trusted SAP BI platform and data security
- Single portal for both enterprise BI and Agile Visualization
- Scale to tens of thousands of users

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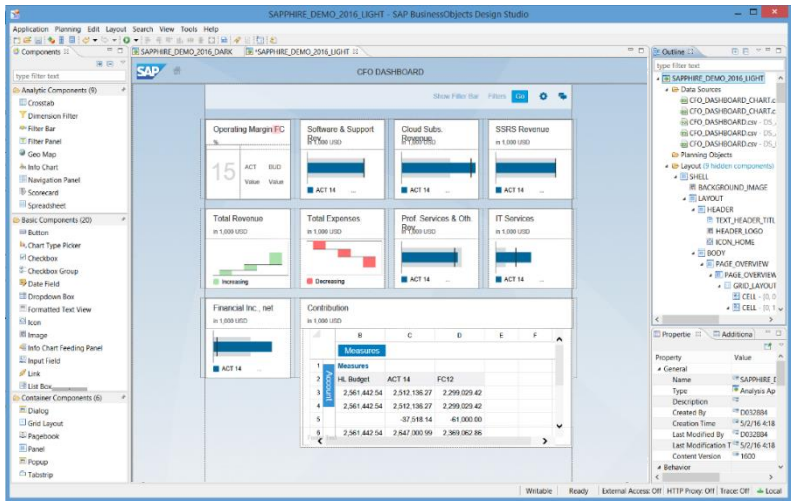
SAP BusinessObjects Lumira

SAP Lumira & SAP BusinessObjects Design Studio merge into ONE product with TWO clients

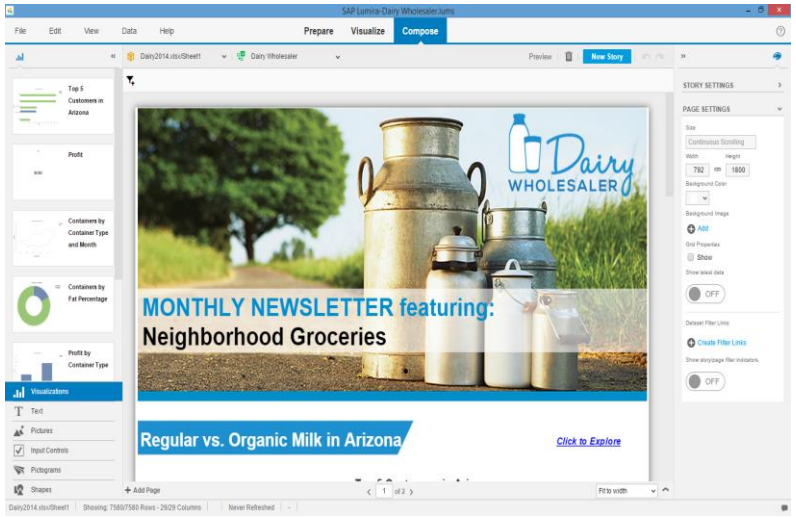
Studio



Personalize Studio applications

Extend SAP Lumira stories

Desktop



Common Technology

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SAP BusinessObjects Lumira

Direction and Approach

SAP BusinessObjects Lumira 2.x plans to combine Lumira & Design Studio into one product:

Deliver both clients on common technology stack

- Combine strength of both the clients
- Enable seamless inter-operability between the clients
- Deliver a revamped user experience
- One product for data discovery and application design

Respect existing customer investment

- Provide conversion from SAP Lumira 1.x and SAP BusinessObjects Design Studio 1.x documents and applications respectively
- Provide compatibility with 1.x SDK extensions of both SAP BusinessObjects Lumira and SAP BusinessObjects Design Studio respectively
- SAP Lumira 1.31 and SAP BusinessObjects Design Studio 1.6 remain in regular maintenance until end of 2017
- Existing licenses can be used/converted

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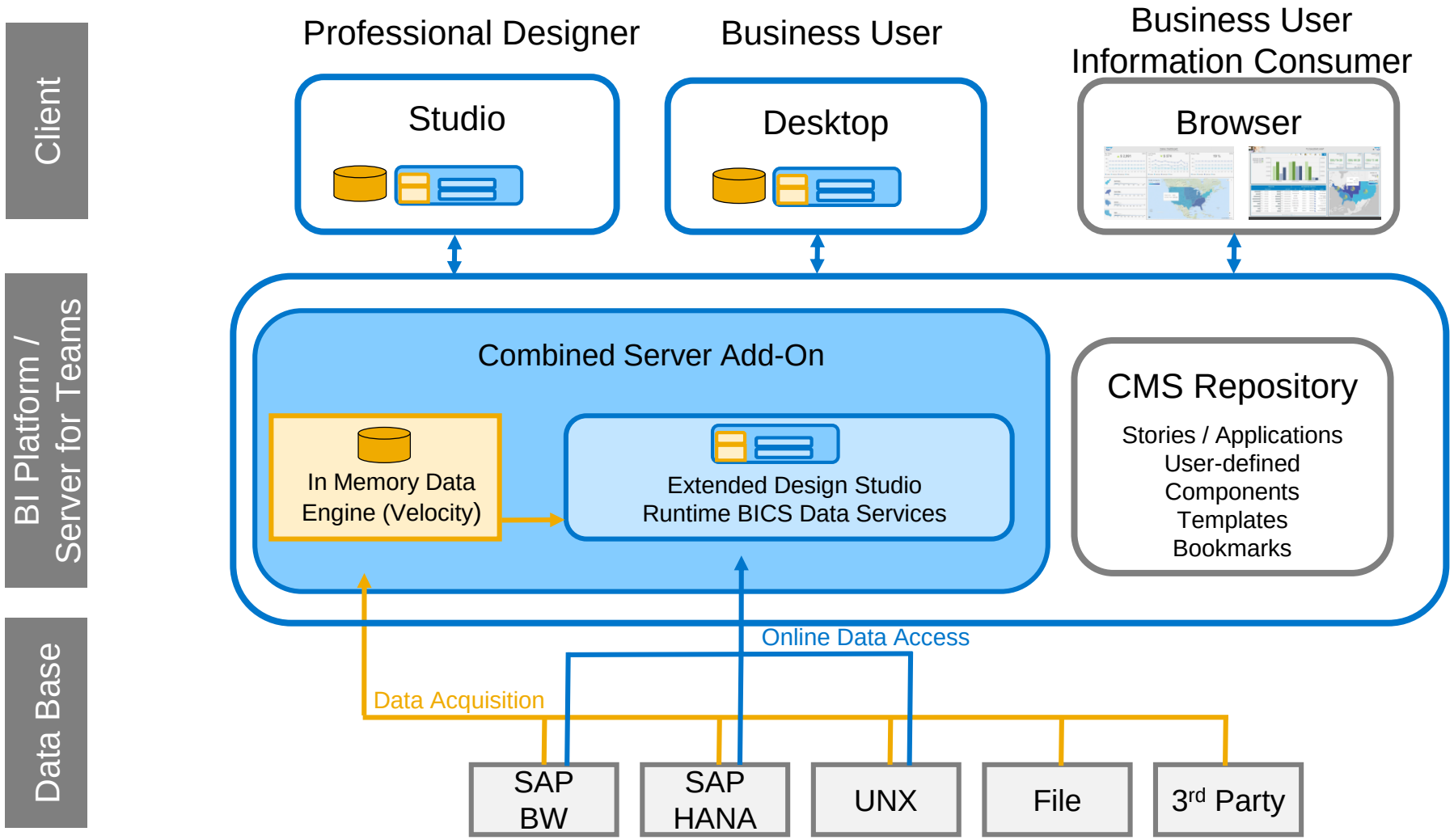
SAP BusinessObjects Lumira

High-Level Architecture (Layers)



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SAP BusinessObjects Lumira

Benefit

Modern user experience for data discovery

- One document model, contextual actions, SAP Fiori-style look and feel

Combined strengths of SAP Lumira and SAP BusinessObjects Design Studio

- SAP BW online, SAP HANA online, acquired data, extend, personalize

Reduced TCO with one server add-on

- Deployment, upgrade, monitor, manage

Integrates seamlessly with SAP technology

- SAP data source, BI platform and SAP Fiori launchpad

Invest your time and effort on only one product

- Reuse, content, extensions

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SAP BusinessObjects Lumira

Planned convergence of the SAP BI client portfolio

Discovery & Analysis

Lumira
Explorer
Analysis for OLAP

Dashboards & Applications

Design Studio
Dashboards
BEx web

Office Integration

Analysis for Microsoft Office
EPM Add-in
Live Office
BEx analyzer

Reporting

Crystal Reports
Web Intelligence
Desktop Intelligence

SAP BusinessObjects Lumira*
Lumira desktop
Lumira studio

SAP BusinessObjects Analysis, edition for Microsoft Office

SAP Crystal Reports
SAP BusinessObjects Web Intelligence

Interoperability

Common platform services

* One Server Add-On for SAP BusinessObjects Lumira

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SAP BusinessObjects Lumira

Product road map overview - key themes and capabilities

Planned: BusinessObjects Lumira 2.x, ONE product TWO clients

Today

SAP Lumira 1.30 and 1.31

- Additional data source support: SAP S/4HANA
- Enhancements to SAP BW data access
- Extended support for analysis on SAP HANA
- User defined color palettes
- Offline consumption of stories on Mobile BI
- Extended support for scheduling
- Enhanced desktop and data source SSO support
- Enhanced OpenDocument support
- Extended support for platforms

SAP Design Studio 1.6 SP2

- Spreadsheet improvements
- Ad-hoc currency conversion
- Build virtual hierarchy of stacked dimensions
- New SAP Fiori components
- Info chart enhancements
- Designer: Simple calculations, UX enhancements (Resizable, moveable dialogs)
- Support of cascading filters for UNX and CSV data sources

Planned Innovations

Agility & insight for analysts

- Modernized user experience
- Improved Filter and Input Controls
- Simplified visualization experience
- Improved SAP HANA online analysis
- Support for SAP BW online analysis
- Export to PDF enhancements

Trust and scale

- Studio applications from acquired data in SAP BusinessObjects Lumira
- Extend SAP BusinessObjects Lumira stories with Studio functionalities
- Personalize Studio applications with SAP BusinessObjects Lumira
- Contextual export to SAP BusinessObjects Analysis, edition for Microsoft Office
- Schedule Studio applications based on acquired data
- Extended support for Enterprise deployment

Application design

- Additional SAP Fiori components
- Componentization and reusable custom components
- Robust bookmarks, LCM of bookmarks and folders

Future Direction

Agility & insight for analysts

- Data acquisition and manipulation on browser
- GUI for Freehand SQL connections
- Managed connection support for Freehand SQL
- Simplified and extended analysis features (Filter on measure, out of context calculations etc..)
- Enhanced story building experience with Templates
- Improved Mobile BI Offline experience
- Collaborate with commentary and annotation
- Variants support for personalization

Trust and scale

- Impact and Lineage analysis
- Publication & broadcasting
- Usage of SAP BusinessObjects Lumira dataset by any BI Client

Application design

- Improved components: scorecard, crosstab, spreadsheet and others
- Improved conditional formatting
- Continuous improvements

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Product Road Map

- Today
- Planned
- Future

SAP BusinessObjects Lumira

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SAP Lumira 1.30 / 1.31

Feature Overview

Today

Agility for analysts

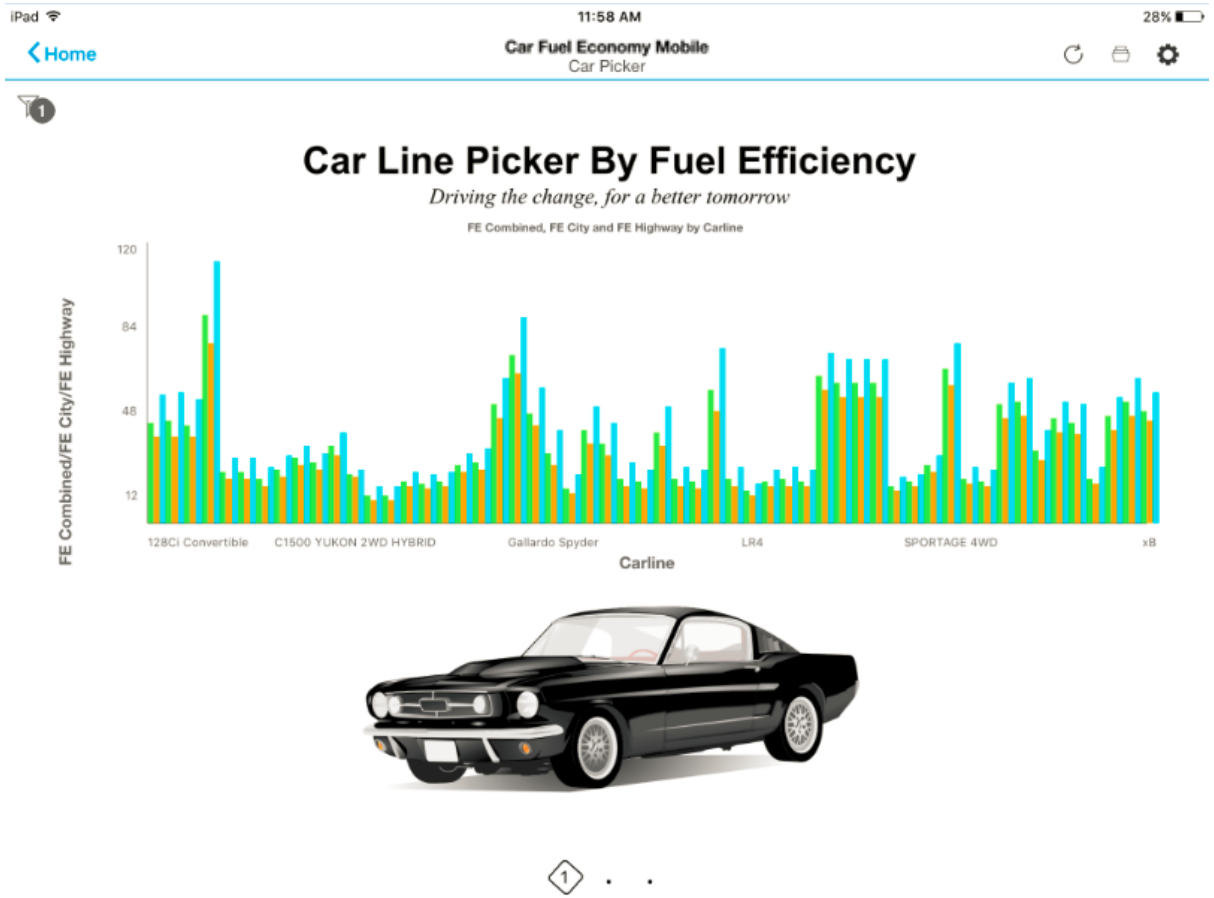
- Additional data source support: SAP S/4HANA
- SAP BW data acquisition: Acquisition Filters and Date Format
- Support for SAP HANA managed connections from BIP
- SAP HANA online end-to-end workflow on browser

Instant insights

- User defined color palettes
- Time series analysis for additional chart types
- Offline consumption of stories on Mobile BI

Trust and scale

- Extended support for Scheduling
- Extended SSO support with Universe Credential Mapping
- Enhanced OpenDocument support
- Extended support for platforms
- Authentication support for Hadoop



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SAP Lumira 1.30 / 1.31

Acquire & Prepare data

Today

SAP Lumira unleashes possibilities to explore data from more sources and perform incrementally more complex transformations on data in a trusted environment

SAP S/4HANA

- Acquire data from SAP S/4HANA via SAP BW Analytic Engine with transient SAP BEx Queries

SAP HANA

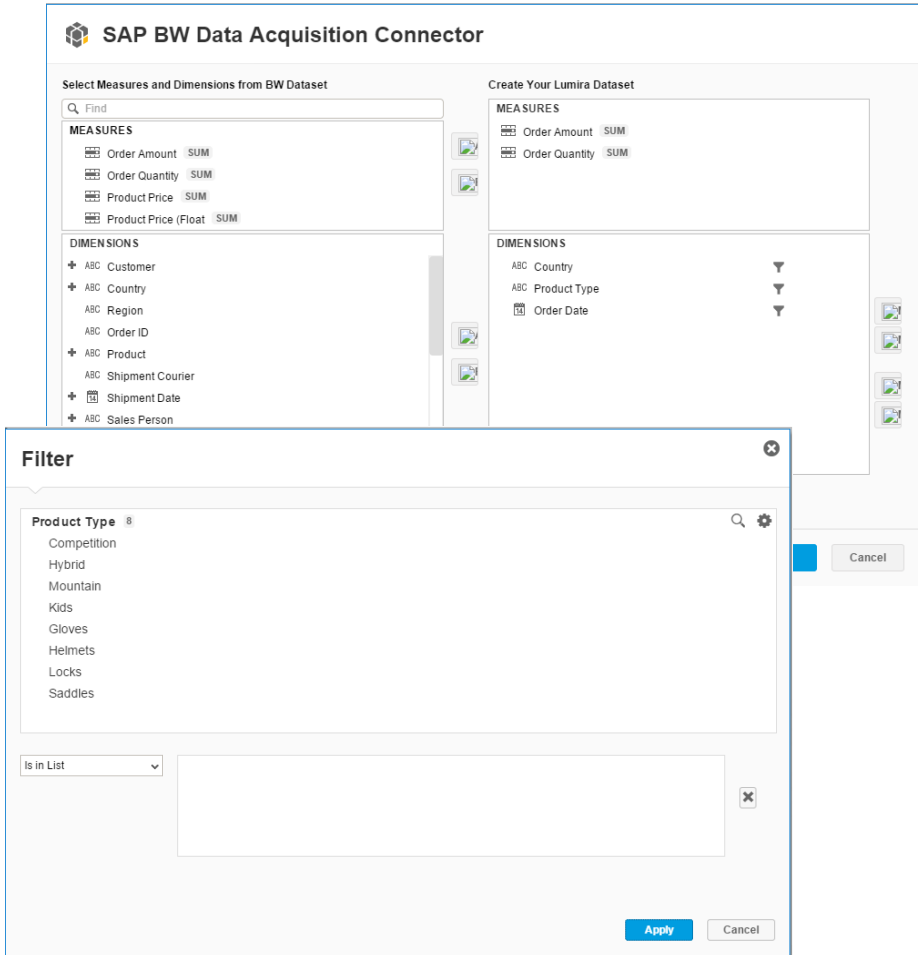
- Support for use of SAP HANA managed connections from SAP BI Platform on SAP Lumira desktop (for both Online and Offline connectivity)
- Enhancement in connection parameters for Multitenant Database Container (MDC)
- Create new SAP Lumira documents that access SAP HANA views using BI launchpad
- Support for SAP HANA SPS 11

SAP BW

- Filter dimension values during acquisition in metadata explorer
- Assign the Date format from SAP BW
- Support for SAP BW 7.5

Big Data

- Authentication support via Kerberos for Hadoop



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SAP Lumira 1.30 / 1.31

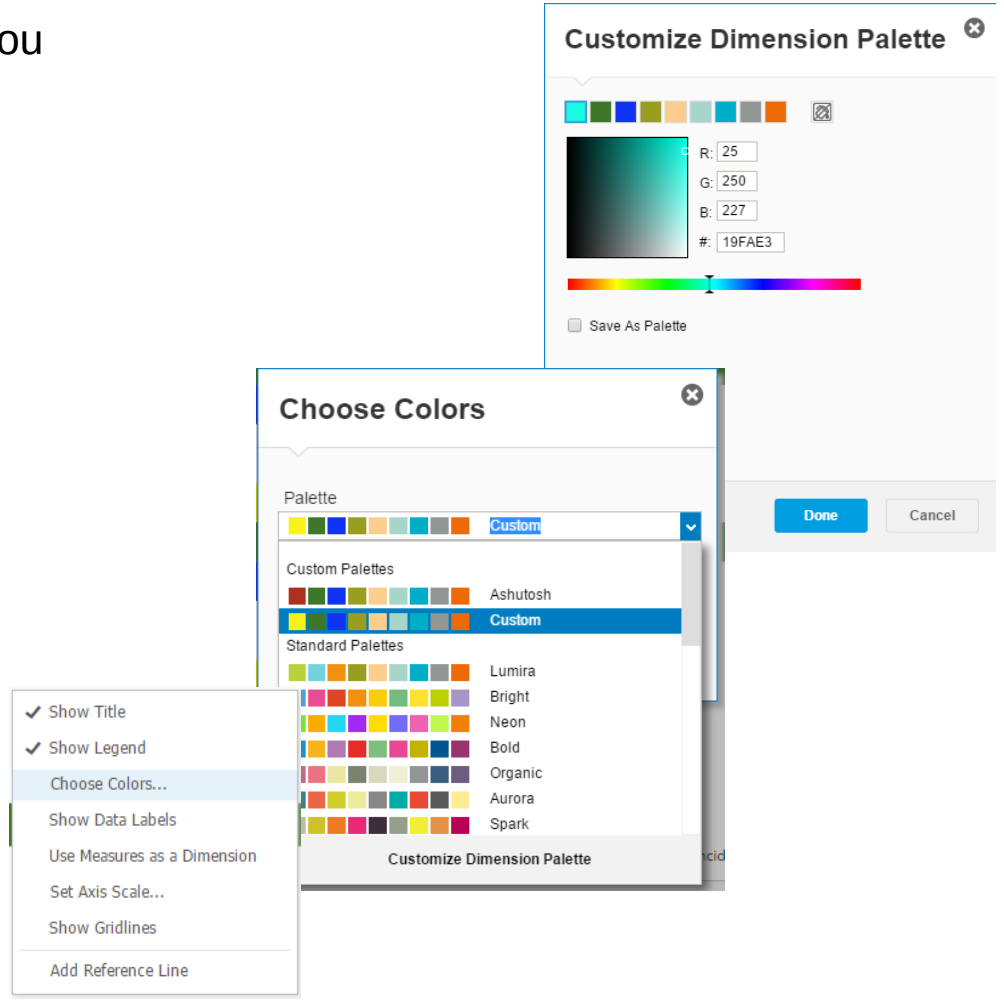
Visualize, explore and discover new insights

Today

Enjoy the power and flexibility of SAP Lumira visualizations, helping you discover hidden insights and associative information

Visualizations – Chart formatting and customizations

- Define Custom Color palettes
  - Categorical Palettes
  - Quantitative Palettes
- Support for Time series analysis on Bubble and Scatter charts



*Support for creation and assignment of color palettes on Desktop only

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SAP Lumira 1.30 / 1.31

Trusted platforms

Today

Start your SAP Lumira deployment right away and scale up as your business grows

SAP Lumira, server for the SAP BusinessObjects BI platform & SAP Lumira, server version for teams

- Enhancements to OpenDocument
- Improved responsiveness on rendering of SAP Lumira stories on browser

Document Management

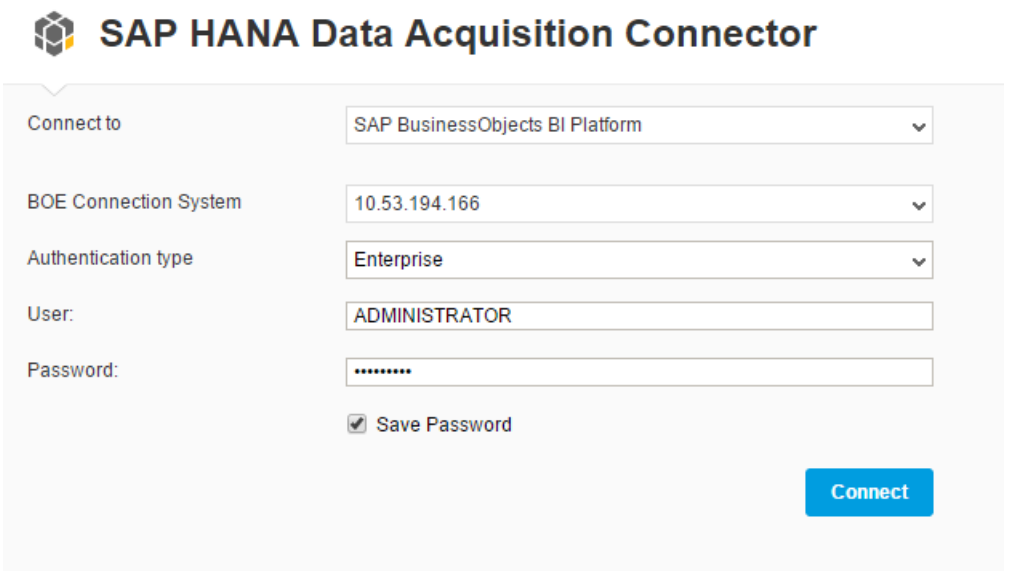
- Support for SAP HANA managed connections from BI platform (for both Online and Offline connectivity)
- Support for scheduling of SAP HANA Offline documents (Managed connections only)

Authentication Enhancements

- Support for Universe Credential Mapping
- User/Password Authentication to Hadoop

Enterprise Readiness

- Support for SAP Lumira, server for the SAP BusinessObjects BI platform installation on Suse, RedHat
- Support for SAP Lumira web application deployment on SAP NetWeaver, WebSphere and Weblogic



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SAP Lumira 1.30 / 1.31

Extend the reach of Lumira

Today

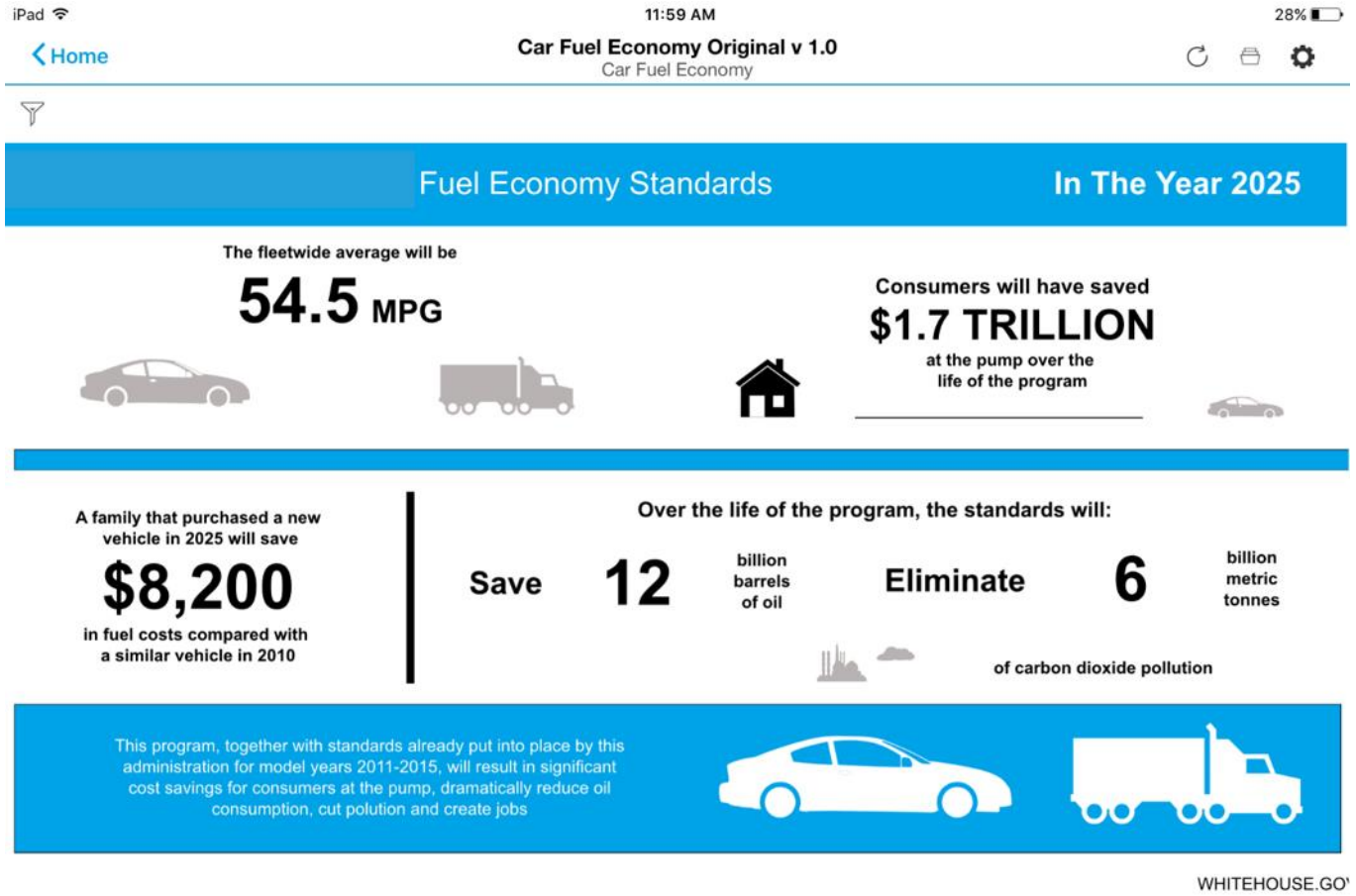
Extend, customize and embed SAP Lumira

Embed SAP Lumira

- Embed stories with dynamic prompt values – SAP HANA, SAP BW and Universes
- Control visibility and action on stories – Story, Page, Bookmark
- Open in same window

Improved experience for SAP Lumira on Mobile BI

- Download SAP Lumira stories on Mobile BI application for offline viewing
- Native rendering with iOS technology
- Device gesture support for interaction
- Support for offline filter and drill



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SAP BusinessObjects Design Studio Release 1.6 SP2

Feature Overview

Today

End user

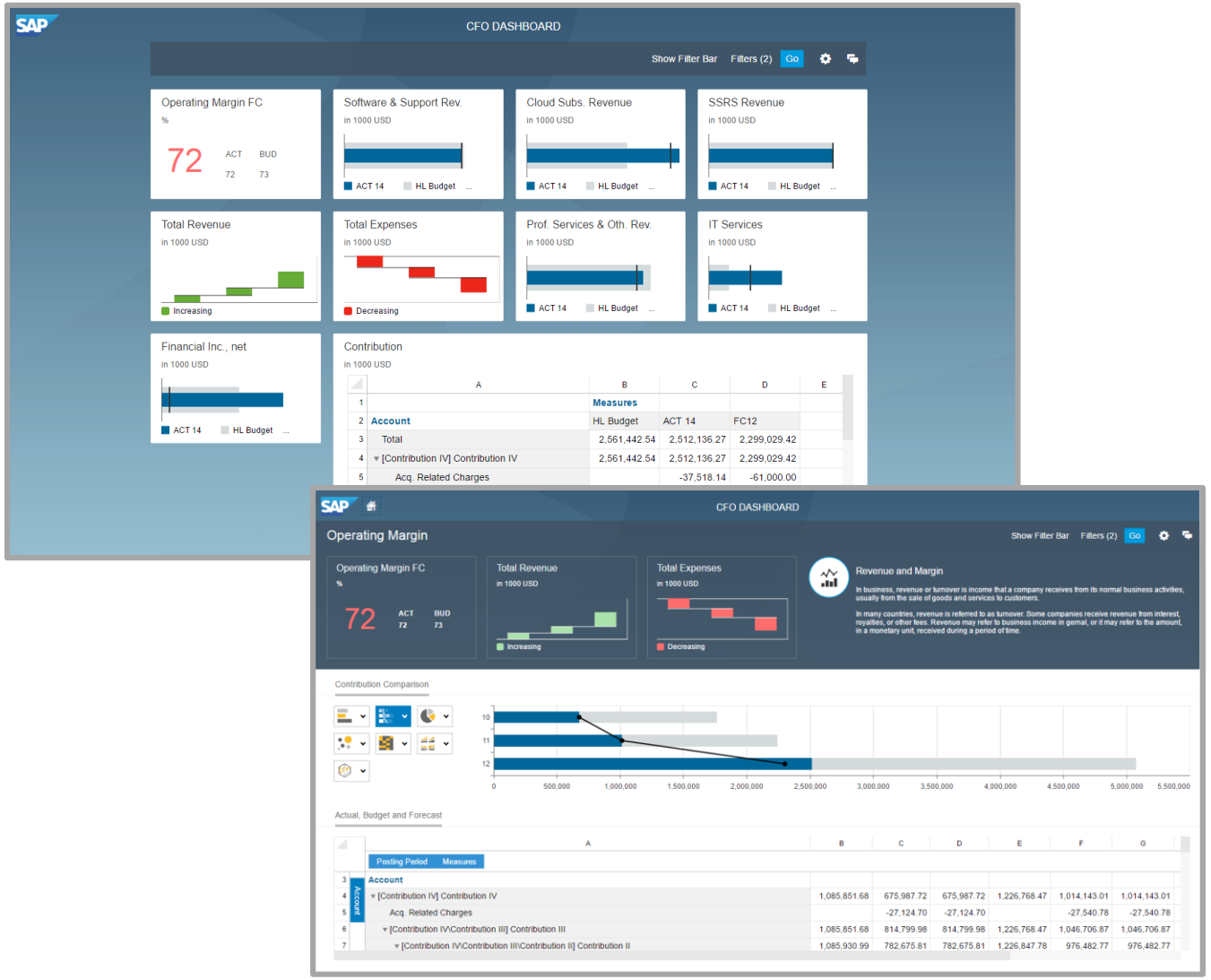
- Resizable, movable dialogs
- Display scaling factors in Info Chart
- Waterfall Info Charts

Analyst

- Ad-hoc currency conversion
- Build virtual hierarchy of stacked dimensions
- Cascading Filter for Universe and CSV as Data Source

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



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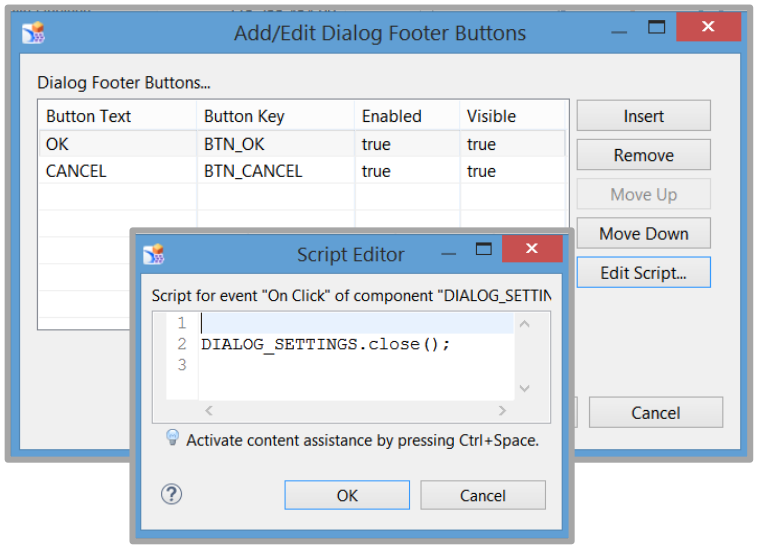
SAP BusinessObjects Design Studio 1.6 SP2

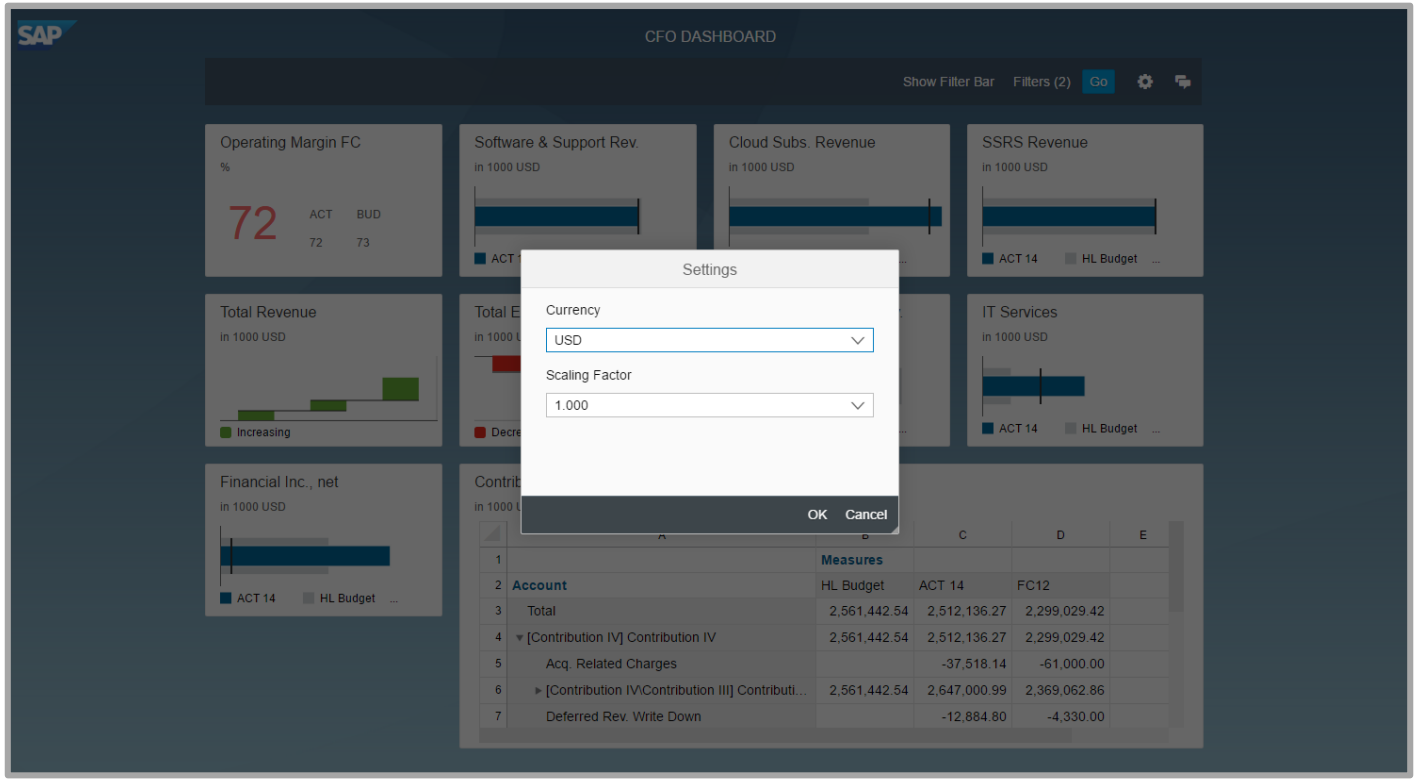
Dialog

Today

Resizable, movable Dialog

- New component available in SAP Fiori library
- Container component
- Free-defined buttons for dialog footer
- Movable, resizable and full screen maintained in property sheet





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SAP BusinessObjects Design Studio 1.6 SP2

Info Chart Enhancements

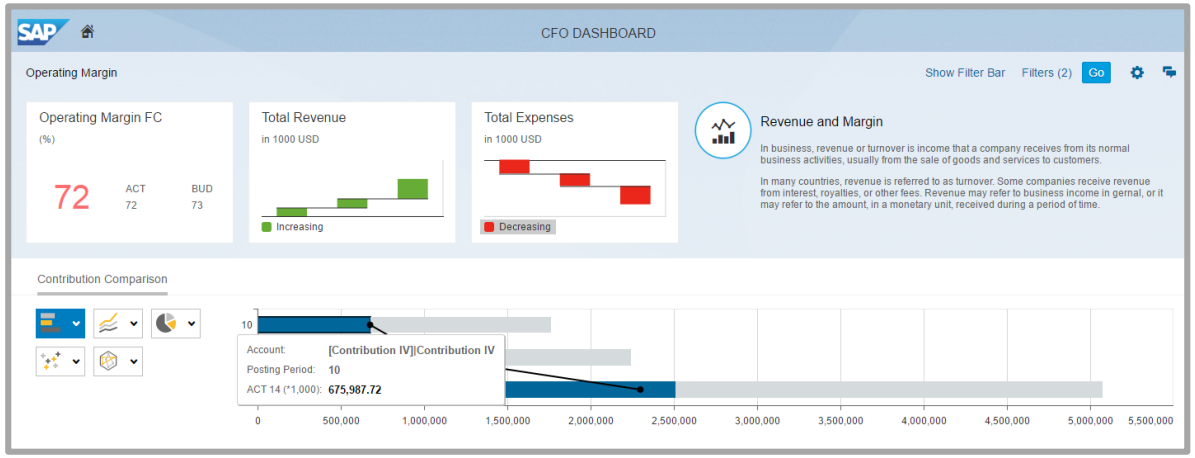
Today

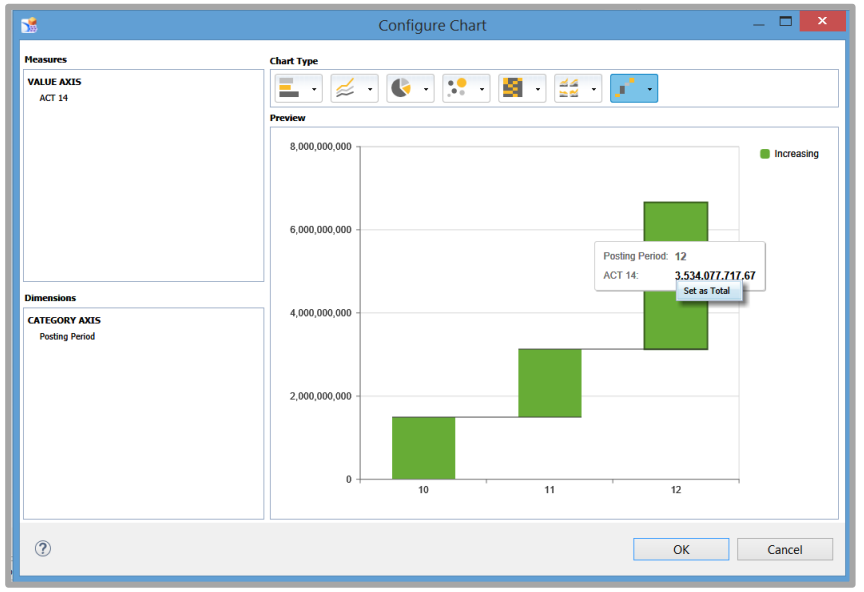
Displaying Scaling Factors in Info Chart

- Showing data label including scaling factor with Tooltips

Waterfall Info Chart

- New chart type
- Semantic coloring (e.g. Negative, Positive and Total)
- Configurable connection line
- “Set as Total” possible in design time





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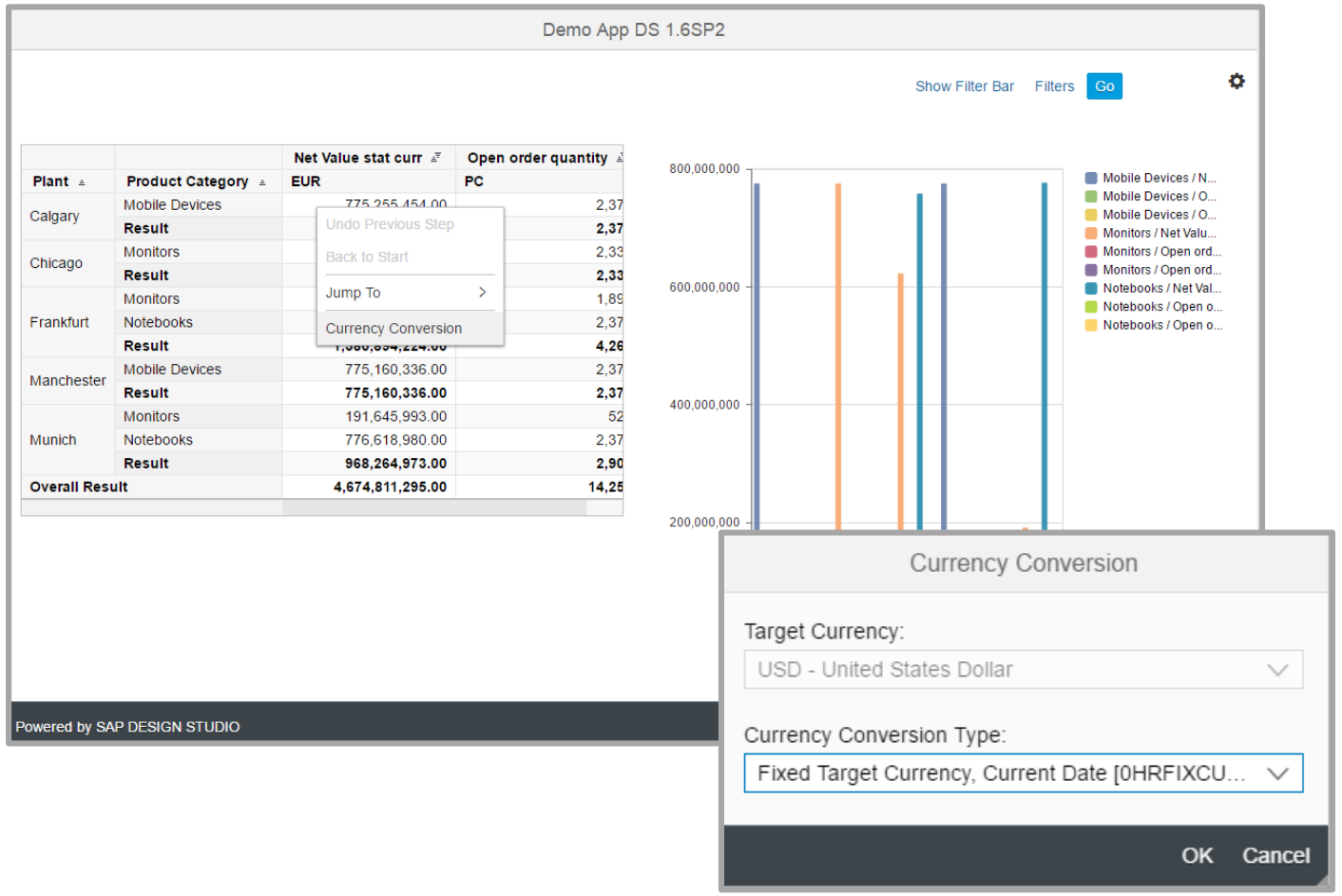
SAP BusinessObjects Design Studio 1.6 SP2

Ad-hoc Currency Conversion

Ad-hoc Currency Conversion

- New API for opening currency conversion dialog
- Conversion based on target currency and conversion type defined in SAP BW backend
- Can be added as custom entry in context menu



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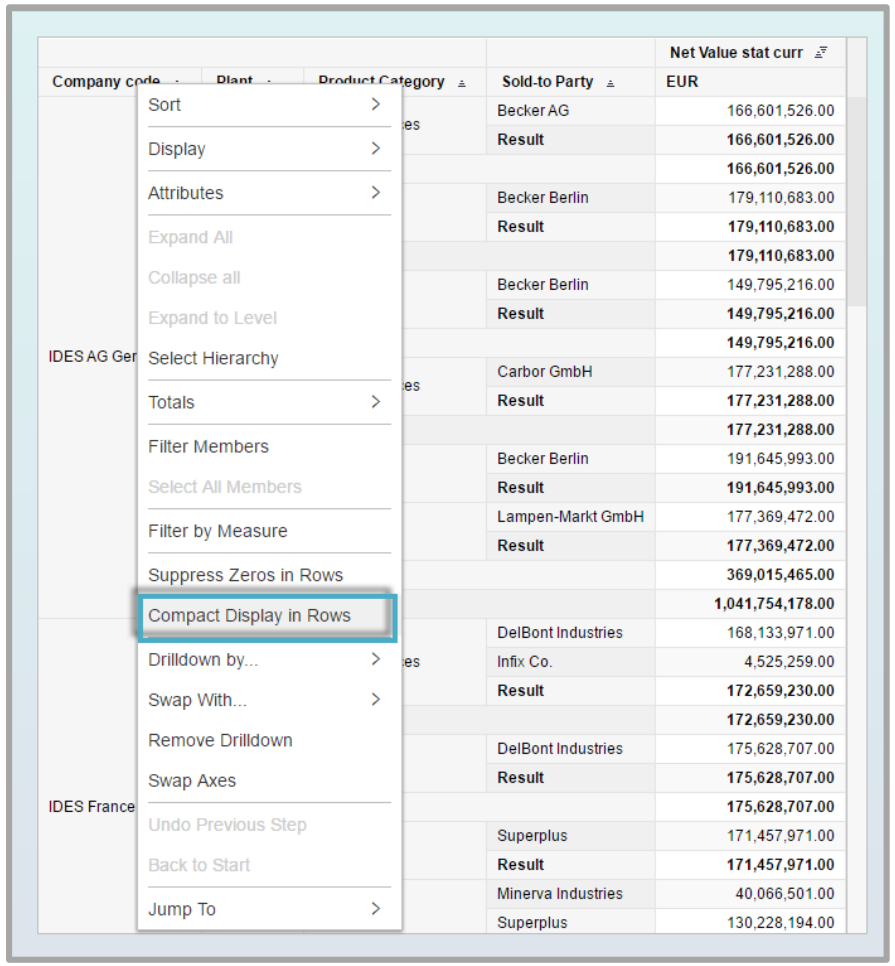
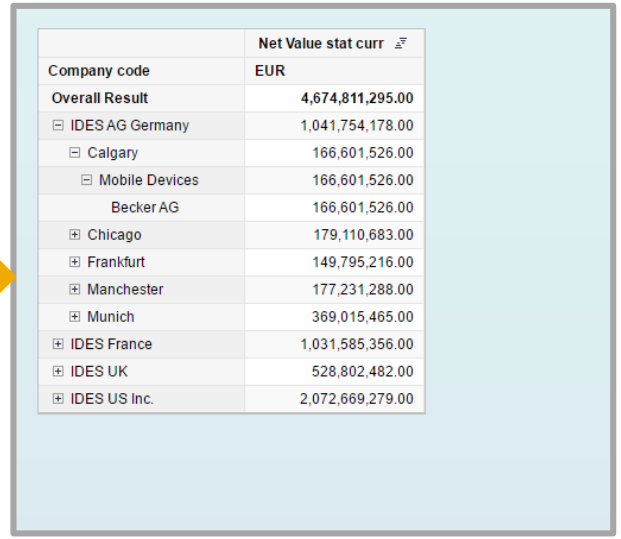
SAP BusinessObjects Design Studio 1.6 SP2

Compact Display Hierarchy

Compact Display Hierarchy (Virtual hierarchy of stacked dimensions)

- Standard entry within context menu
- Available in common and SAP Fiori library
- Displays a virtual hierarchy of dimensions





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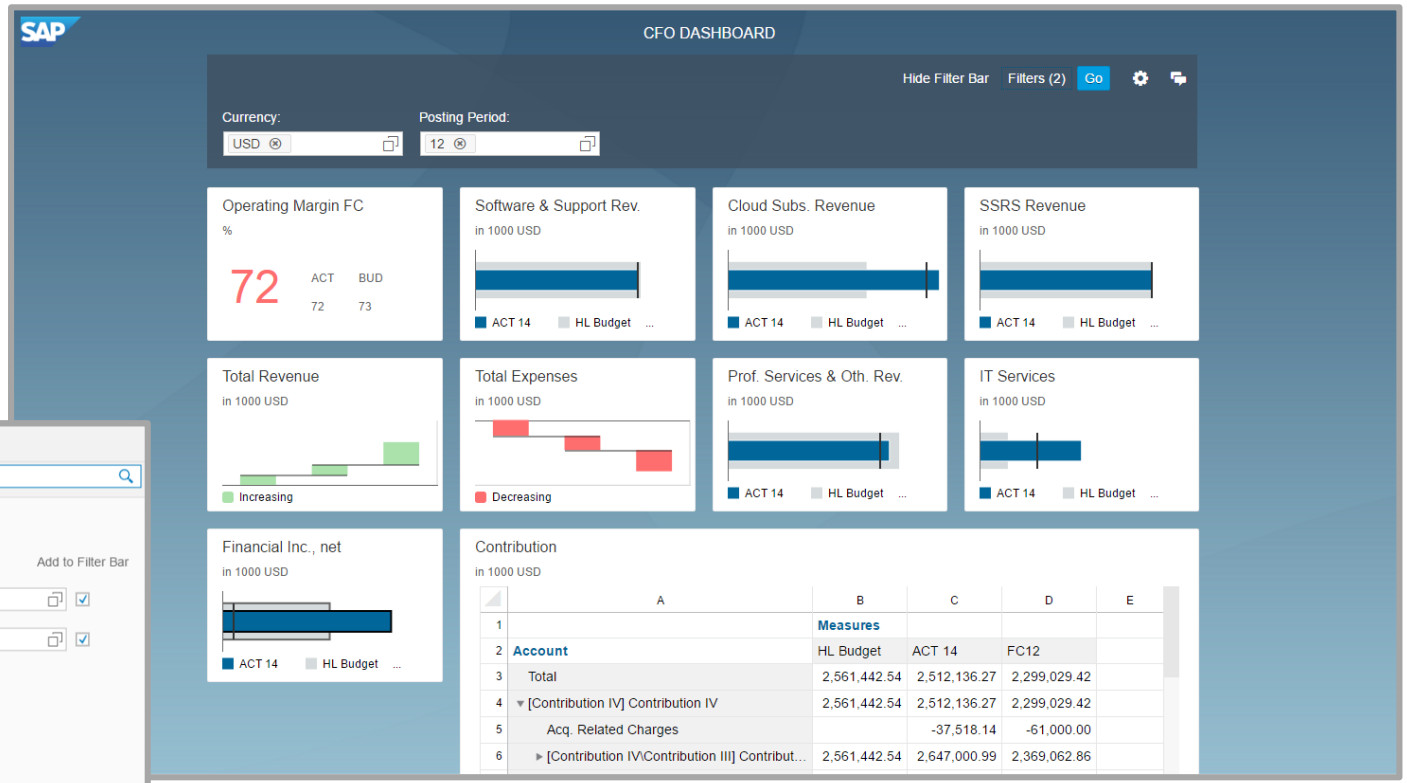
SAP BusinessObjects Design Studio 1.6 SP2

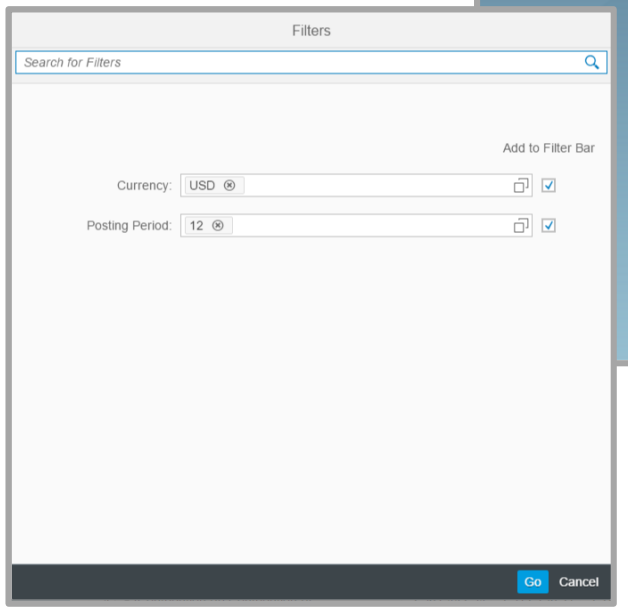
Filter Bar

Today

Filter Bar

- New component in SAP Fiori library
- End user can select dimensions filters to show and set filter value
- Toggle button to show or hide filter bar
- Defining “On Toggle” event via API





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SAP BusinessObjects Design Studio 1.6 SP2

Other New Components in SAP Fiori library

Link

- Component for http link
- Target web address is automatically opened in another window

Text Area

- Enables user to enter multi-line texts

Progress Indicator

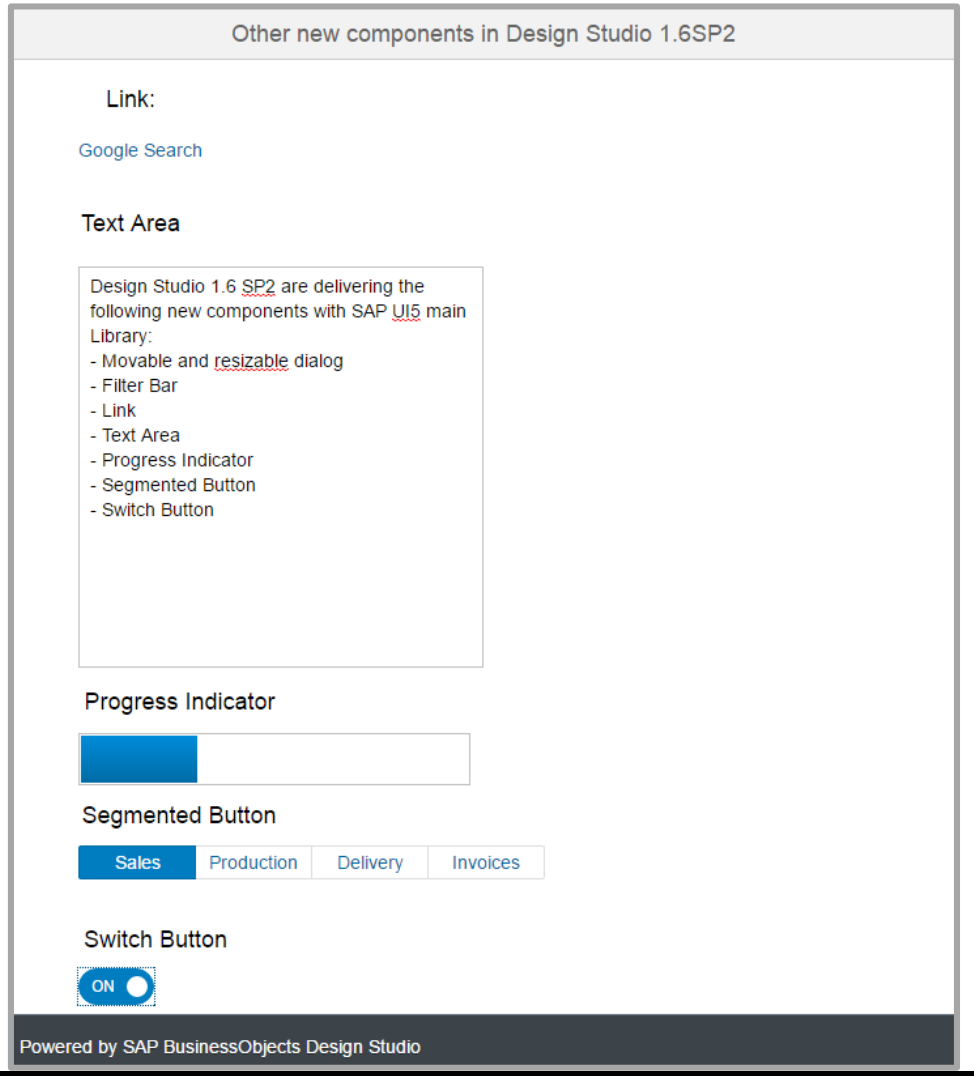
- Represents percentage value

Segmented Button

- Shows a button group in segmented way

Switch

- Has on/off, blank and accept/reject mode



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SAP BusinessObjects Design Studio 1.6 SP2

Design Experience Improvements

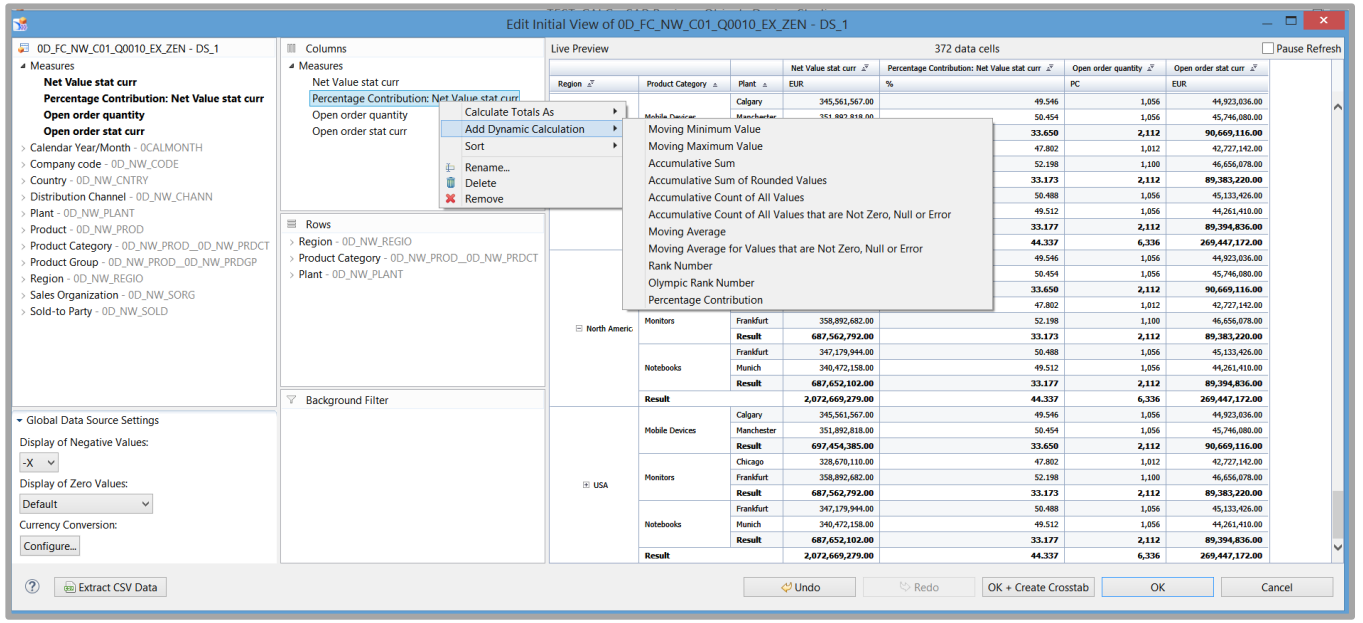
Today

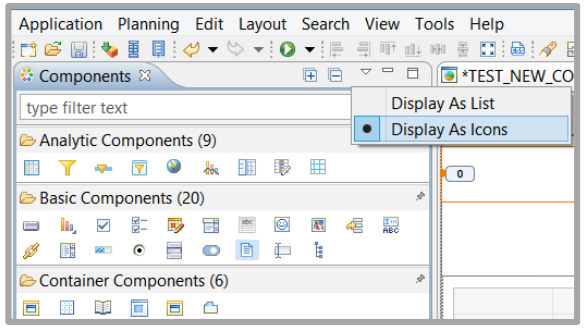
Compact Palette View

- New View for designer
- All components are displayed as icons

Dynamic Calculation in Initial View Editor

- Available now in initial view editor if Data Source is SAP BW
- Add dynamic calculations of key figures via context menu





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SAP BusinessObjects Lumira

Product road map overview - key themes and capabilities

Planned: BusinessObjects Lumira 2.x, ONE product TWO clients

Today

SAP Lumira 1.30 and 1.31

- Additional data source support: SAP S/4HANA
- Enhancements to SAP BW data access
- Extended support for analysis on SAP HANA
- User defined color palettes
- Offline consumption of stories on Mobile BI
- Extended support for scheduling
- Enhanced desktop and data source SSO support
- Enhanced OpenDocument support
- Extended support for platforms

SAP Design Studio 1.6 SP2

- Spreadsheet improvements
- Ad-hoc currency conversion
- Build virtual hierarchy of stacked dimensions
- New SAP Fiori components
- Info chart enhancements
- Designer: Simple calculations, UX enhancements (Resizable, moveable dialogs)
- Support of cascading filters for UNX and CSV data sources

Planned Innovations

Agility & insight for analysts

- Modernized user experience
- Improved Filter and Input Controls
- Simplified visualization experience
- Improved SAP HANA online analysis
- Support for SAP BW online analysis
- Export to PDF enhancements

Trust and scale

- Studio applications from acquired data in SAP BusinessObjects Lumira
- Extend SAP BusinessObjects Lumira stories with Studio functionalities
- Personalize Studio applications with SAP BusinessObjects Lumira
- Contextual export to SAP BusinessObjects Analysis, edition for Microsoft Office
- Schedule Studio applications based on acquired data
- Extended support for Enterprise deployment

Application design

- Additional SAP Fiori components
- Componentization and reusable custom components
- Robust bookmarks, LCM of bookmarks and folders

Future Direction

Agility & insight for analysts

- Data acquisition and manipulation on browser
- GUI for Freehand SQL connections
- Managed connection support for Freehand SQL
- Simplified and extended analysis features (Filter on measure, out of context calculations etc..)
- Enhanced story building experience with Templates
- Improved Mobile BI Offline experience
- Collaborate with commentary and annotation
- Variants support for personalization

Trust and scale

- Impact and Lineage analysis
- Publication & broadcasting
- Usage of SAP BusinessObjects Lumira dataset by any BI Client

Application design

- Improved components: scorecard, crosstab, spreadsheet and others
- Improved conditional formatting
- Continuous improvements

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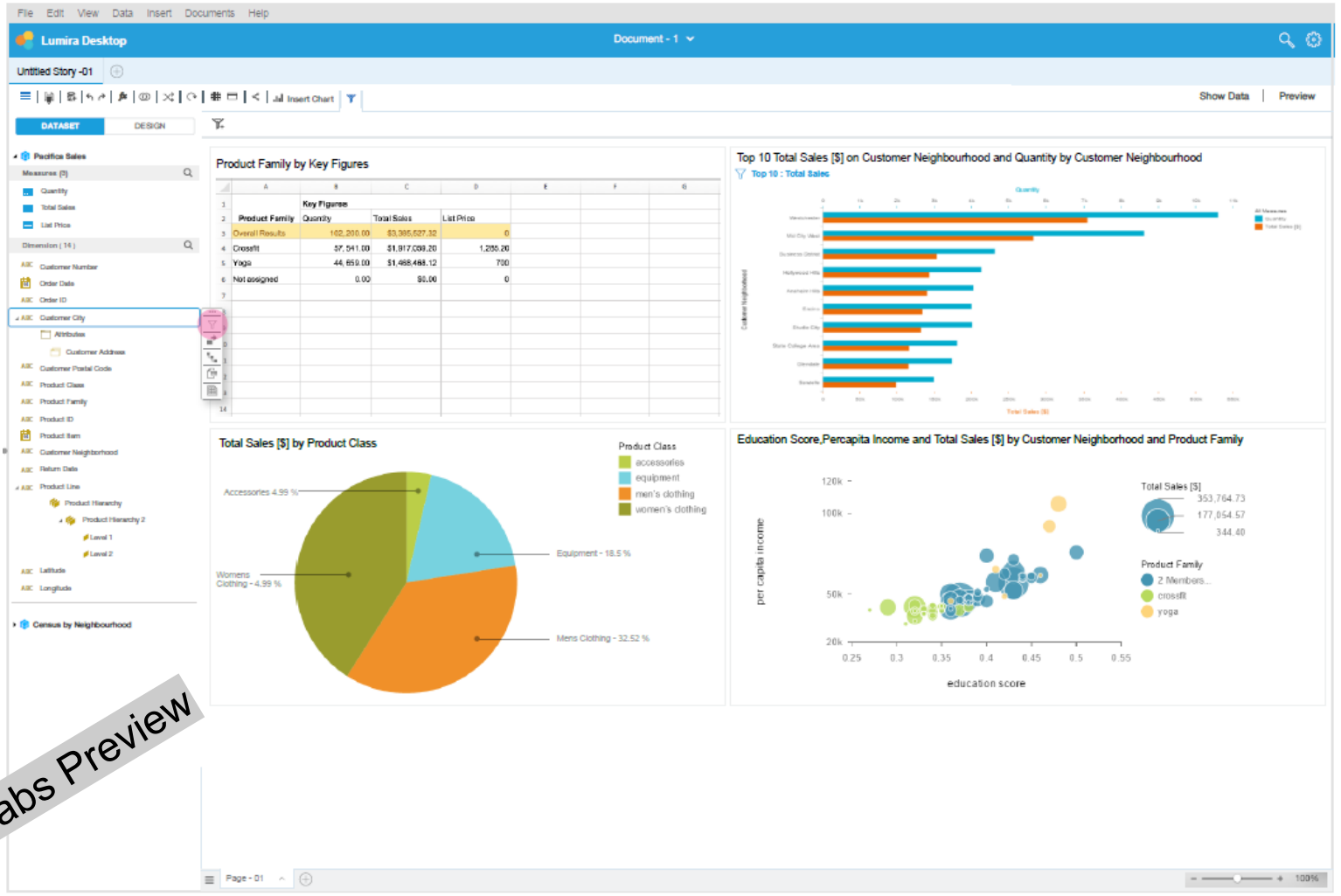
SAP BusinessObjects Lumira

Agility and Insight for analysts

Planned Innovations

Modernized user experience

- Improved first hour experience
- Single canvas, consolidated visualize and compose rooms
- Improved input control and filtering experience
- Simplified visualization and analysis experience
- SAP Fiori-style look and feel



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SAP BusinessObjects Lumira

Agility and Insight for analysts

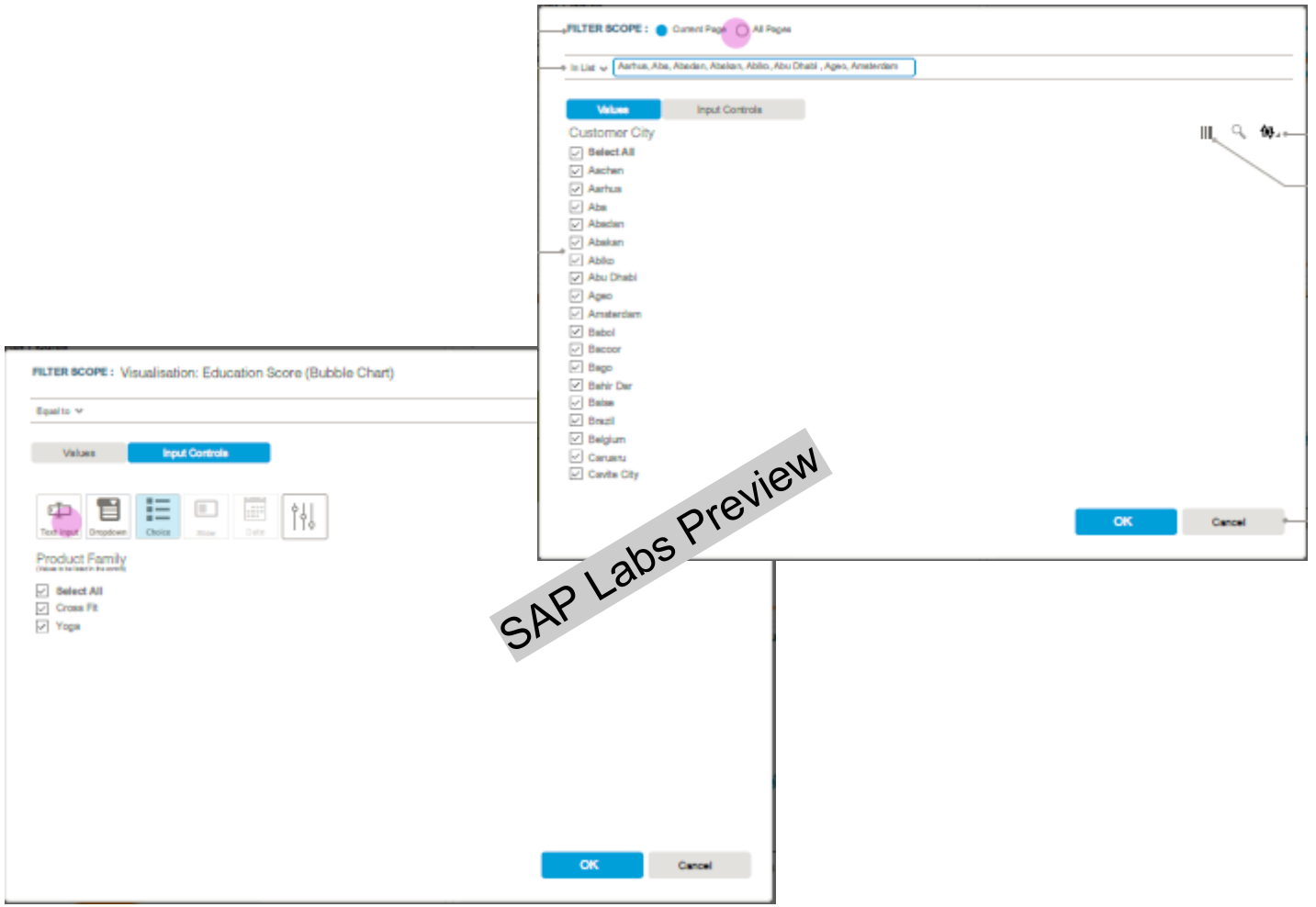
Planned Innovations

Improved input control and filtering experience

- Define filter scope from the context (dataset, story, page, or visualization)
- Support for filter on multiple visualizations
- Input Control an extension of filter to pass the values
- Support for additional control types
- Support for cascading filters
- Ability to customize controls

Enhancements to PDF export

- Export to PDF enhancements, Select pages to print, improve PDF quality



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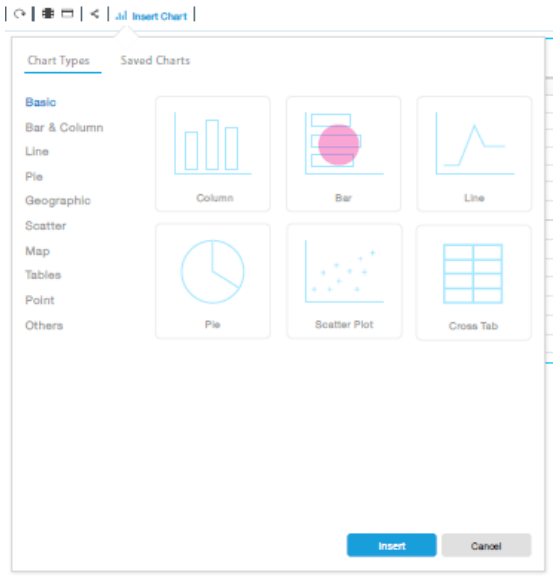
SAP BusinessObjects Lumira

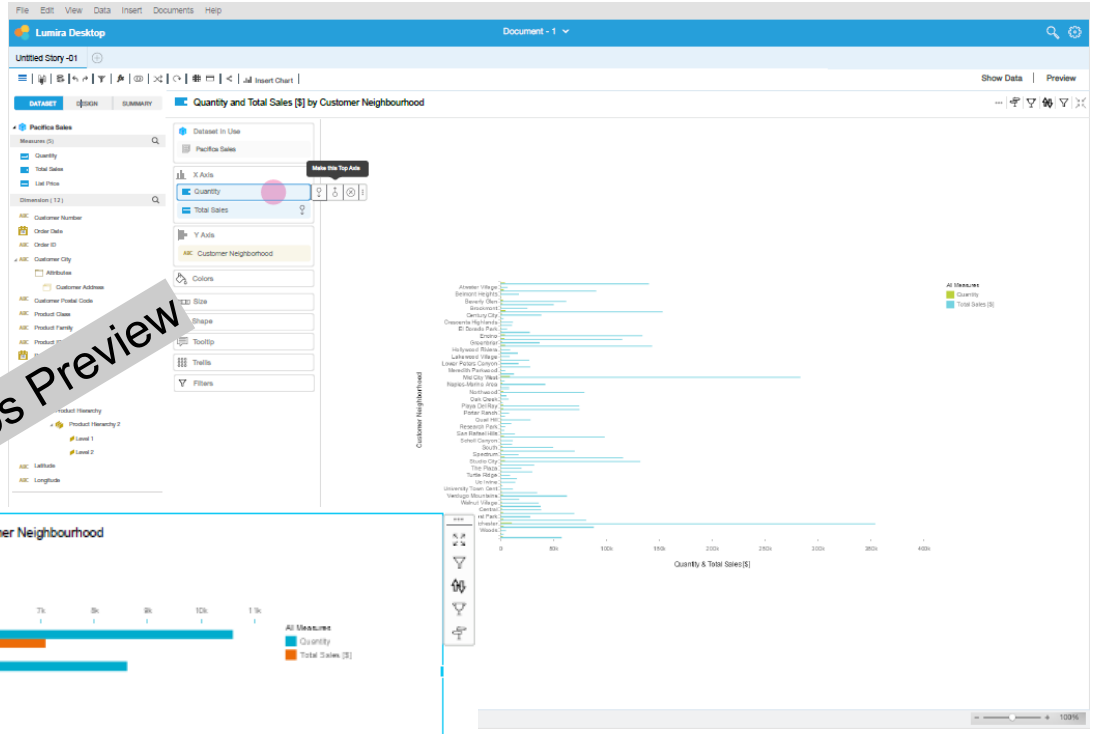
Agility and Insight for analysts

Planned Innovations

Simplified visualization and analysis experience

- Simplified visualization experience with reduced chart family
- Basic (chart picker) and saved (visualization gallery) charts in one place
- Simplified chart formatting and customization with contextual actions
- Consistent formatting and customization capabilities across chart types





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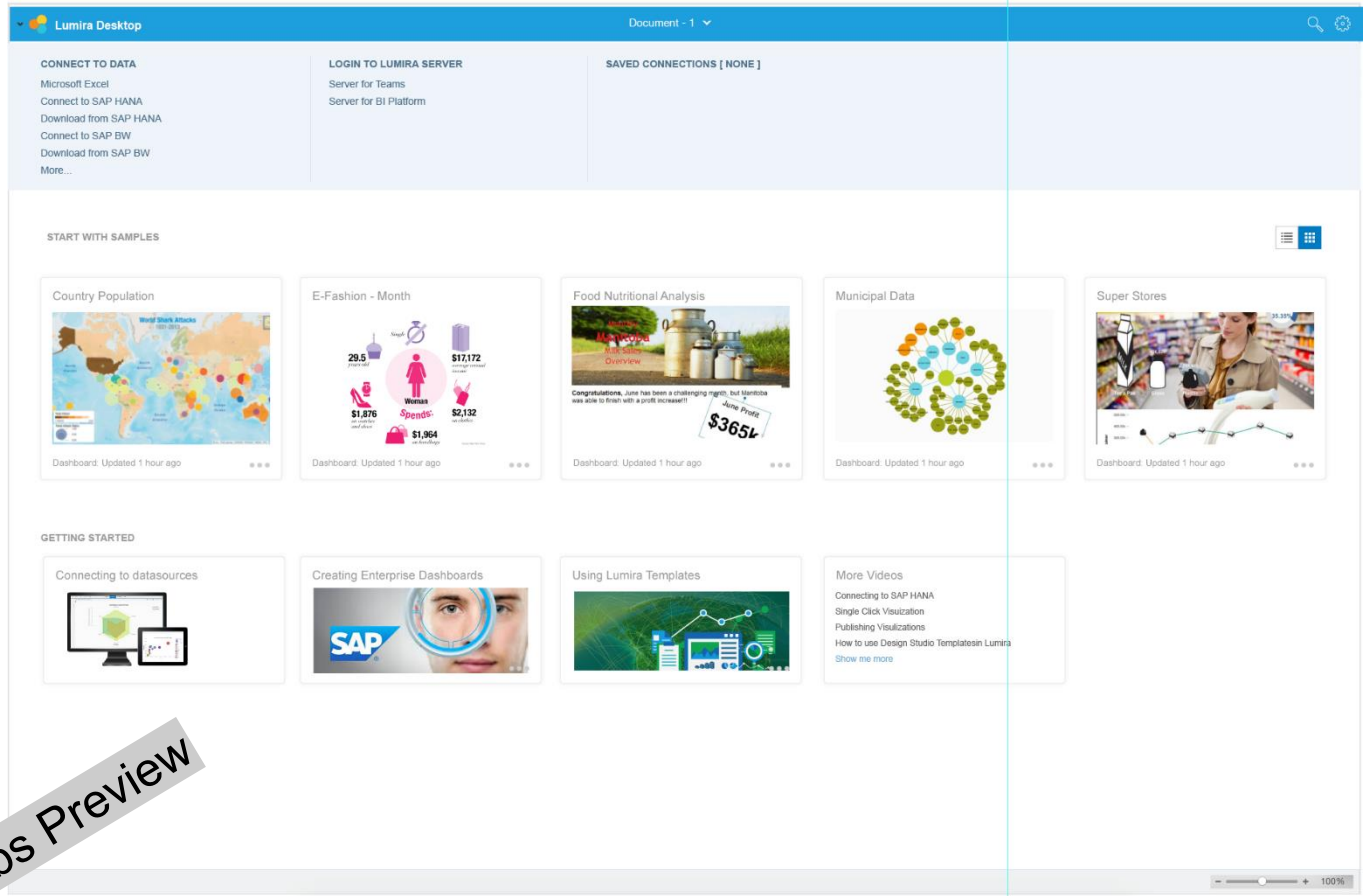
Planned Innovations

SAP BusinessObjects Lumira

Agility and Insight for analysts

Extended and Improved Online analysis

- Support for SAP BW online access and analysis in Lumira
- Enhanced support for SAP HANA online analysis with better connectivity to SAP HANA



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Planned Innovations

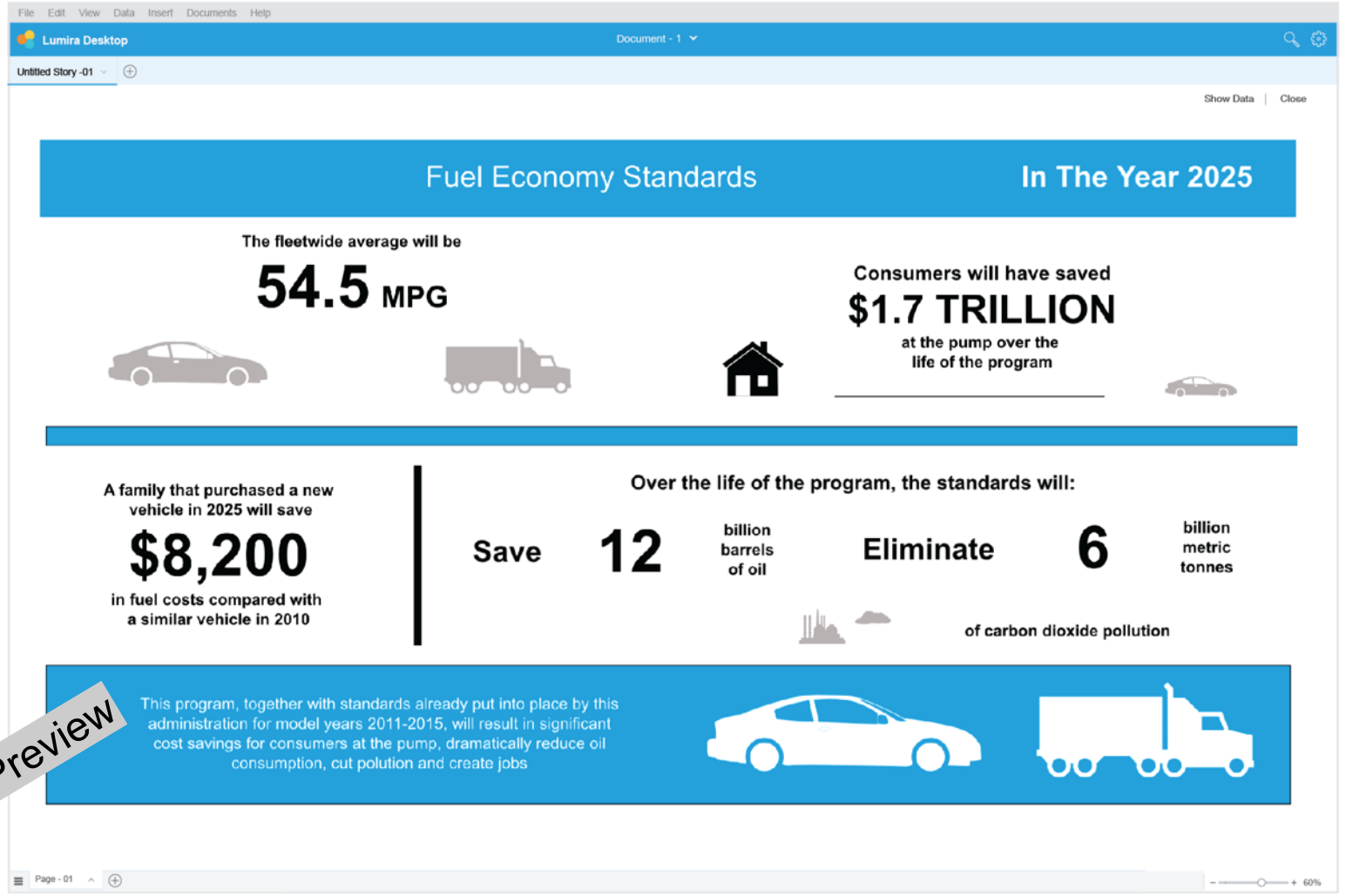
SAP BusinessObjects Lumira

Trust and Scale

Enables Business users and IT to work together

Support for acquired data in SAP BusinessObjects Lumira as a source in Studio application

- Open and extend SAP BusinessObjects Lumira stories in Studio with additional functionalities ex. Scripting
- Open and analyze Studio applications in SAP BusinessObjects Lumira
- Contextual export to SAP BusinessObjects Analysis, edition for Microsoft Office: export data with all user-defined selections and drill-paths and continue analysis in SAP BusinessObjects Analysis, edition for Microsoft Office



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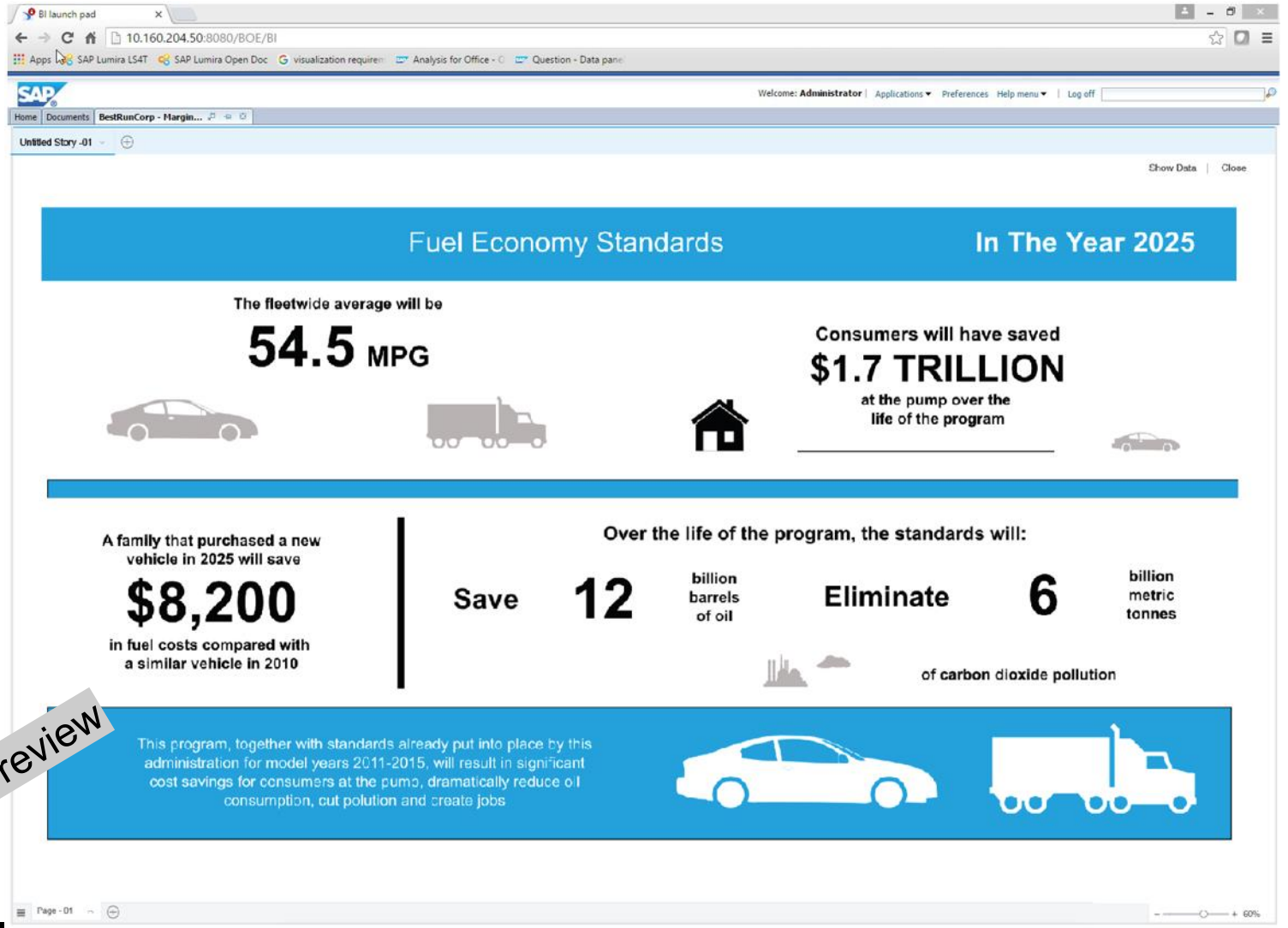
Planned Innovations

SAP BusinessObjects Lumira

Agility and Insight for analysts

Extended support for Enterprise deployment

- Schedule Studio application created on acquired dataset from SAP BusinessObjects Lumira
- Scheduled instances in Studio application destination format
- Promotion management and Folders support for Bookmarks
- Support for additional Operating System, Application Servers and Languages



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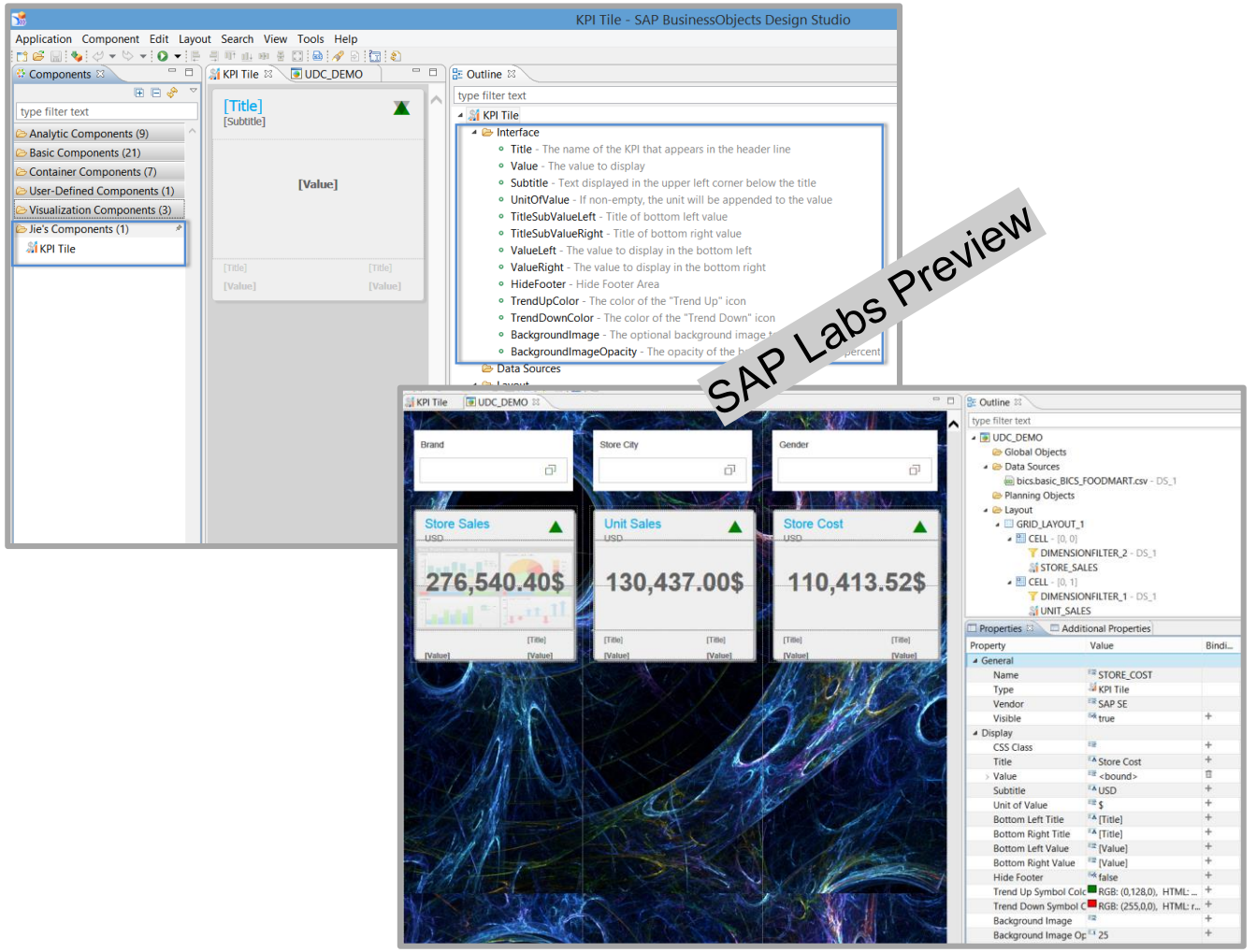
SAP BusinessObjects Lumira

Application design

Planned Innovations

User-defined components

- Designers can create own components without low-level JavaScript programming, similar to app development (formatting by drag & drop of standard components, logic definition by data binding and scripting)
- Usable like any other standard component: properties, methods, events (interface)
- Re-usable across applications, stored independent from the application on the BI platform
- Based on a clean interface concept
- Can be used to define global components (header, footer, toolbar, global script pool)
- Can also be used to decompose complex applications into smaller, better manageable parts



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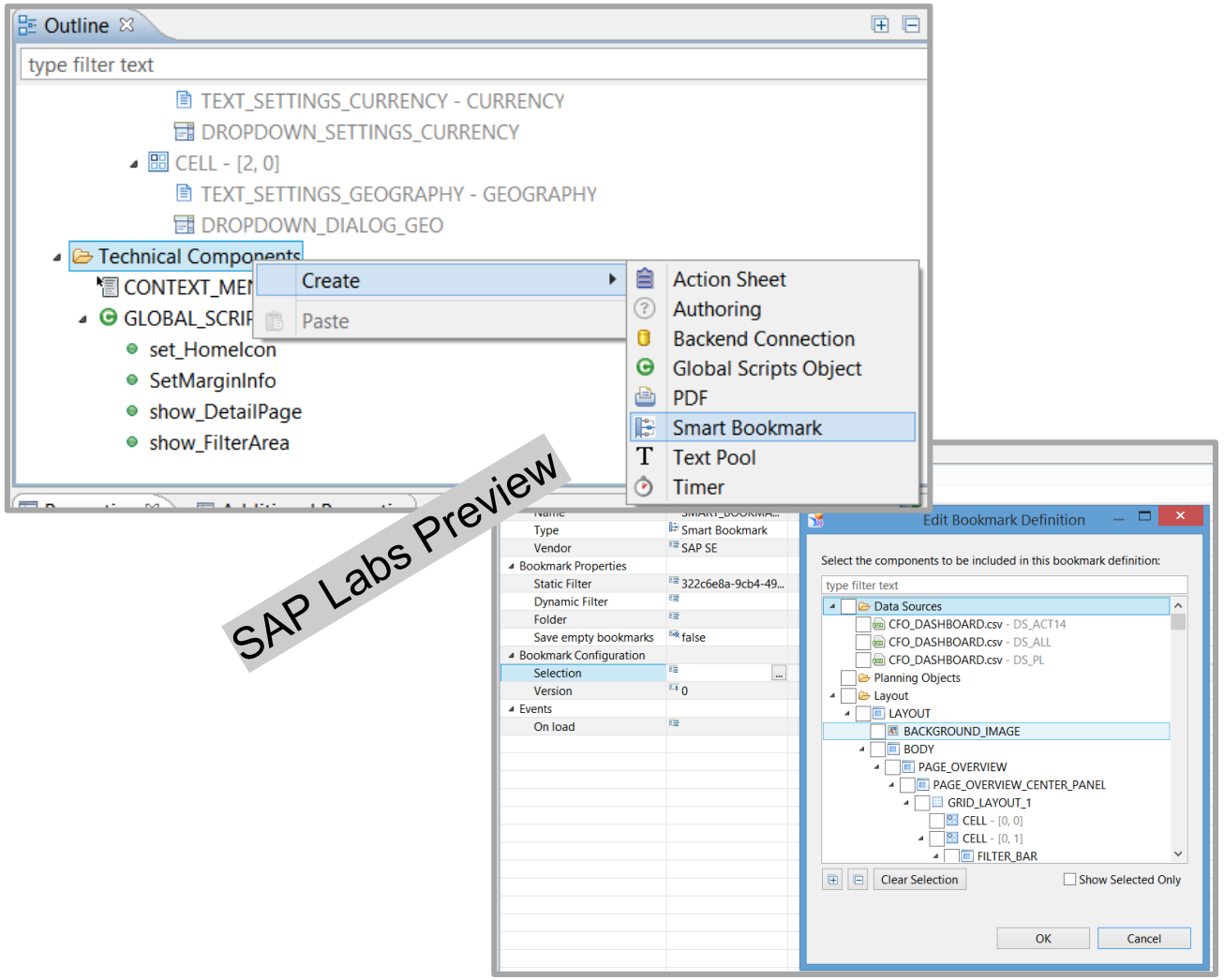
SAP BusinessObjects Lumira

Application design

Planned Innovations

Reworked Bookmark Concept

- Designer configures what is captured in a bookmark (e.g. selection of data sources, global script variables, components)
- Increasing robustness of bookmarks against application UI changes
- Bookmark configuration as a technical component in design time
- Promotion management support of bookmarks and folders



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SAP Design Studio 1.6 SP2

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- Info chart enhancements
- Designer: Simple calculations, UX enhancements (Resizable, moveable dialogs)
- Support of cascading filters for UNX and CSV data sources

Planned Innovations

Agility & insight for analysts

- Modernized user experience
- Improved Filter and Input Controls
- Simplified visualization experience
- Improved SAP HANA online analysis
- Support for SAP BW online analysis
- Export to PDF enhancements

Trust and scale

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SAP BusinessObjects Lumira

Future direction

Future Direction

SAP BusinessObjects Lumira is a powerful product delivering self-service analytics solution which allows any users to gain instant insights, collaborate, and optimize their business results along with an environment to develop new applications for specific needs and planning requirements.

SAP BusinessObjects Lumira fuels creativity through its extensible design and brings simplicity to your daily business.

SAP BusinessObjects Lumira will deliver continuous innovations on the following vision:

- **One product** for data discovery and application design environment
- **Agility** for business users with **trusted BI** and **scale** across organization
- **Simplified** discovery and analysis for insights
- **Embeddable, extensible,** and **interoperable** with custom and SAP solutions
- **Flexible** on-premise, virtualization, and mobile options for all sizes
- **Collective insights** by bringing network of people, data, and actions together
- **Global** operation ready

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Thank you

Road map contacts for customers and partners

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- Christoph Albrecht christoph.albrecht@sap.com SAP Lumira Product Management

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Key links for more information

For customers and partners

Key links

• SAP Lumira	http://saplumira.com
• SAP Lumira tutorials and recording	http://scn.sap.com/docs/DOC-26507
• SAP Community Network	http://scn.sap.com/community/lumira and http://scn.sap.com/community/businessobjects-design-studio
• Road maps on SAP Service Marketplace	http://service.sap.com/saproadmaps
• Official tutorials for SAP BI	http://sap.com/learnbi
• IT Planning Resources	https://service.sap.com/~sapidb/011000358700001160122012E
• Sizing Guide	http://scn.sap.com/docs/DOC-53374 and http://service.sap.com/sap/support/notes/1177020
• Product Documentation	http://help.sap.com/
• Product Availability Matrix	https://support.sap.com/release-upgrade-maintenance/pam.html

Where to go to provide product feedback and ideas

• SAP Idea Place	https://ideas.sap.com
• Influence programs	http://service.sap.com/influence
• SAP User Groups	http://www.sapusergroups.com/

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