ANP100 – SAP BusinessObjects Lumira + SAP BusinessObjects Design Studio = Lumira 2.0

Speakers

Las Vegas, Sept 19 - 23

Eric Schemer

David Stocker

Bangalore, October 5 - 7

Ramu Gowda Timma

Barcelona, Nov 8 - 10

Eric Schemer

Jie Deng

Disclaimer

The information in this presentation is confidential and proprietary to SAP and may not be disclosed without the permission of SAP. Except for your obligation to protect confidential information, this presentation is not subject to your license agreement or any other service or subscription agreement with SAP. SAP has no obligation to pursue any course of business outlined in this presentation or any related document, or to develop or release any functionality mentioned therein.

This presentation, or any related document and SAP's strategy and possible future developments, products and or platforms directions and functionality are all subject to change and may be changed by SAP at any time for any reason without notice. The information in this presentation is not a commitment, promise or legal obligation to deliver any material, code or functionality. This presentation is provided without a warranty of any kind, either express or implied, including but not limited to, the implied warranties of merchantability, fitness for a particular purpose, or non-infringement. This presentation is for informational purposes and may not be incorporated into a contract. SAP assumes no responsibility for errors or omissions in this presentation, except if such damages were caused by SAP’s intentional or gross negligence.

All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of their dates, and they should not be relied upon in making purchasing decisions.

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

Agenda

Overview

On Premise Convergence Strategy

Lumira 2.0 Details

Lumira 2.0 FAQ

Conclusion & Roadmap

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

Overview

SAP Analytics Strategy

LEAD THE CLOUD

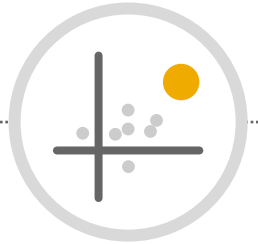
- Build the new analytics & planning cloud platform
- Bring data-driven decision making to our customers, in the most beautiful and engaging way, creating lasting value for them
- Build innovative Analytic Applications across industries in co-innovation with customers
- Enrich HCP, HANA and other SAP Cloud Products (embedded predictive, etc.)

INNOVATE THE CORE

- Simplify and better integrate our on-premise BI portfolio
- Foster use of BPC, increase HANA for BW distribution, guide customers towards new HANA-native use cases
- Massively increase adoption within installed base with our unique values over other vendors to work with SAP data
- LoB/department-oriented solutions for self-service needs
- Grow use of EIM tools and increase their stickiness
- Lead Advanced Analytics market with PA and embedded predictive in SAP products (e.g. HANA, Hybris, C4C, SFSF)

Growth

Adoption

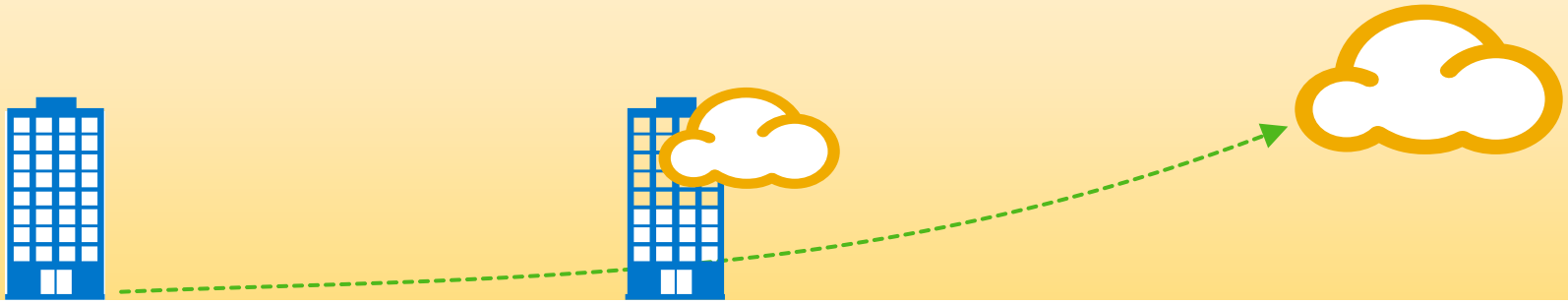


Market Leadership

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

Our Vision for Analytics

Companies are on a journey towards having their data and running their enterprise analytics in the cloud.



SAP will own that market with a cloud platform – unifying BI, Planning and Predictive – as a foundation, which:

- ✓ is natively built on HCP with beautiful UX in a visual language for business messaging, including pre-built content and access to any data
- ✓ takes full advantage of the disruptive power of SAP HANA Platform
- ✓ is open and extensible as an “analytics application factory”

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

SAP BusinessObjects Analytics

LEAD THE CLOUD

Deliver new analytics capabilities, built natively on HCP

Data Level Interoperability

INNOVATE THE CORE

Modern, at scale on-premise deployments

SAP BusinessObjects Roambi

SAP Digital Boardroom

SAP BusinessObjects 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

SAP BusinessObjects Enterprise

- **BI**
  SAP BusinessObjects BI Lumira, Design Studio, Analysis Office
- **Planning**
  SAP BusinessObjects Planning and Consolidation + other solutions
- **Predictive**
  SAP BusinessObjects Predictive Analytics

On-premise and/or private cloud deployment options

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

Business Intelligence Portfolio

Delivery Schedule (subject to change)

H1 2016

BI 4.2 GA

Lumira 1.30 and 1.31

- Suse linux
- End-to-end HANA workflow in browser
- opendoc improvements
- Filter on measure
- Scheduling

Analysis Office 2.3

- BPC improvements

Design Studio 1.6 SP2

- FIORI controls
- Ad-hoc currency conversion

H2 2016

BI 4.2 SP3

- Sets
- Parallel queries on BEx
- DB audit universe
- WebI DHTML

Analysis Office 2.4

- BIP: Variants
- HANA: Cloud Identity management
- Enhanced reporting features
  - Axis sharing: for example butterfly reports
  - Grouping (hierarchy on the fly)

H1 2017

BI 4.2 SP4

- New BI LaunchPad UX
- New WebI Viewer UX

Lumira 2.x

- Merger of Design Studio and Lumira
- Self- Service Exploration and Visualization
- Business User Dashboards
- App Design

On-Premise Convergence Strategy

BI Client Portfolio Today

For 2016

Office Integration

SAP BusinessObjects Analysis, edition for Office

- For Financial Analysts and other business users
- Microsoft Office addin enables financial professionals and other business users to rapidly access, visualize, and analyze hierarchical data within Excel and PowerPoint.

Data Discovery

Discover, Analyze and Share

SAP BusinessObjects Lumira

- For Business Analysts and other business users
- Mashup relational data, rapidly create visualizations and build simple storyboards

Applications & Dashboards

Build Engaging Experiences

SAP BusinessObjects Design Studio

- For business users, power users and IT professionals
- Create sophisticated, dynamic analytic applications like planning front ends.
- Use the included templates to rapidly deploy self service analytics

Reporting

Distribute Formatted Information

SAP BusinessObjects Web Intelligence

SAP Crystal Reports

- Securely distribute information across your organization
- Answer new questions with predefined interactive reports
- Publish high volumes of personalized reports via email

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

Convergence Principles

We are converging use cases, not features and functions

All existing content is safe and will work

All BI 4.1 clients will be maintained and supported

No forced migrations

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

Convergence Progress

As of Q2 2016

			Progress to date
SAP BusinessObjects Lumira SAP BusinessObjects Explorer	**Lumira**	**Discovery & Analysis**	✓ Lumira Server running on BI Platform ✓ Lumira BW acquisition mode ✓ Improved visualization and story authoring
SAP BusinessObjects Design Studio SAP BEX Web Application Designer SAP BusinessObjects Analysis for OLAP SAP BusinessObjects Dashboards	**Design Studio**	**Dashboards & Applications**	✓ Export to Lumira ✓ Templates for BW ✓ Self-service dashboard composition ✓ Large scale WAD adopting DS ✓ Scorecard control ✓ Improved UNX support
SAP BusinessObjects Analysis Office Live Office EPM Add-In SAP BEX Analyzer	**Analysis Office**	**Office Integration**	✓ EPM Add-in converged
SAP Crystal Reports SAP BusinessObjects Web Intelligence SAP BusinessObjects Set Analysis Desktop Intelligence	**Crystal Reports Web Intelligence**	**Reporting**	✓ Freehand SQL support in WebI 4.1 SP6

Interoperability

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

Convergence of Lumira and Design Studio

Lumira 2.0: Planned GA Q1 2017

SAP BusinessObjects Lumira
SAP BusinessObjects Explorer
SAP BusinessObjects Analysis for OLAP
SAP BusinessObjects Design Studio
SAP BEX Web Application Designer
SAP BusinessObjects Dashboards

Lumira 2.x

Lumira discovery (formerly Lumira Desktop)
Lumira designer (formerly Design Studio)
Combined server-side addon

Data Discovery & Applications

Planned Benefits

- ✓Retain simple, business user focused desktop tool & IT focused enterprise dashboard tool
- ✓Promote business user visualizations to enterprise dashboards
- ✓Changing requirements doesn’t need a tool switch
- ✓Support for offline applications in designer (formerly Design Studio)
- ✓Combined server side add-on reduces IT administration cost
- ✓Improved ease of use & adoption with single canvas for both visualization and storyboard authoring.
- ✓Align with S/4 UI standard

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

SAP Lumira 2.x

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

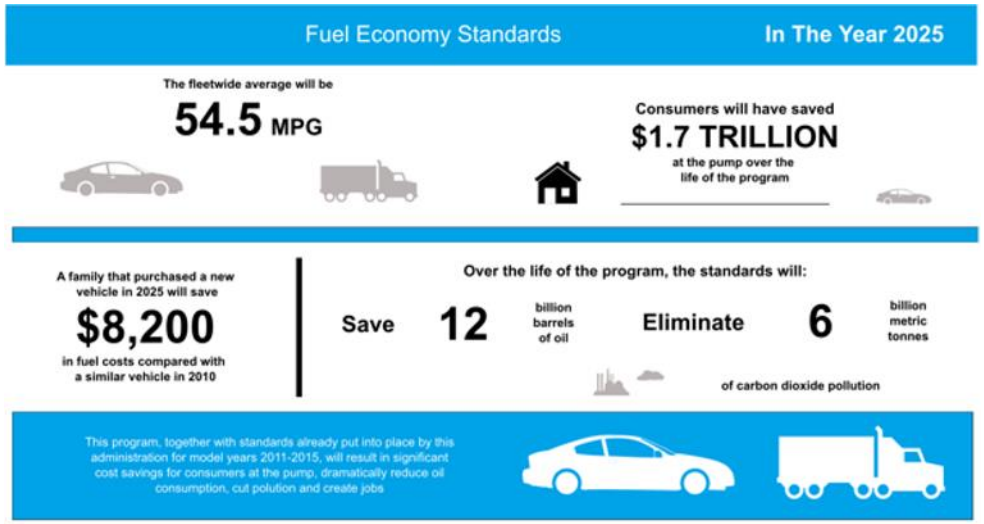
- Build engaging stories that highlight KPIs
- Share insights on mobile, web browser and desktop

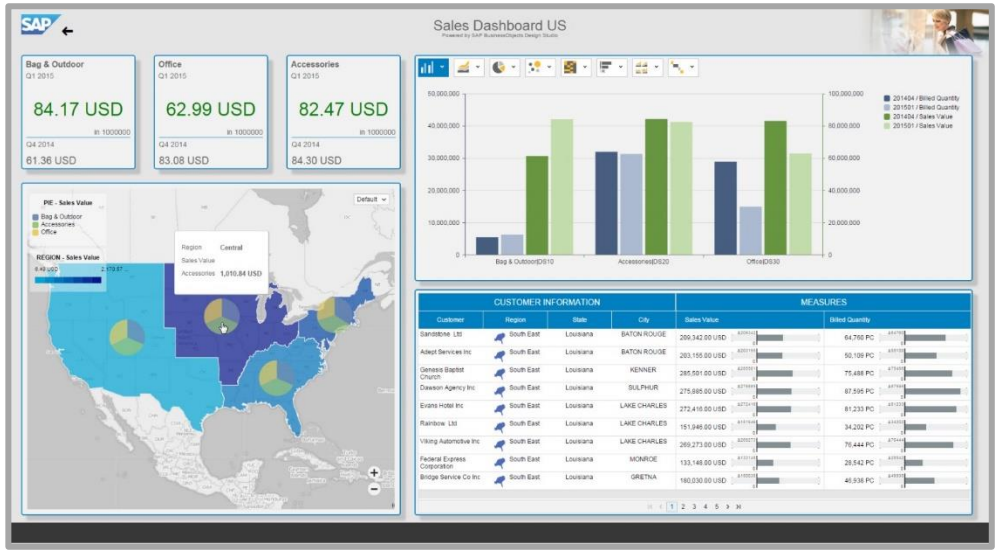
Design professional applications

- Build dashboard or self service applications for specific needs
- Extend SAP Lumira dashboard with 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

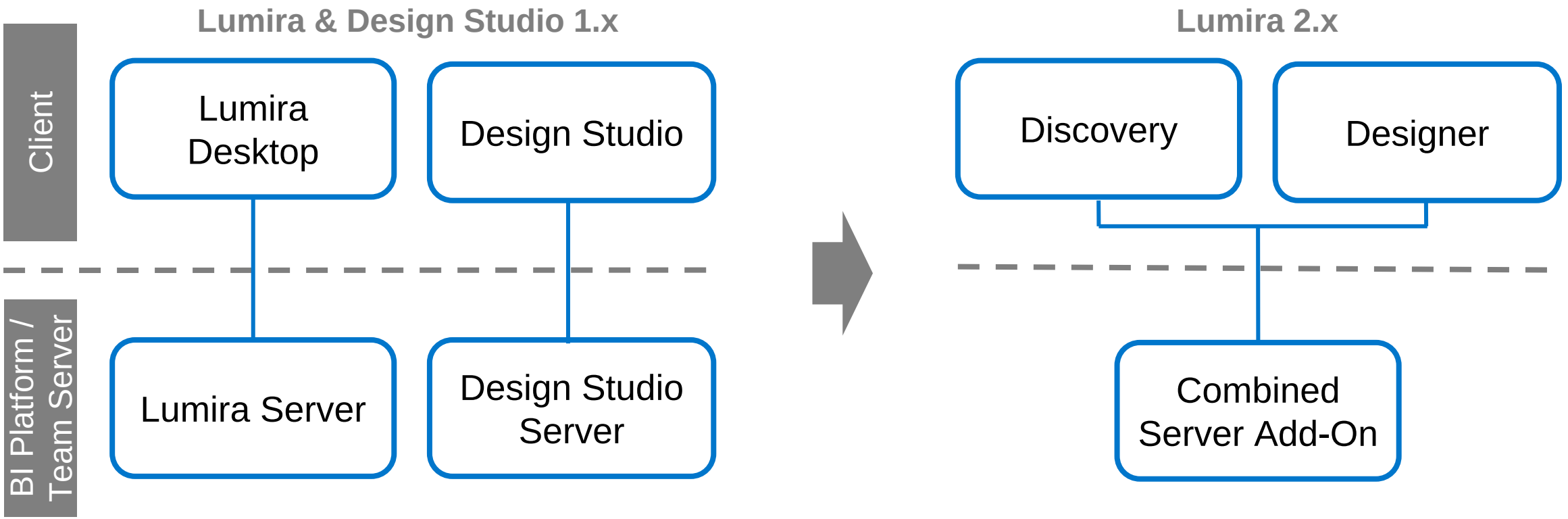




© 2016 SAP SE or an SAP affiliate company. All rights reserved.

SAP BusinessObjects Lumira 2.x

Deployment



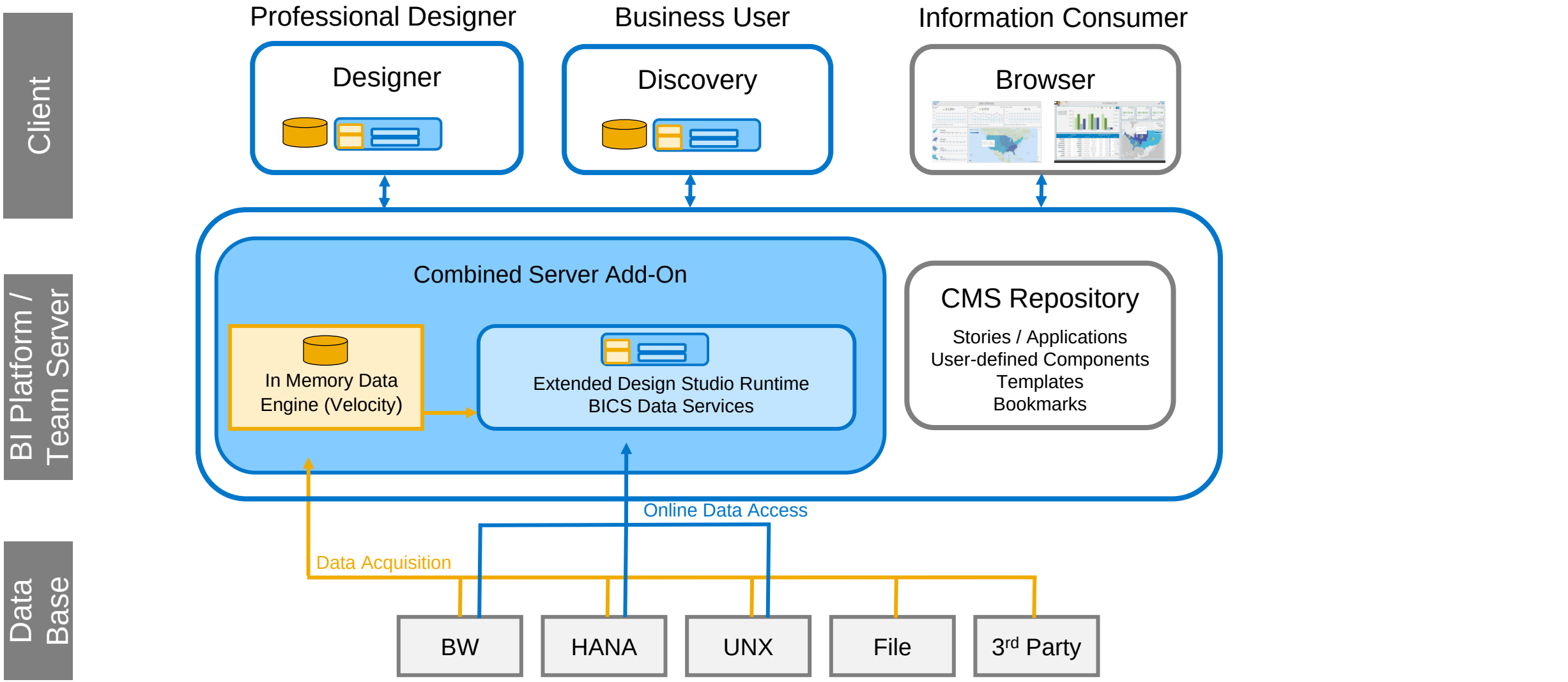
Note: SAP BusinessObjects Lumira 2.x consists of following

Lumira Desktop, Lumira Studio, Lumira Server for BI Platform and Lumira Server for Teams

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

SAP BusinessObjects Lumira 2.x

High-Level Architecture (Layers)



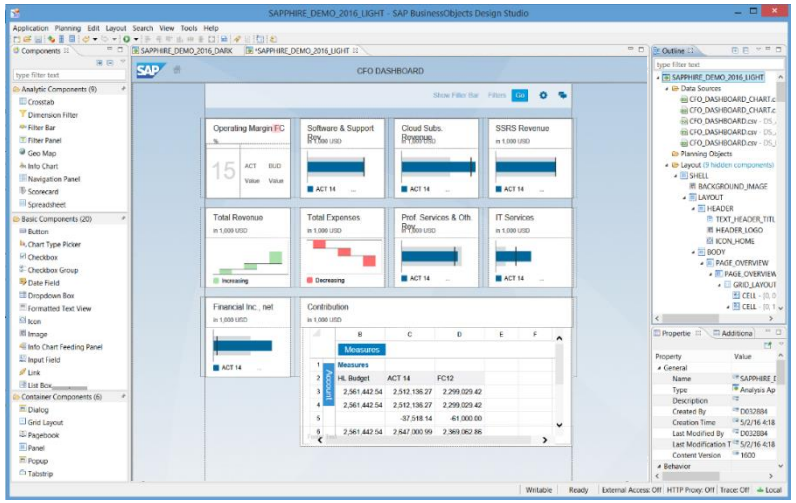
© 2016 SAP SE or an SAP affiliate company. All rights reserved.

Lumira 2.0 Details

SAP Lumira 2.x

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

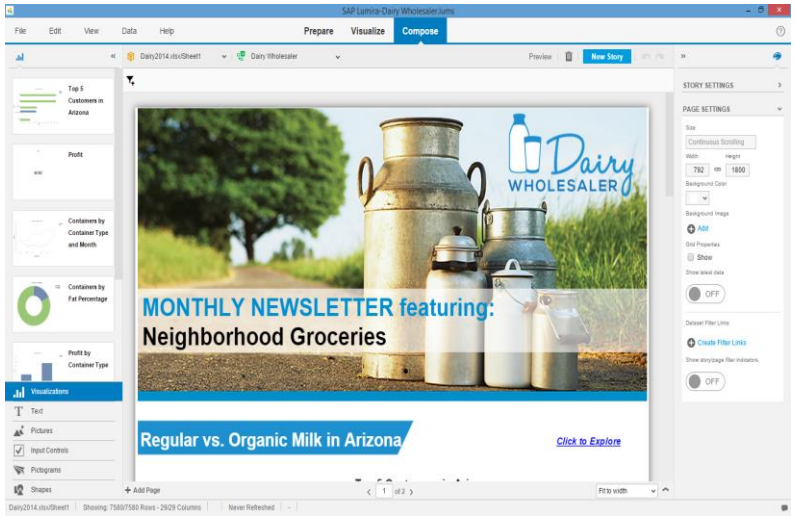
Designer



Personalize Designer applications

Extend SAP Discovery stories

Discovery



Common Technology

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

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

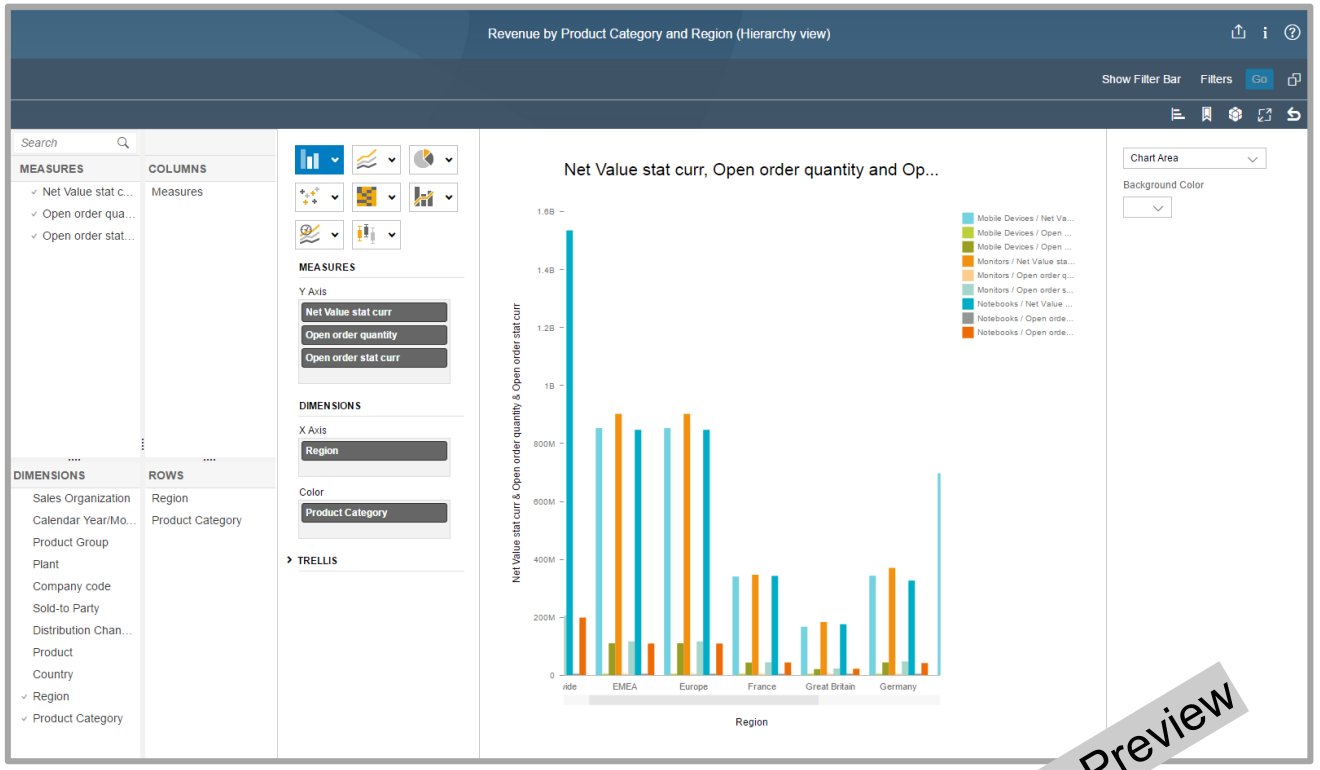
SAP BusinessObjects Design Studio Release 2.0

Feature Overview

Planned Innovations

End User

- Modernized user experience
- Improved Filter and Variable Prompt dialogs
- Contextual export to SAP BusinessObjects Analysis, edition for Microsoft Office
- Export to PDF enhancements
- Chart enhancements (new combination chart, better defaults, properties panel)
- Improved mobile experience: Responsive, scrollable container
- Online composition templates (authoring components)
- Planning: set BPC work status
- Resize crosstab columns
- Enhanced selection capabilities in crosstab & spreadsheet



SAP Labs Preview

Professional Designer, Developer, Admin

- Re-usable composites
- Robust bookmarks, LCM of bookmarks and folders
- SAP Fiori library: enable conversion of all commons library applications
- Additional SAP Fiori components (e.g. “Story Components”)
- Enhanced conditional formatting
- New BICS features (e.g. rename measures/dims)
- Continuous Improvements

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

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

SAP BusinessObjects Lumira 2.0

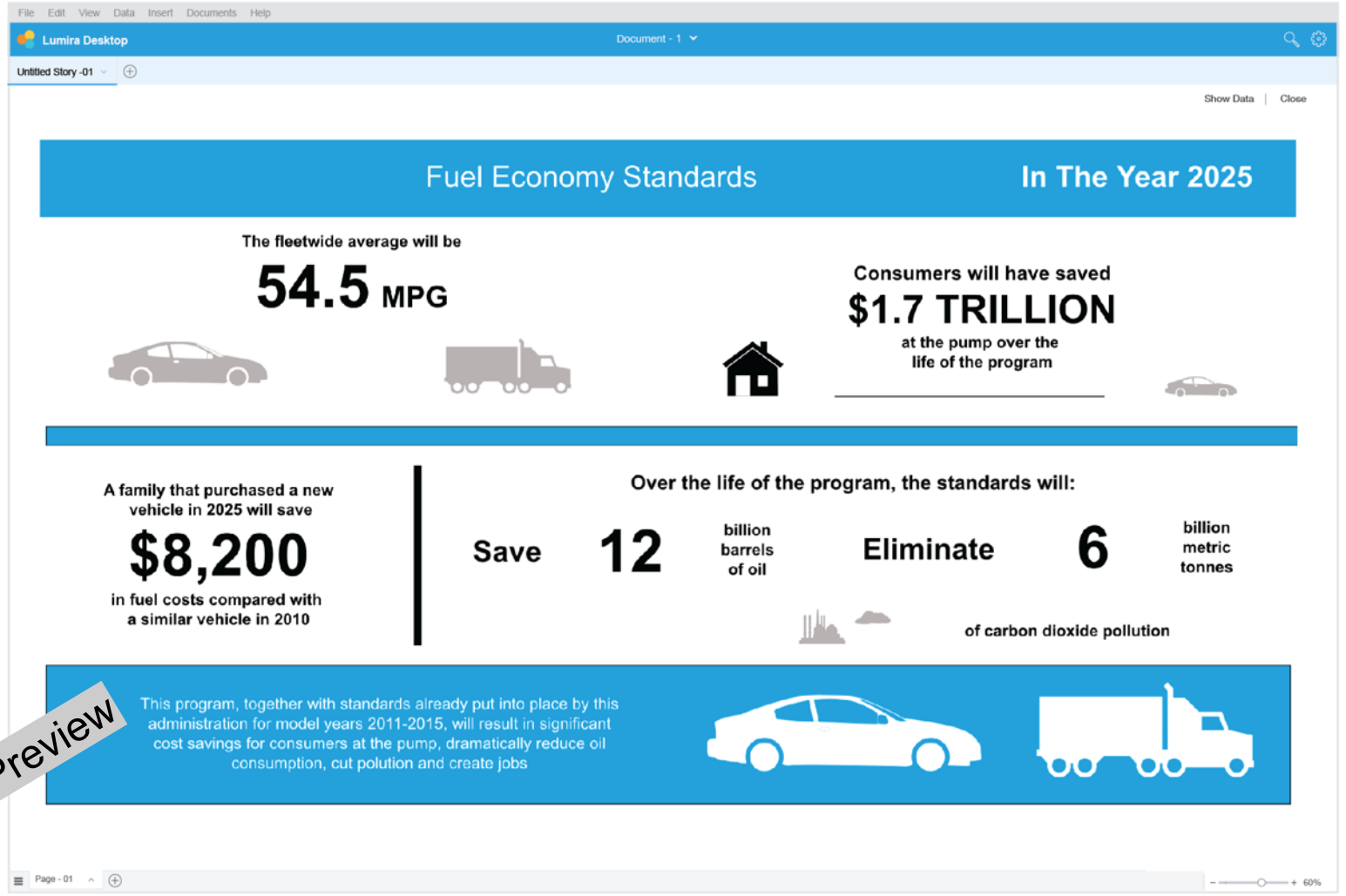
Trust and Scale

Planned Innovations

Enables Business users and IT to work together

Support for acquired data in discovery as a source in designer application

- Open and extend discovery stories in designer with additional functionalities ex. Scripting
- Open and analyze designer applications with discovery
- 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



SAP Labs Preview

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

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

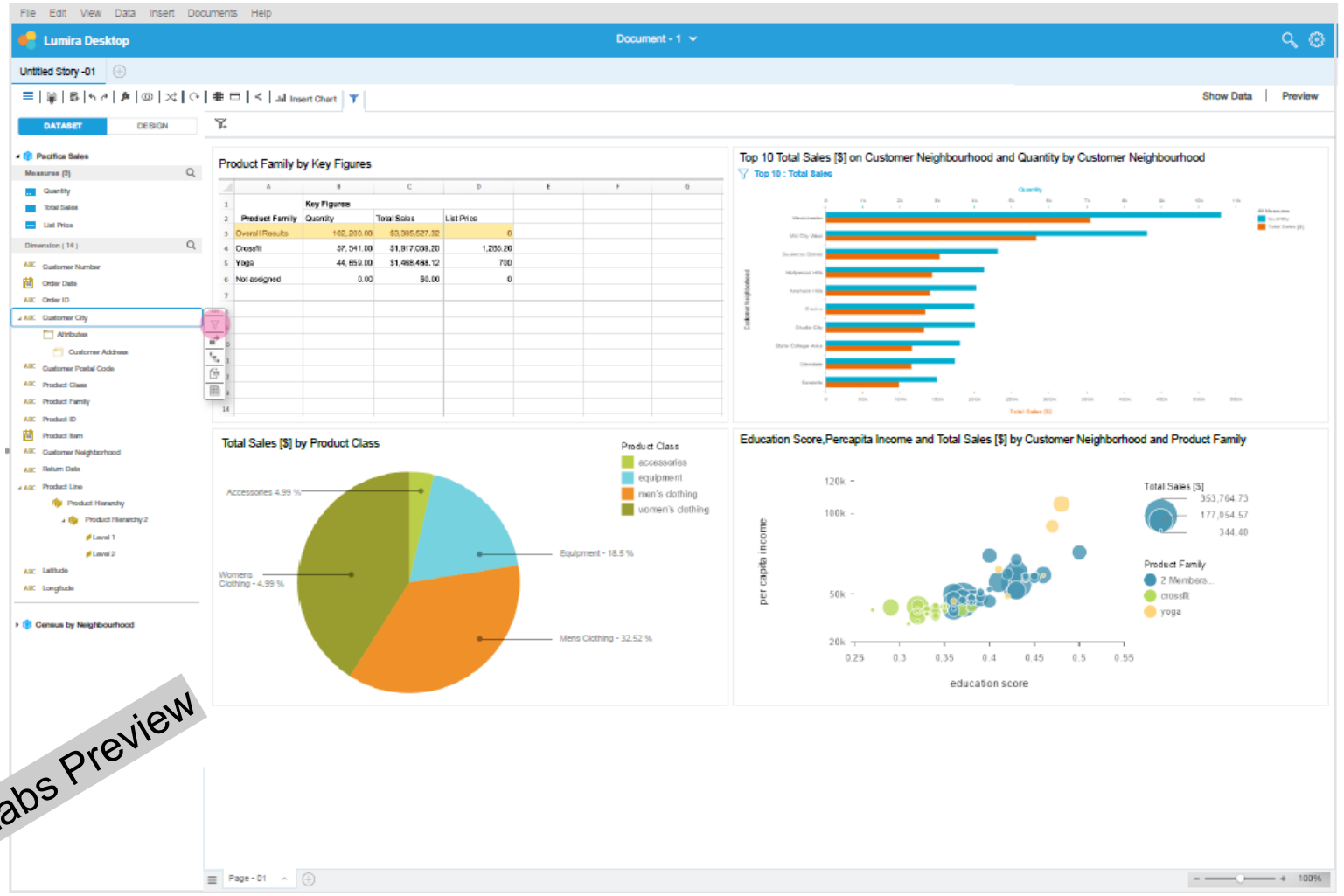
Planned Innovations

SAP BusinessObjects Lumira 2.0

Discovery: Agility and Insight for Analysts

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



SAP Labs Preview

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

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

SAP BusinessObjects Lumira 2.0

Discovery: Agility and Insight for Analysts

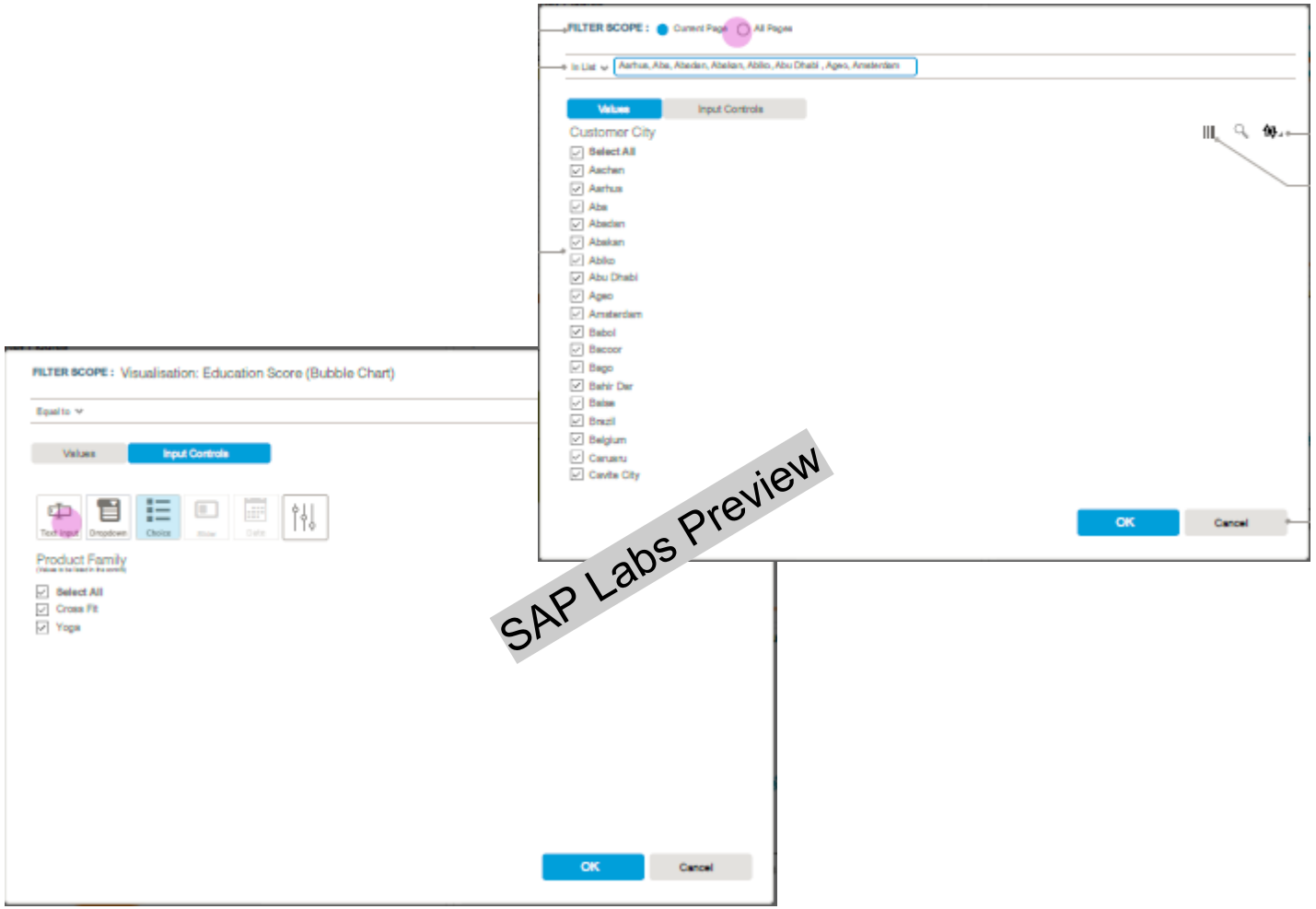
Planned Innovations

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



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

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

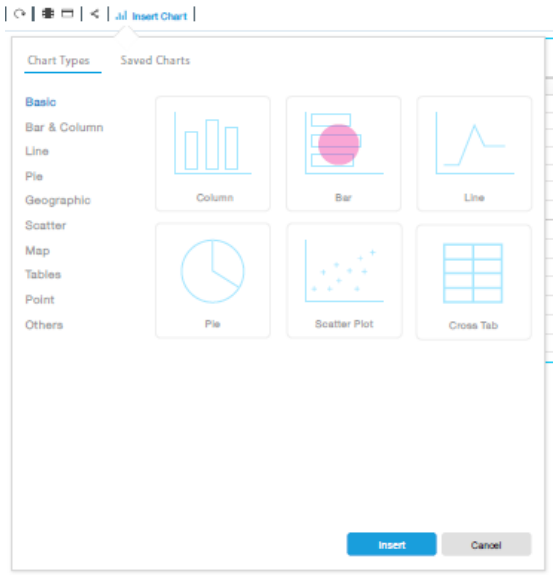
SAP BusinessObjects Lumira 2.0

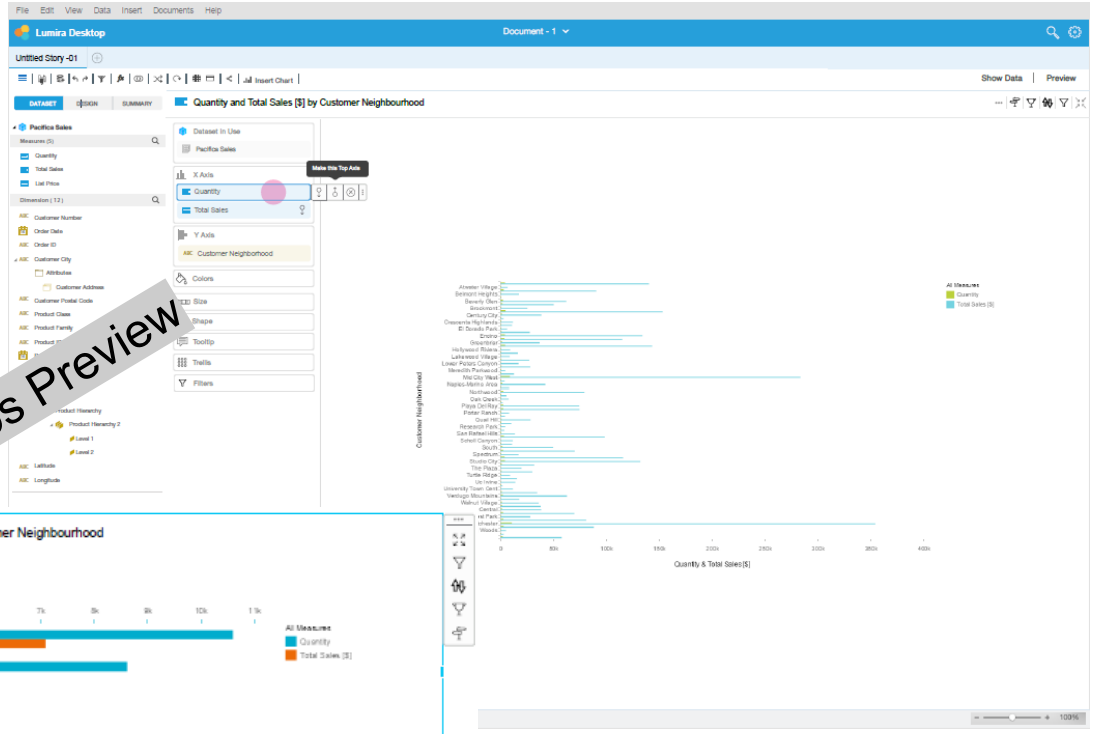
Discovery: Agility and Insight for Analysts

Planned Innovations

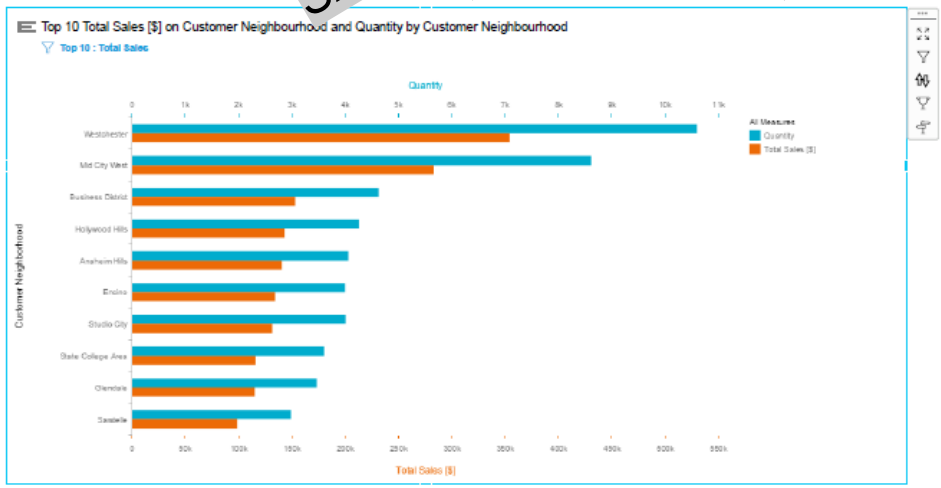
Simplified visualization and analysis experience

- 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





SAP Labs Preview



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

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

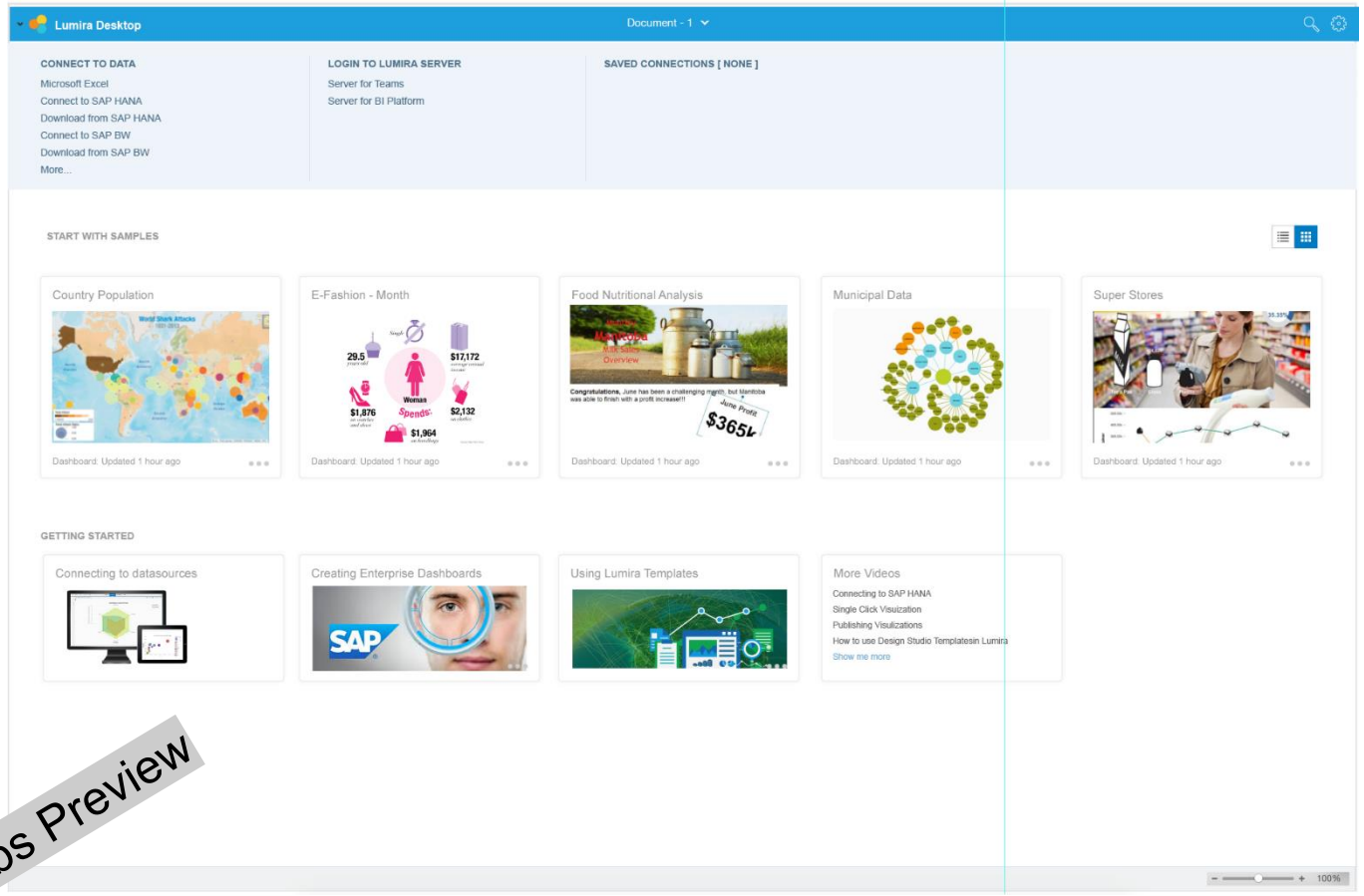
Planned Innovations

SAP BusinessObjects Lumira 2.0

Discovery: Agility and Insight for Analysts

Extended and Improved Online analysis

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



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

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

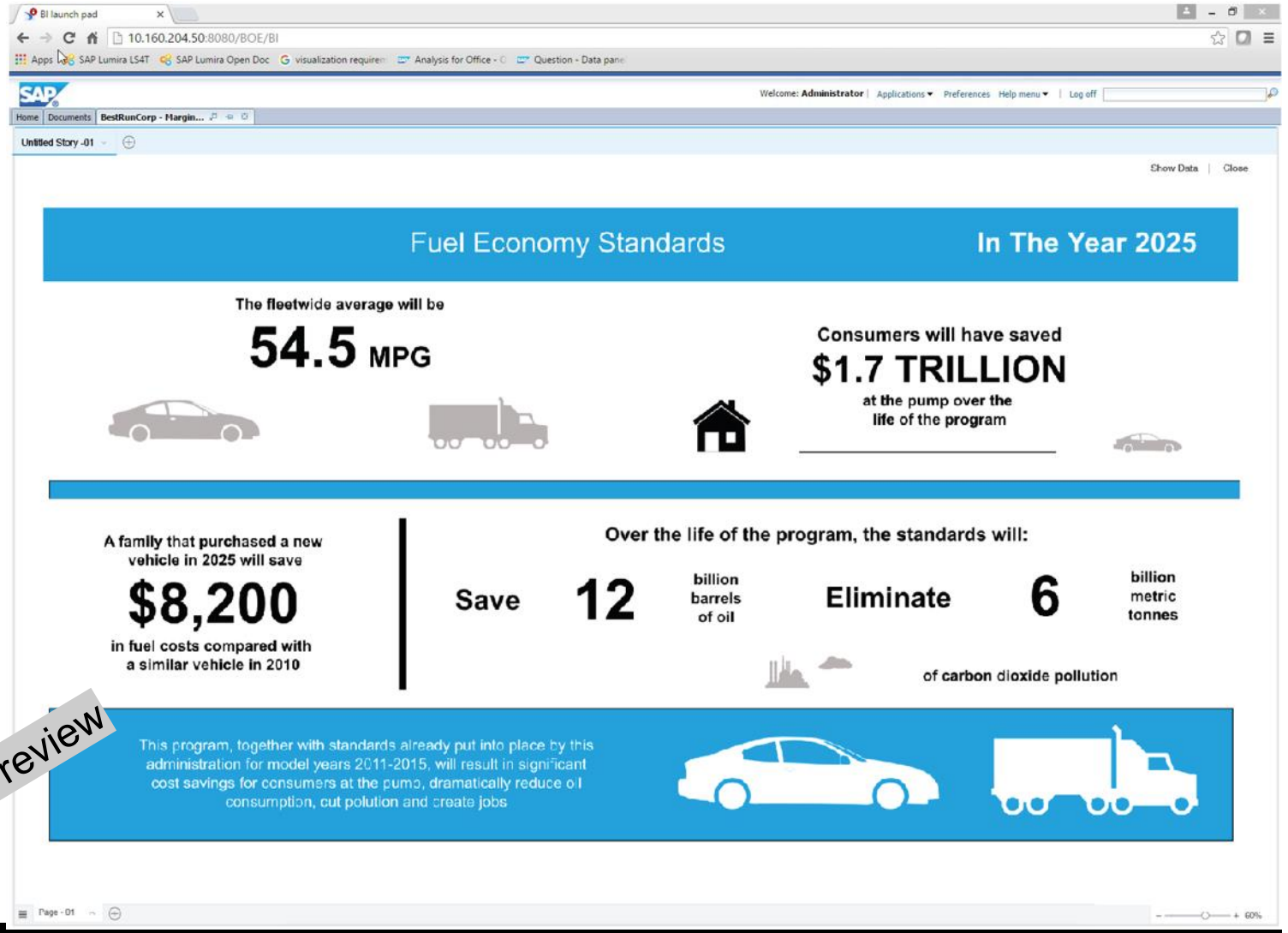
Planned Innovations

SAP BusinessObjects Lumira 2.0

Agility and Insight for analysts

Extended support for Enterprise deployment

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



© 2016 SAP SE or an SAP affiliate company. All rights reserved.

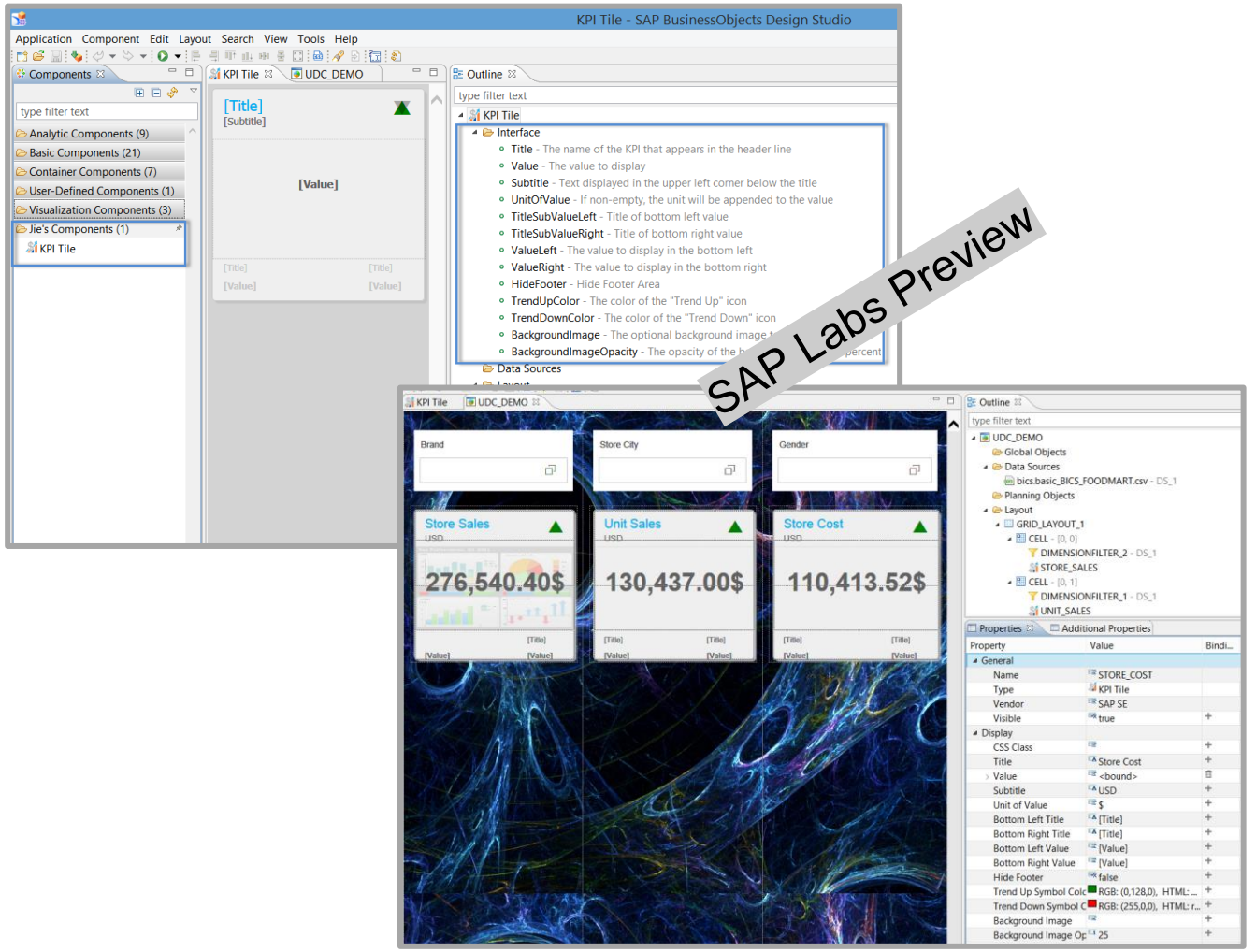
SAP BusinessObjects Lumira 2.0

Designer: Professional App 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



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

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

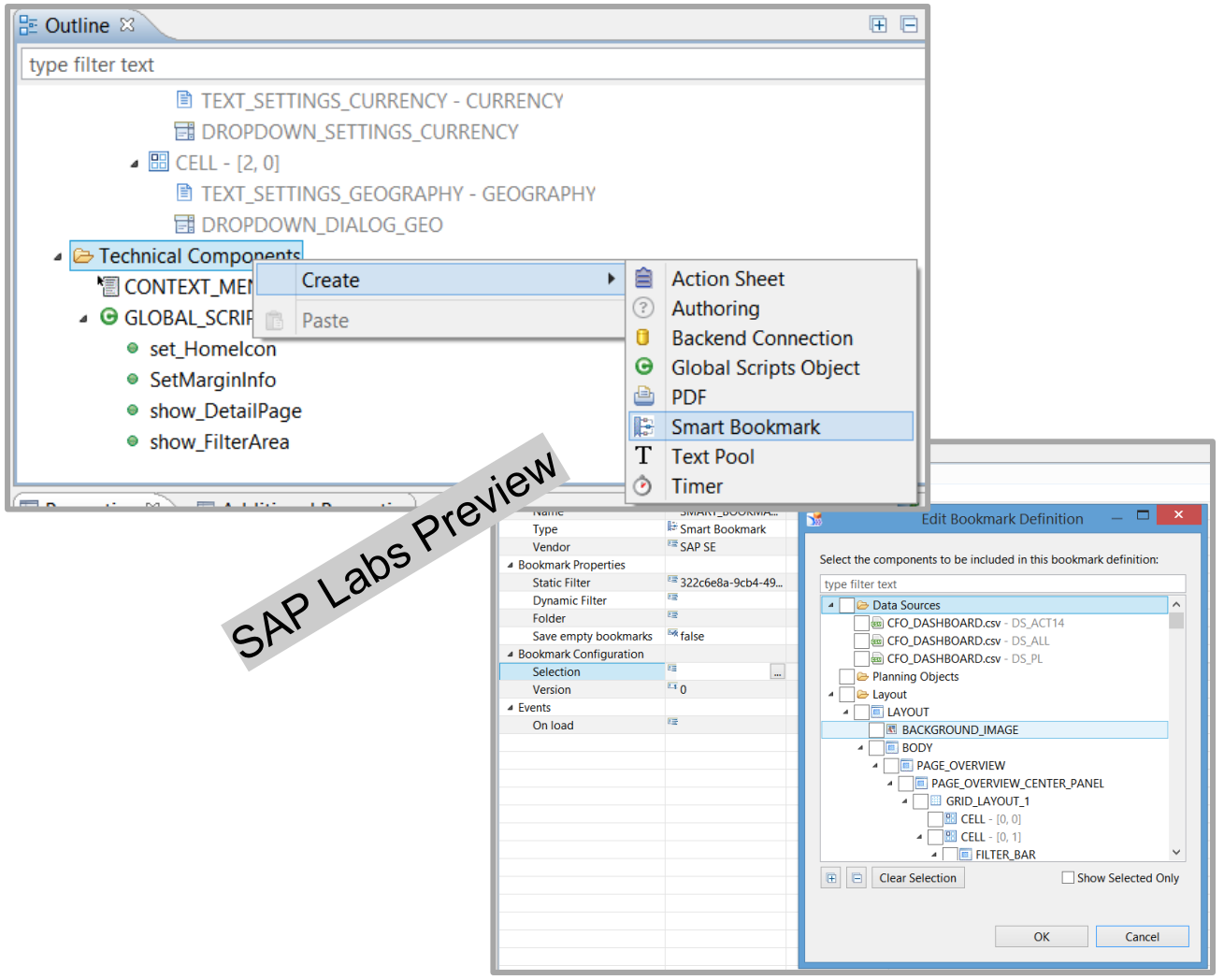
SAP BusinessObjects Lumira 2.0

Designer: Professional App 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



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

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

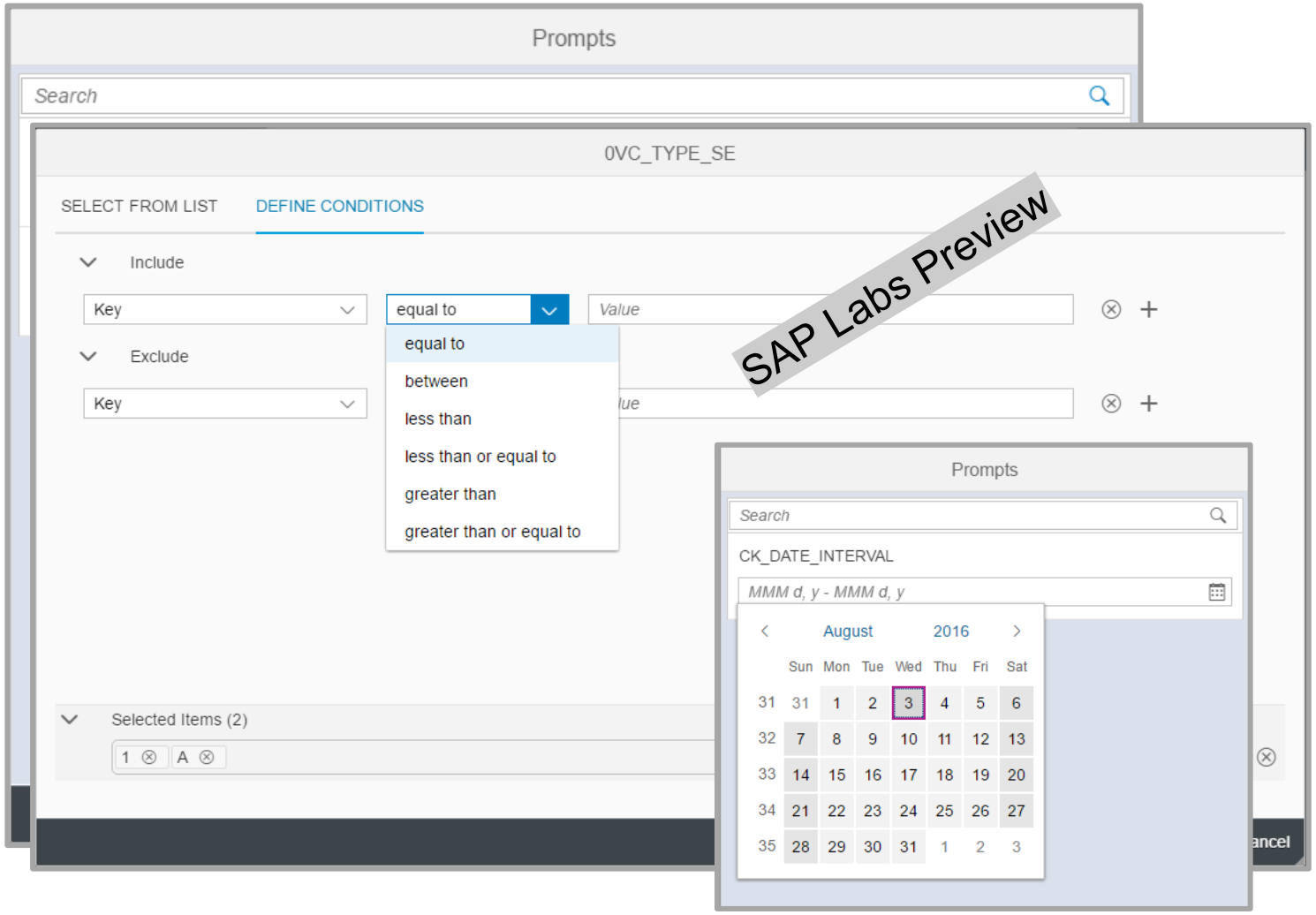
Planned Innovations

SAP BusinessObjects Lumira 2.0

Designer: Improved Variable Prompt Dialog

Improved Variable Prompt Dialog

- Intuitive and simplifying usability
- Rich options for defining data range of variable values
- Precise overview about all selected items for multiple selection variables
- Convenient and intuitive Date Picker available for single date or single interval date variables



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

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

SAP BusinessObjects Lumira 2.0

Designer: Improved Filter Components

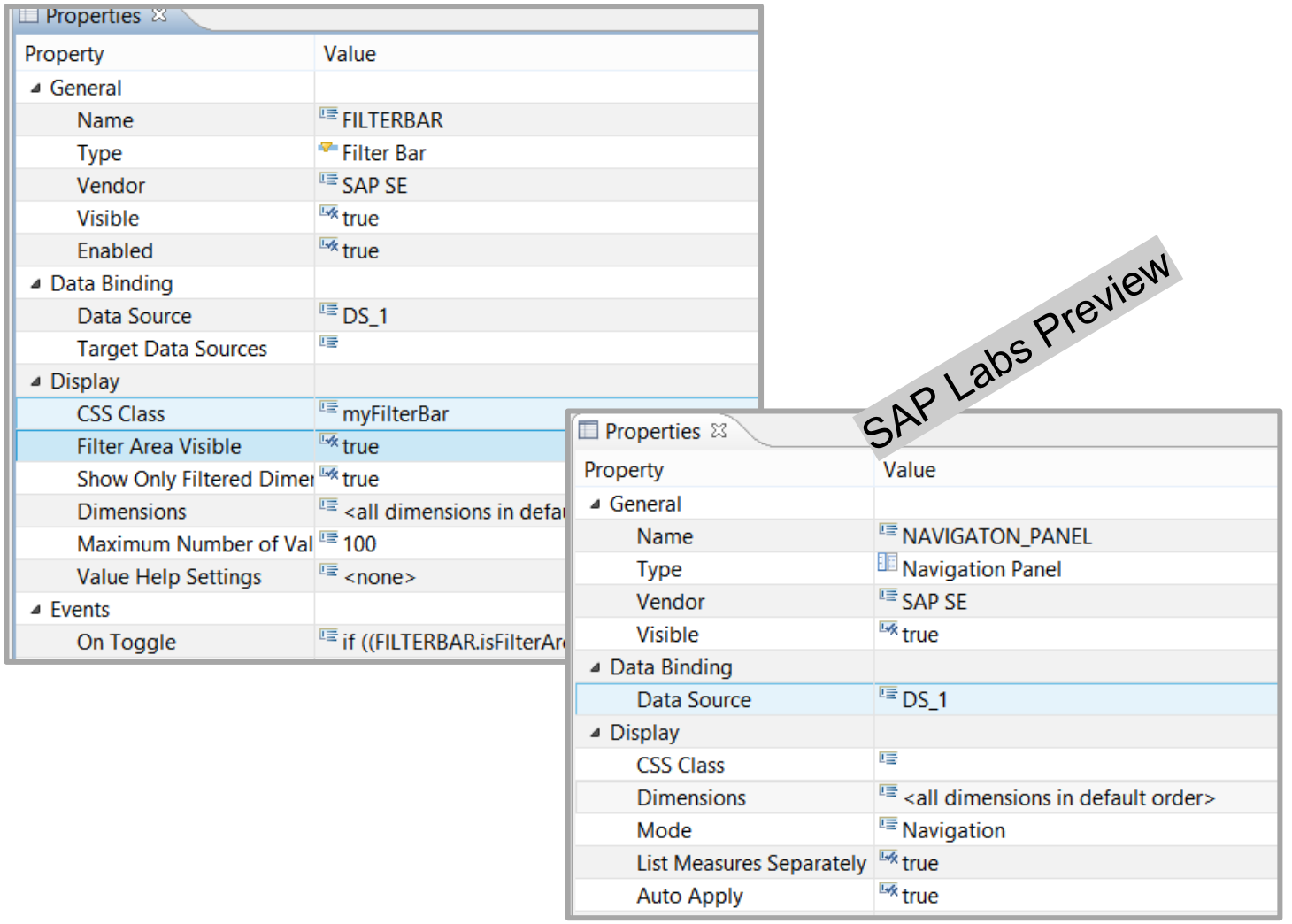
Planned Innovations

Filter Bar

- New property Filter Area Visible enables filter areas always open while application starts up
- New Property Show Only Filtered Dimensions enables dimensions that filter values are already set to be shown while application starts up

Filter / Navigation Panel

- New property Auto Apply enables changes that are taken within Filter / Navigation Panel are directly propagated to Data Sources.



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

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

SAP BusinessObjects Lumira 2.0

Designer: Enhancement of Selection Options

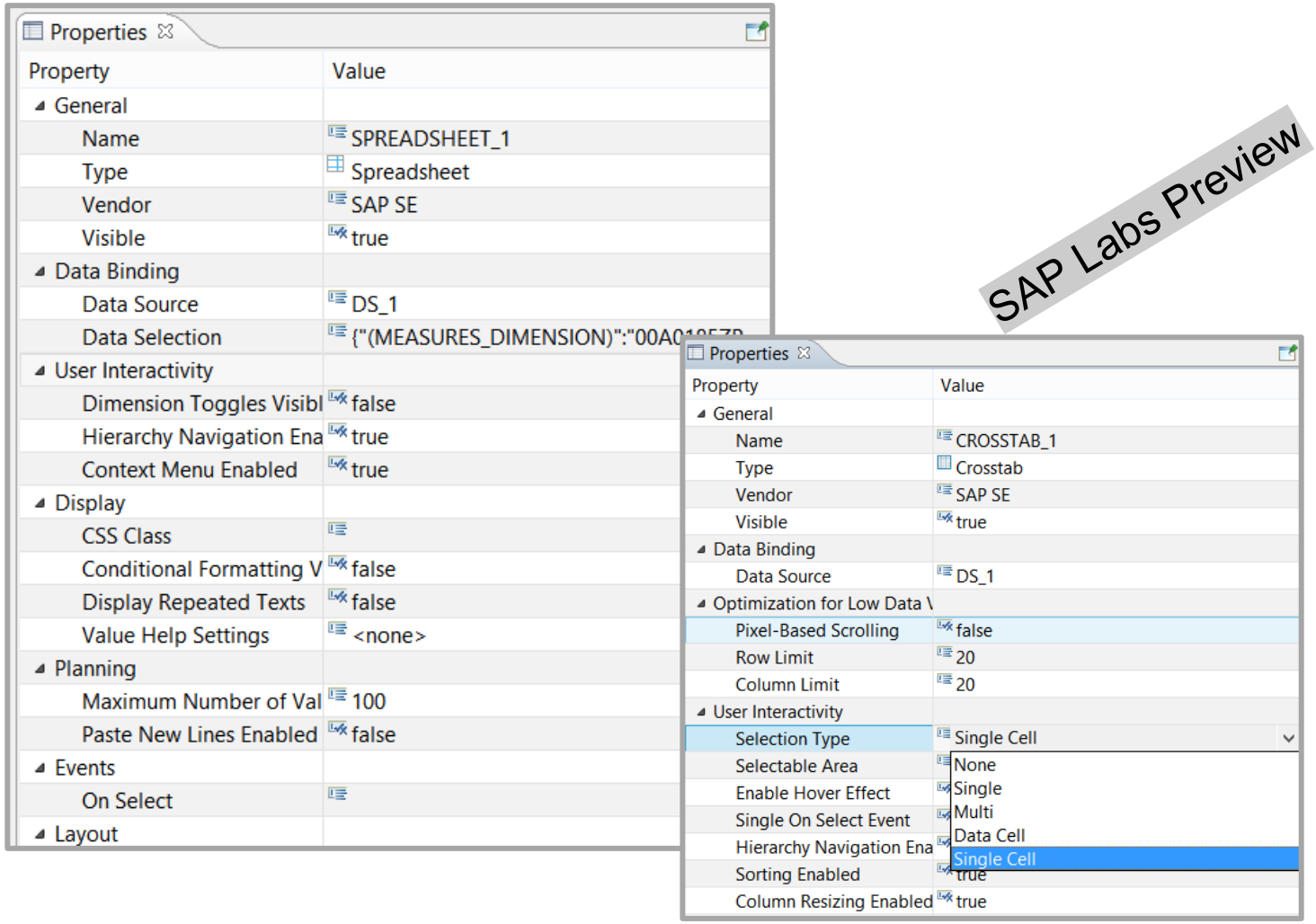
Planned Innovations

Crosstab

- Supports Single Cell selection and its related APIs
- Resizing of the column width can be bookmarked

Spreadsheet

- Supports On Select event and its related APIs
- Provides Data Selection to enable data projection of Data Sources



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

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

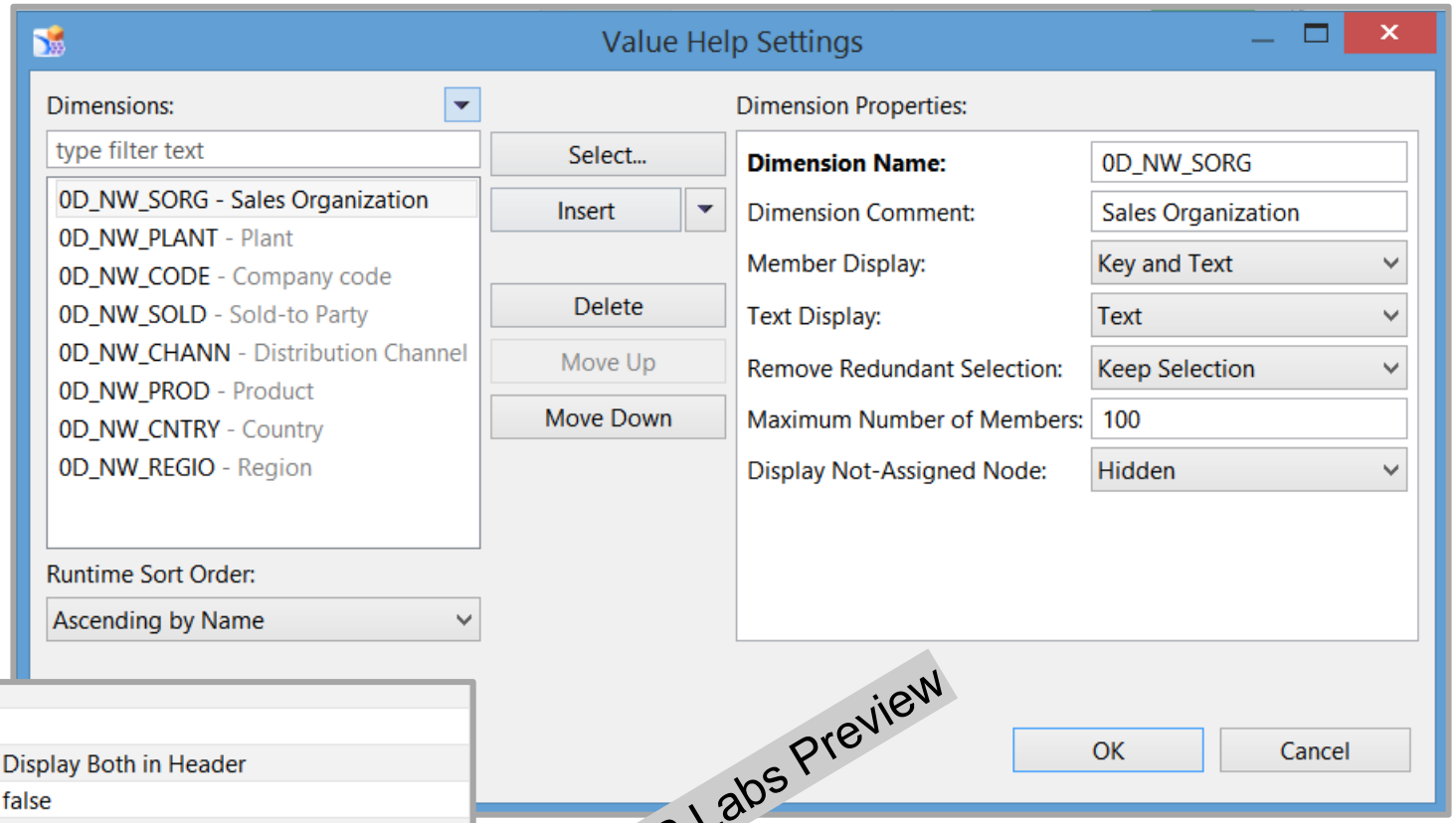
SAP BusinessObjects Lumira 2.0

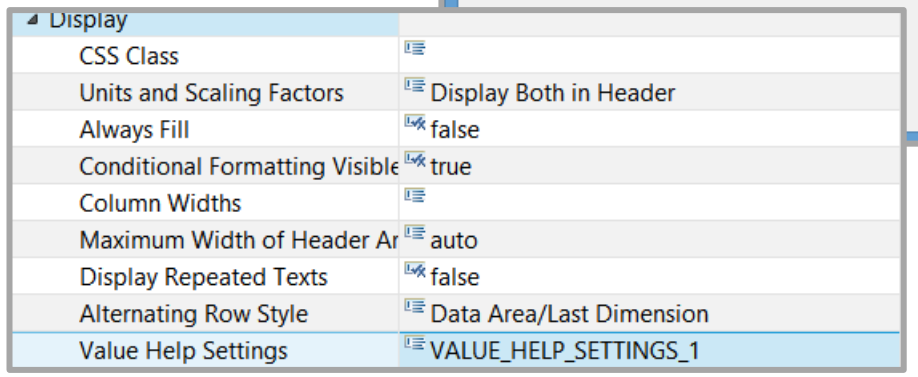
Designer: Value Help Settings

Planned Innovations

Value Help Settings

- Provided as the technical component
- Consistent across multiple components (Crosstab, Spreadsheet, Filter Bar, Filter Panel and Dimension Filter)
- Overwrites the existing settings available in property sheet
- Supports unassigned Data Sources by manually adding Dimensions and key figures





SAP Labs Preview

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

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

SAP BusinessObjects Lumira 2.0

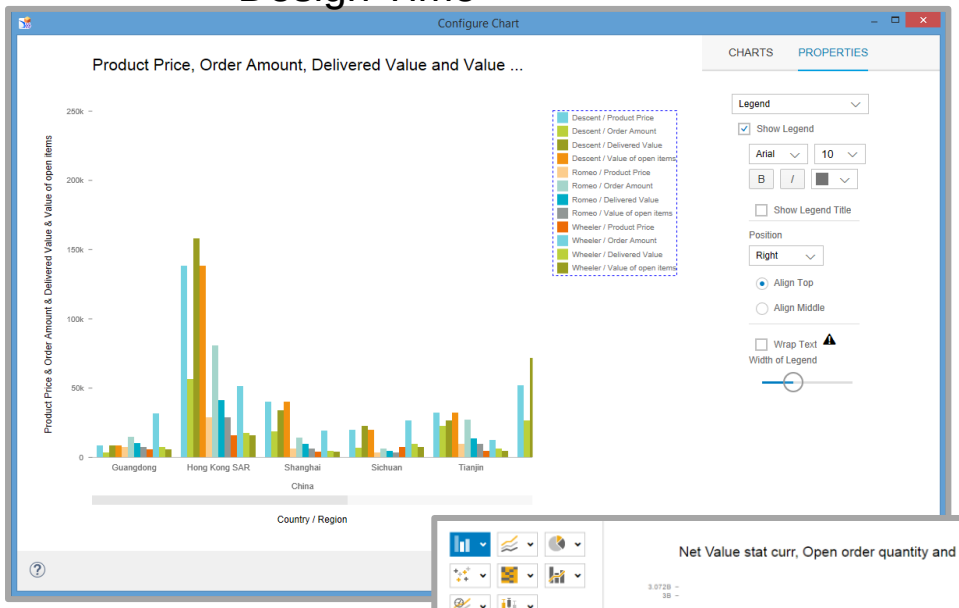
Designer: Comprehensive Charting Enhancements

Planned Innovations

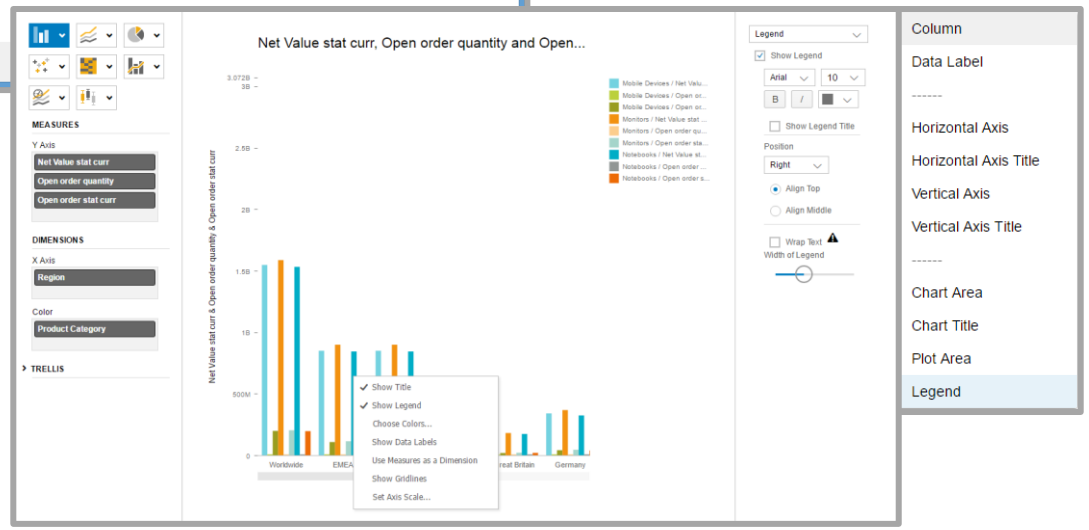
Comprehensive Charting Enhancements

- Provides Context menu at runtime to change title, change legend etc.
- Chart configuration redefined:
  - New intuitive User Interface
  - Select chart types and set properties in one place
  - Contextually display properties according to the selected elements
  - New properties e.g. “Extend label capacity”
- Simplifying chart types
  - Dramatically reduce the number of chart types without losing features
  - Flexible and convenient to define dual and combination charts based on the basic charts
- Improved Usability for Chart Feeding Panel
- All configuration options moved to property sheet at design time(no additional property sheet available)

Design Time



Runtime Time



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

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

SAP BusinessObjects Lumira 2.0

Designer: Renovated Map Component

Planned Innovations

Renovated Map Component

- Esri Map delivered as default basemap, Esri License included in the product license
- Supports data selection for data projection purpose
- Provides inclusive and exclusive as selection mode
- Rich configuration options at runtime via Map Property Editor
- Supports scaling factor
- Provides Clustering capability for Markers and Bubbles
- Offers reset function to go back to the view that includes all data points on the map

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

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

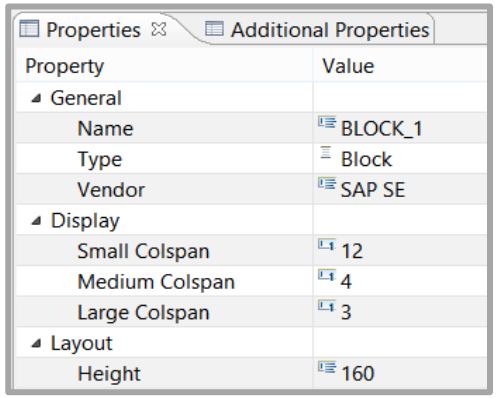
SAP BusinessObjects Lumira 2.0

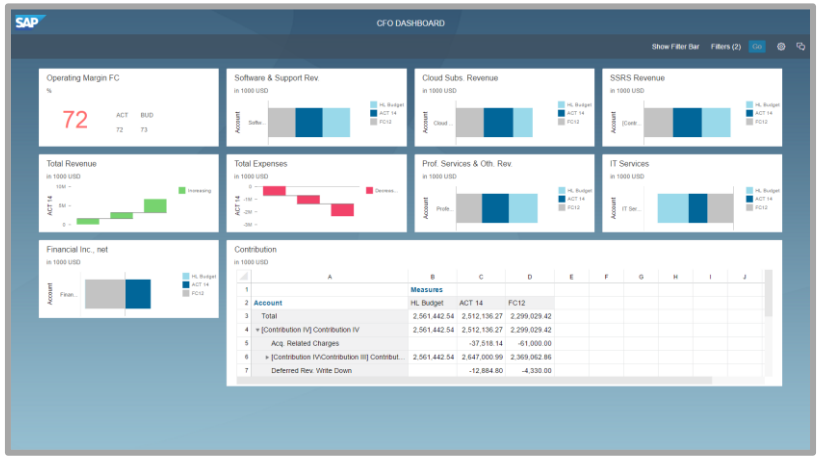
Designer: Improved Mobile Experience

Planned Innovations

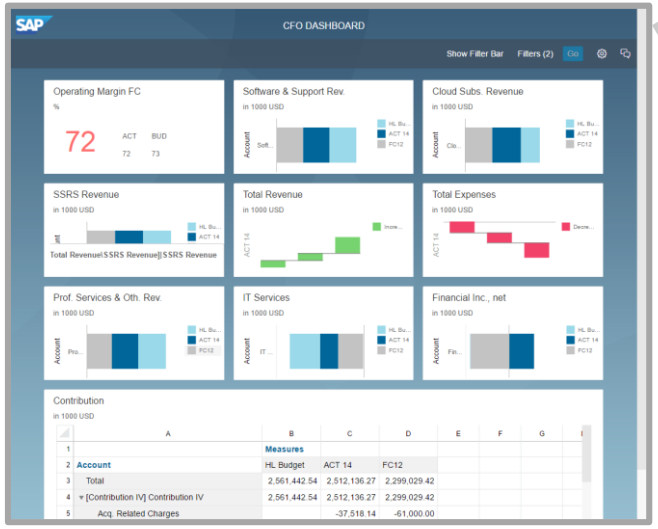
Adaptive Layout Container

- Provided as the container component
- Enables responsive layout through default 12 columns
- Each block supports 3 different layout options depends on the definition

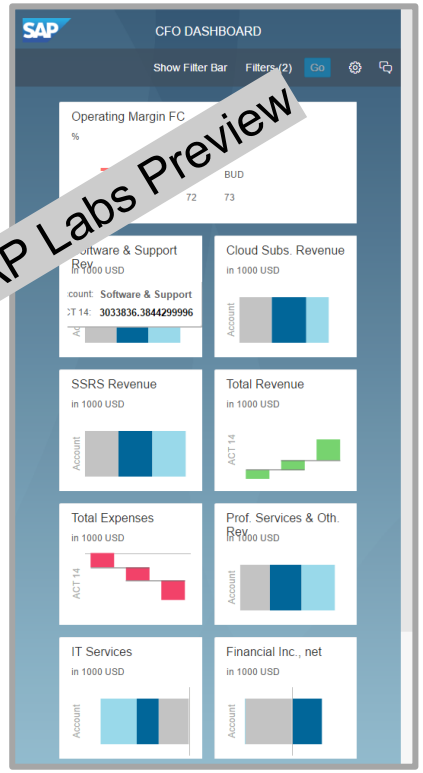




Desktop Deployment



Tablet Deployment



Mobile Phone Deployment

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

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

SAP BusinessObjects Lumira 2.0

Designer: Export to PDF Enhancements

Planned Innovations

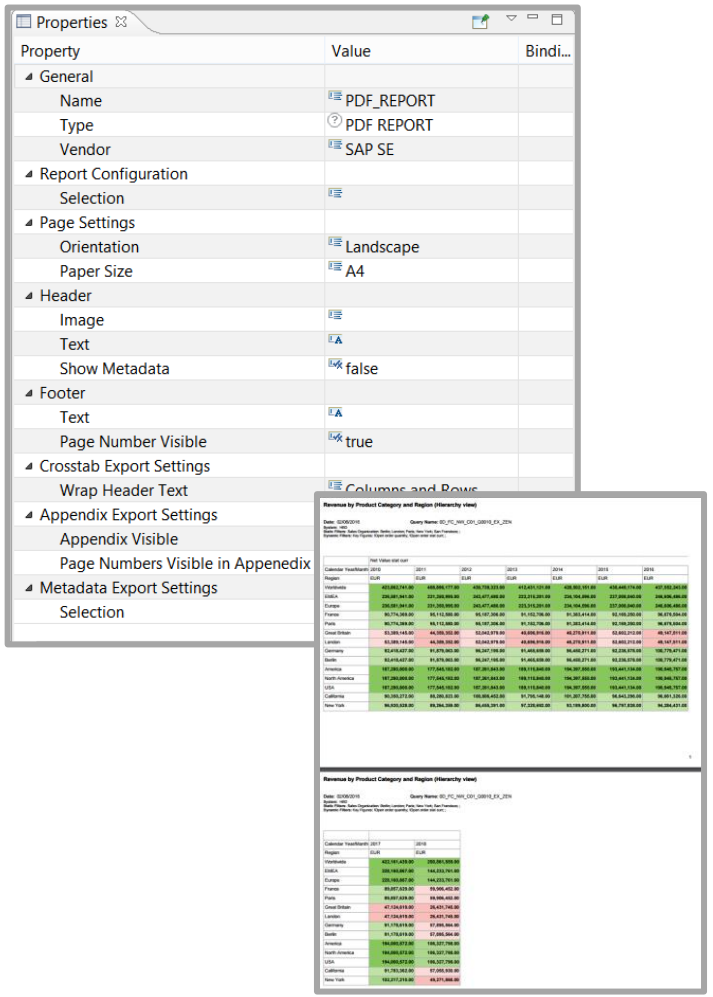
PDF in Report Style:

- Provides option to select analytical components that should be exported (Crosstab, Chart and Map)
- Every components are exported on the separate page
- Exported charts with high resolution
- Meta data settings can be exported as appendix

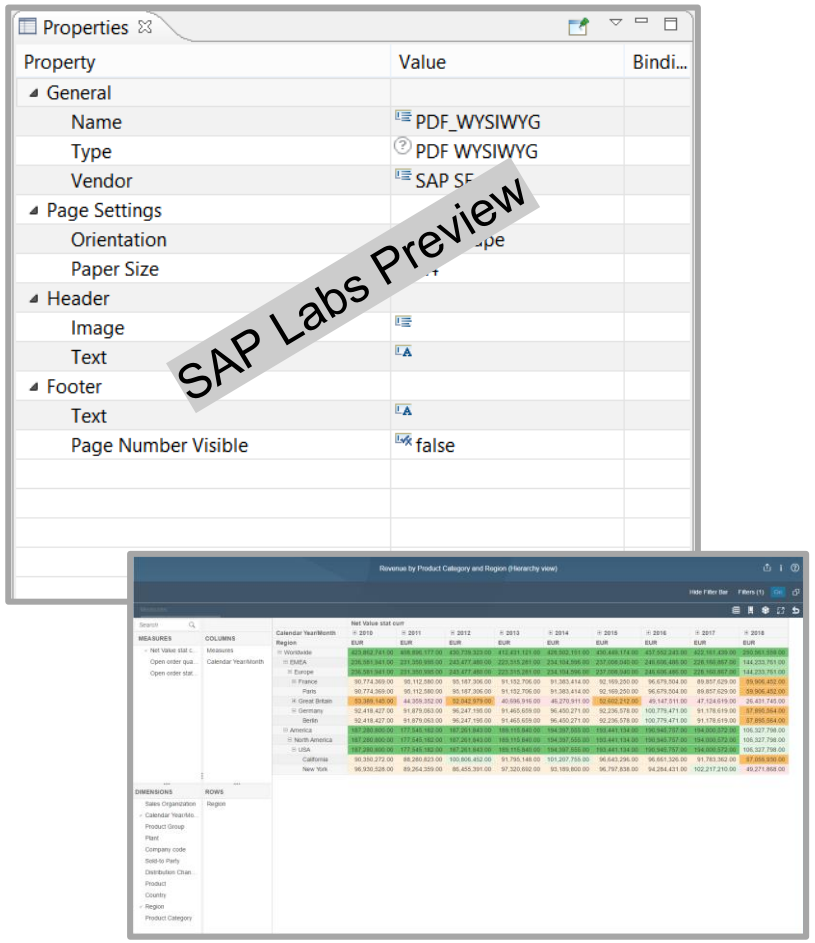
PDF in WYSIWYG Style

- What you can see on the screen is exported as one page
- Via defining a panel you can export a subset of components
- Exported charts with high resolution

PDF in report style



PDF in WYSIWYG Style



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

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

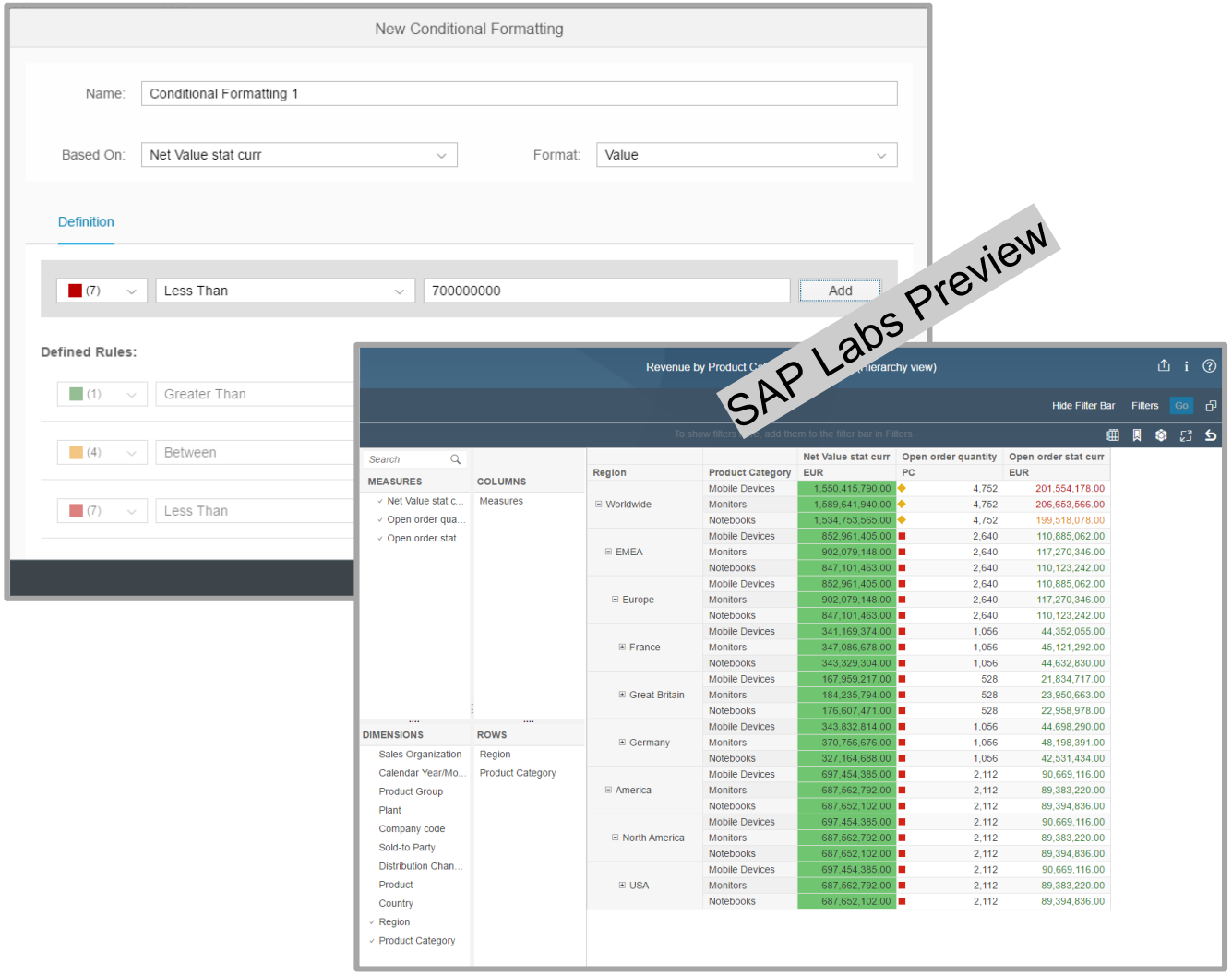
SAP BusinessObjects Lumira 2.0

Designer: Conditional Formatting

Planned Innovations

Conditional Formatting for Crosstab

- Provided as the entry in context menu
- Defines rules for exception
- Exceptions can be represented as background, value, status symbol, trend ascending, trend descending and trend gray
- Pre-defined exceptions in the backend can be activated/de-activated and format can be adjusted.



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

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

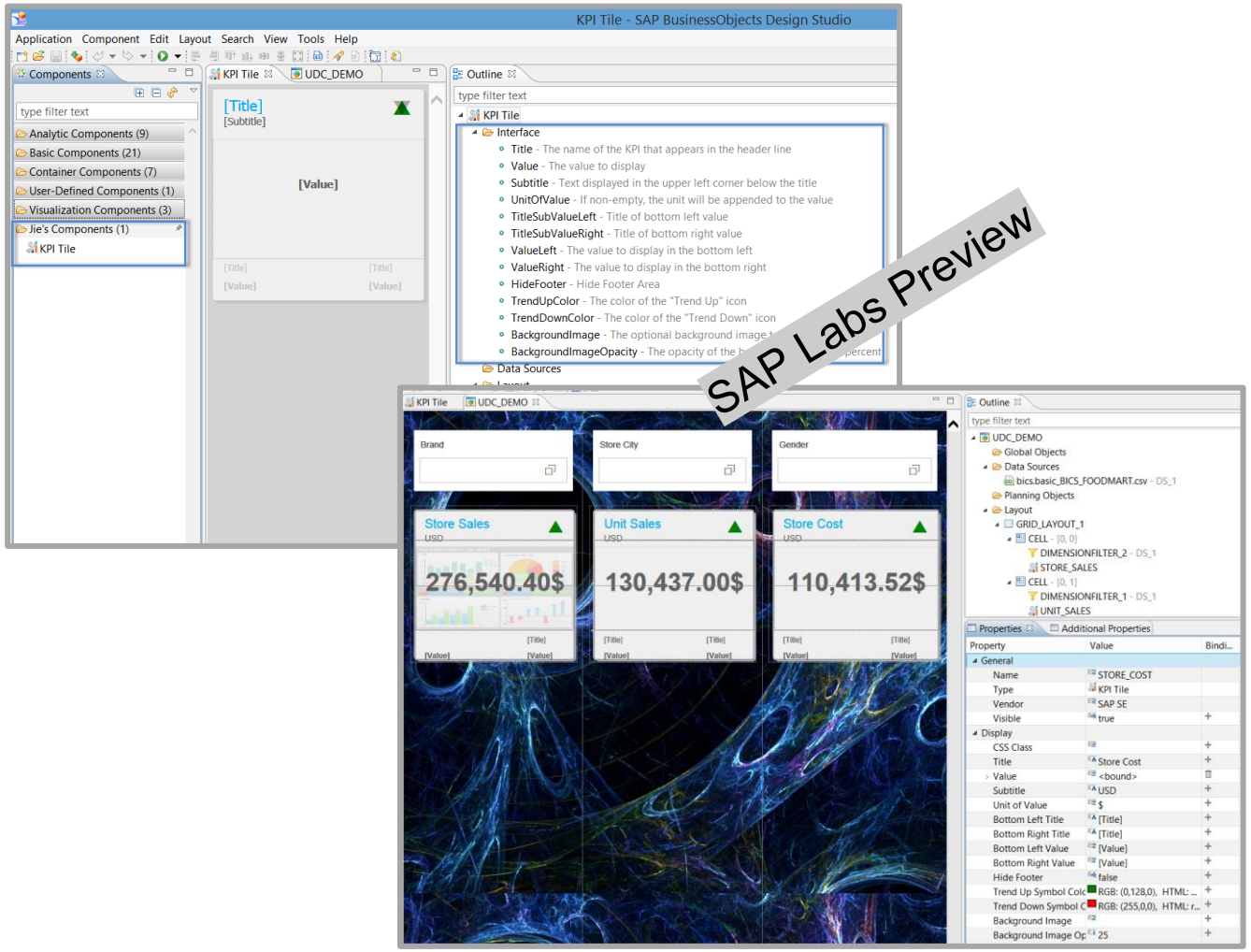
SAP BusinessObjects Lumira 2.0

Designer: Composites

Planned Innovations

Composites

- 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



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

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

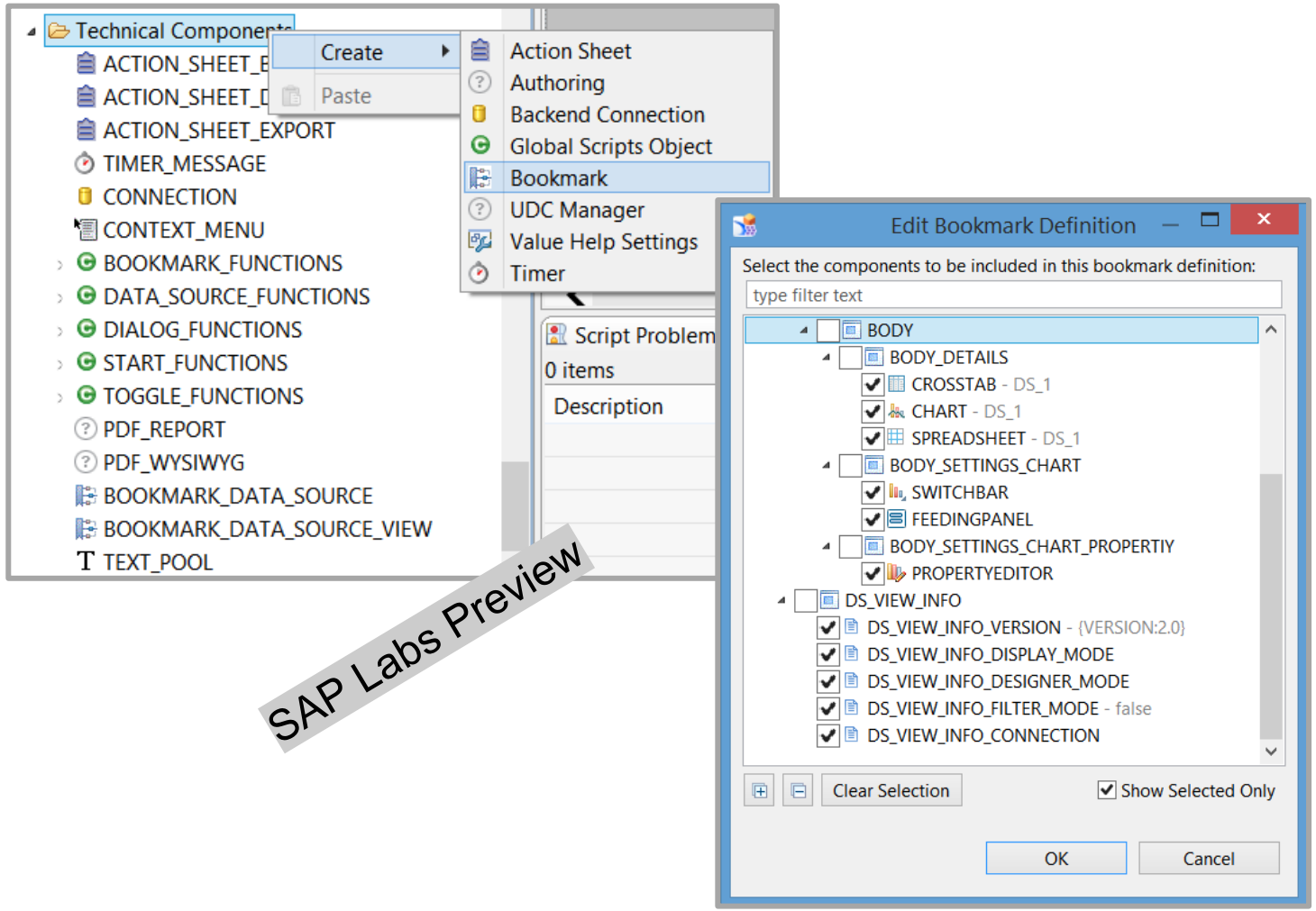
Planned Innovations

SAP BusinessObjects Lumira 2.0

Designer: Reworked Bookmark Concept

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
- Multiple Bookmarks can be defined within one application



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

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

Lumira 2.0 FAQ

Upgrade, Platform Support, Licensing etc.

SAP BusinessObjects Lumira 2.0

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

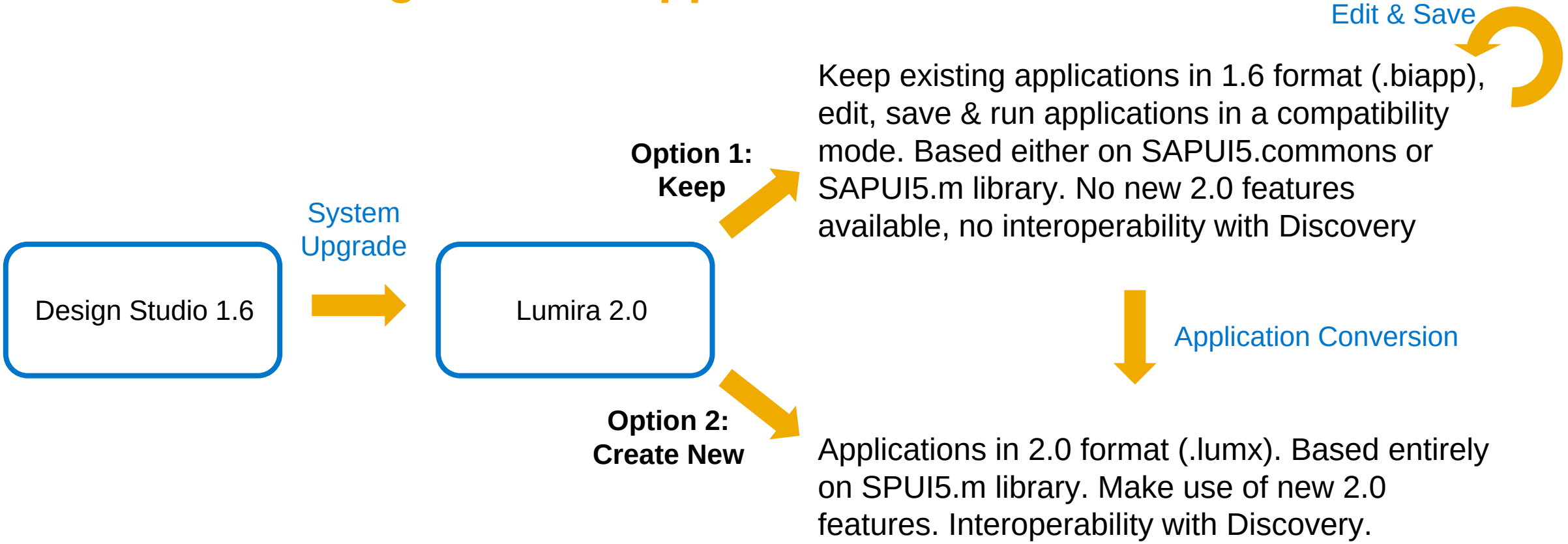
This is the current state of planning and may be changed by SAP at any time.

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

SAP BusinessObjects Lumira 2.0

Major Product Updates for Design Studio Customers

Design Studio Application Conversion Path



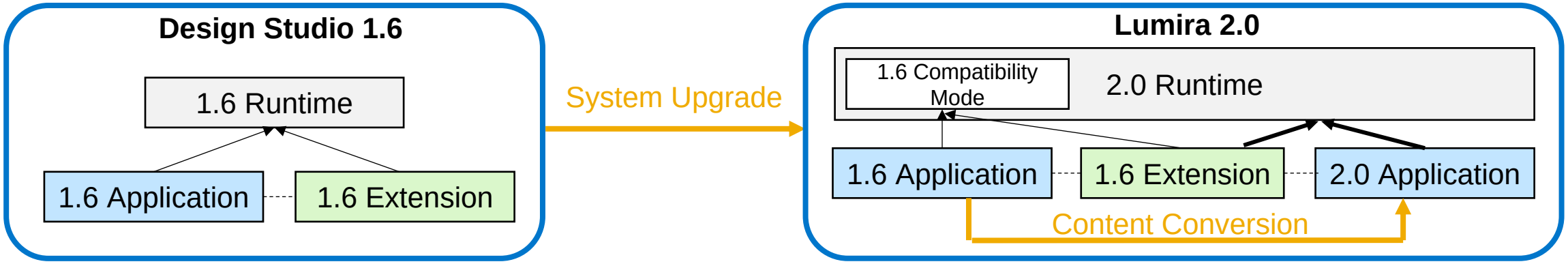
© 2016 SAP SE or an SAP affiliate company. All rights reserved.

SAP BusinessObjects Lumira 2.0

Major Product Updates for Design Studio Customers

Upgrade and Content Conversion

- The technical upgrade to Lumira 2.0 is independent from conversion of existing Design Studio 1.x applications
- All existing Design Studio 1.6 applications are expected to run just like in Design Studio 1.6, without any change for end-users, unless you deliberately decide to convert an application to the new 2.0 format to make use of new 2.0 features. Applications can be converted individually and at any point after the technical upgrade, application conversion is an automatic process supported by the system.
- All Design Studio 1.6 extensions (supporting m library) are expected to run in converted 2.0 applications (Designer Client)
- New 2.0 applications will be based on SAPUI5.m library components only, customers can prepare to convert applications based on the SAPUI5.common library today in Design Studio 1.6. Any missing components and features that might prevent a conversion today are planned for 2.0. For converted applications, customers should expect to update the stylesheets used, some edge cases in charts would need manual re-work.



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

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

SAP BusinessObjects Lumira 2.0

Major Product Updates for Design Studio Customers

Deprecated Options. Lumira 2.0 will not provide the following options any longer:

- Following the platform strategy, we will support only the deployment on BI Platform going forward (2.0+). As Lumira 2.0 is in general the full successor of Design Studio 1.6, the end of support for the 1.x line stays at the end of 2017, according to our maintenance strategy. However, to support customers using the NetWeaver or HANA deployments better in their transition to the BI platform deployment, we will extend the maintenance for those deployments of Design Studio until end of 2018.
- JDBC/SQL-based HANA connector. Following the HANA connection strategy, we will support only the HTTP/INA-based HANA connector
- 32-bit client
- Common library components. New 2.0 applications will be based on SAPUI5.m library

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

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

Lumira 2.0 and Licensing

No Planned Changes to License Entitlements

Customers with Design Studio 1.x and Lumira Server 1.x

- Lumira 2.0 discovery – **in**cluding new online access to BW and HANA
- Lumira 2.0 designer
- Lumira 2.0 server addon – **in**cluding future data preparation

Customers entitled to Design Studio 1.x but not Lumira Server

- Lumira 2.0 designer
- Lumira 2.0 server addon – **ex**cluding future data preparation

Customers entitled to Lumira Desktop only

No change – receive Lumira discovery component under maintenance, or repurchase if not under maintenance

- Lumira 2.0 discovery - **in**cluding new online access to BW and HANA (BW not supported with Lumira standard edition)

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

Lumira 2.0 Convergence

Will there be functional parity between Lumira 2.0 and Lumira 1.x?

For existing SAP Lumira customers, the only capability that we are aware of that will be missing in SAP BusinessObjects Lumira 2.0 compared to Lumira 1.x is the faceted Explorer-like view in the Visualize room. We will continue to have the faceted navigation view in the data preparation view of Lumira 2.0, but that won't be available in the equivalent of the Visualize room until a later release.

Will there be functional parity between Lumira 2.0 and Design Studio 1.x?

For existing SAP BusinessObjects Design Studio customers, we expect there to be 100% functional parity with SAP BusinessObjects Design Studio 2.0.

More TBD…

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

Lumira 2.0: Recommendations for BW Customers

Desktop, Web & Mobile

Analytical Applications on BW

Lumira 2.0

- Lumira Designer: Professional Environment for Designers & Developers to Create Purpose-Built Apps & Templates
- Planning Support, Mobile Support
- SDKs
- Robust & Enterprise Ready
- Turn adhoc dasboards into enterprise applications

AdHoc Analysis on BW

Lumira 2.0

- Lumira discovery: self-service BW data exploration both online & acquired data
- Lumira designer:
  - Custom build apps for business users

Business Objects Cloud

- Improved BW data access

Microsoft Office

Analysis, Edition for Microsoft Office

- IT / Developers, Data Analysts, Business Users
- Excel-based Analysis & Planning
- Integrated Roadmap with EPM Excel Client
- PowerPoint Integration
- Trusted Data Discovery with BW workspaces

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

Conclusion & Roadmap

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

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

Beyond Convergence

Ease of Use in Lumira 2.0

- ✓Consolidate visualize and compose room
- ✓Single canvas experience like BusinessObjects Cloud
- ✓Fiori-style look and feel
- ✓Improved input control and filtering experience
- ✓Fine grained control over chart elements – fonts & colors

Server side data preparation

- ✓Post 2.0, focus on adding data prep functionality to Lumira Server.
- ✓Eliminate the desktop dependency
- ✓Vision: Enable datasets created on Lumira Server to be consumed by any BusinessObjects client

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

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

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

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

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

- Use acquired data from Discovery as a data source in Designer
- Extend Discovery stories with Designer functionalities
- Personalize Designer applications and Discovery stories
- 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
- What-if analysis, 3rd party OLAP support (e.g. MSAS)

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

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

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

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

- Use acquired data from Discovery as a data source in Designer
- Extend Discovery stories with Designer functionalities
- Personalize Designer applications and Discovery stories
- 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
- What-if analysis, 3rd party OLAP support (e.g. MSAS)

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

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

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

Convergence Result

Planned as of Q1 2017

SAP BusinessObjects Lumira
SAP BusinessObjects Explorer
SAP BusinessObjects Analysis for OLAP
SAP BusinessObjects Design Studio
SAP BEX Web Application Designer
SAP BusinessObjects Dashboards

Lumira 2.x

Data Discovery & Applications

SAP BusinessObjects Analysis Office
Live Office
EPM Add-In
SAP BEX Analyzer

Analysis Office

Office Integration

SAP Crystal Reports
SAP BusinessObjects Web Intelligence
SAP BusinessObjects Set Analysis
Desktop Intelligence

Crystal Reports Web Intelligence

Reporting

Interoperability

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

BI Client Portfolio

Planned for 2017

Office Integration

SAP BusinessObjects Analysis, edition for Office

- For Financial Analysts and other business users
- Microsoft Office addin enables financial professionals and other business users to rapidly access, visualize, and analyze hierarchical data within Excel and PowerPoint.

Data Discovery & Applications

Discover, Analyze and Share

SAP Lumira 2.x*

- For Business Analysts, power users, and IT professionals
- Mashup relational data, rapidly create visualizations and build simple storyboards
- Add scripting and dynamic actions to simple storyboards
- Create sophisticated, dynamic analytic applications like planning front ends.
- Use the included templates to rapidly deploy self service analytics

Reporting

Distribute Formatted Information

SAP BusinessObjects Web Intelligence

SAP Crystal Reports

- Securely distribute information across your organization
- Answer new questions with predefined interactive reports
- Publish high volumes of personalized reports via email

*Planned functionality

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

Thank you

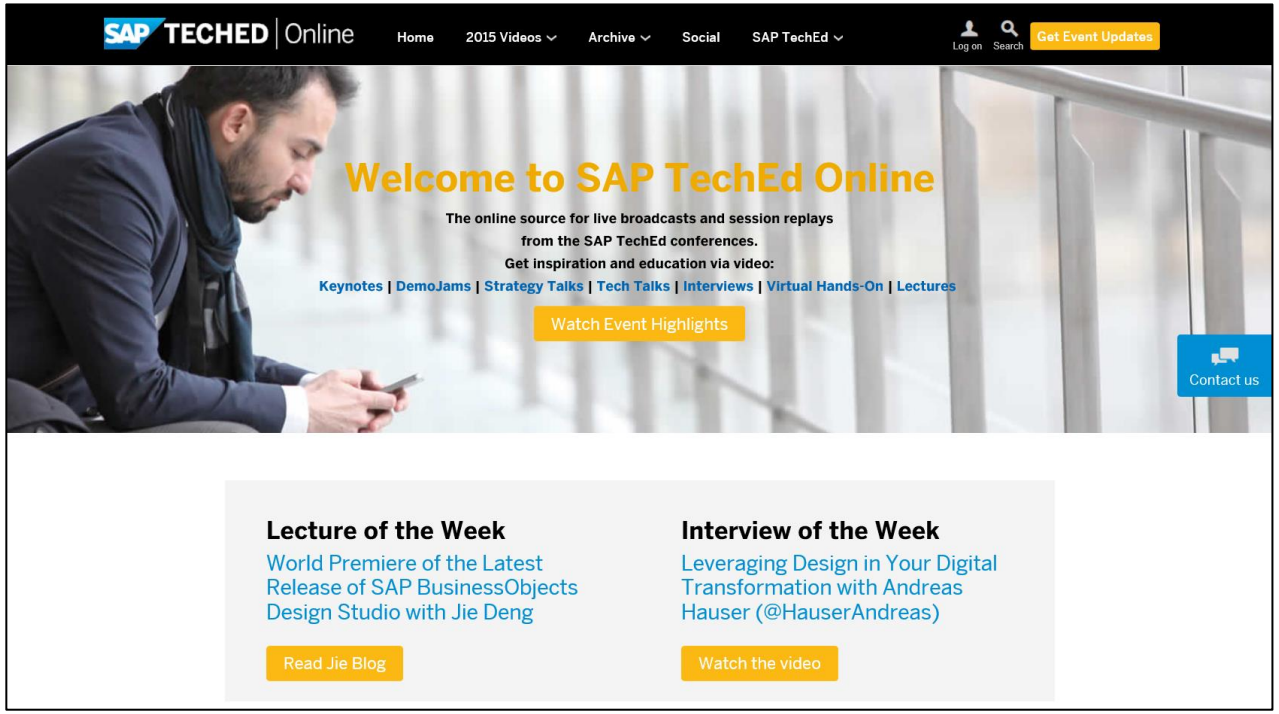
Contact

- Eric Schemer eric-.schemer@sap.com SAP Lumira Product Management

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

SAP TechEd Online

http://sapteched.com/online



Continue your SAP TechEd education after the event!

Access replays of

- Keynotes
- Demo Jam
- SAP TechEd live interviews
- Select lecture sessions
- Hands-on sessions
- …

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

Further information

Related SAP TechEd sessions:

ANP802 - Road Map Q&A: SAP BusinessObjects Lumira & Design Studio
ANP207 - ASUG Influence Council: SAP BusinessObjects Design Studio
ANP261 – SAP BusinessObjects Analysis – Experience the Edition for Microsoft Office
ANP115 – ASUG Influence Council: SAP BusinessObjects Analysis
ANP206 – Best Practices for Integrating SAP BusinessObjects BI with SAP BW

SAP Public Web

scn.sap.com
www.sap.com
http://scn.sap.com/community/businessobjects-analysis-ms-office

SAP Education and Certification Opportunities

www.sap.com/education

Watch SAP TechEd Online

www.sapteched.com/online

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

Feedback

Thanks for attending this session.

Please complete your session evaluation for **ANP100**.

Contact information:

Eric Schemer

eric.schemer@sap.com

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP SE or an SAP affiliate company.

SAP and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP SE (or an SAP affiliate company) in Germany and other countries. Please see http://www.sap.com/corporate-en/about/legal/copyright/index.html for additional trademark information and notices.

Some software products marketed by SAP SE and its distributors contain proprietary software components of other software vendors.

National product specifications may vary.

These materials are provided by SAP SE or an SAP affiliate company for informational purposes only, without representation or warranty of any kind, and SAP SE or its affiliated companies shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP SE or SAP affiliate company products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.

In particular, SAP SE or its affiliated companies have no obligation to pursue any course of business outlined in this document or any related presentation, or to develop or release any functionality mentioned therein. This document, or any related presentation, and SAP SE's or its affiliated companies' strategy and possible future developments, products, and/or platform directions and functionality are all subject to change and may be changed by SAP SE or its affiliated companies at any time for any reason without notice. The information in this document is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of their dates, and they should not be relied upon in making purchasing decisions.