SAP BusinessObjects Business Intelligence 4.1
One Strategy for Enterprise BI

May 2013
SAP’s Strategic Focus on Business Intelligence

- **Core**
  - Core for innovation
  - Complete BI suite
  - Continued leadership

- **Self-service**
  - Use by IT and departments
  - Fast time to value
  - Connection to the enterprise

- **Mobile**
  - First experience for BI
  - Content to point of impact
  - Expansion to untapped users

- **Extreme**
  - Big data
  - Real time
  - Predictive

- **Social**
  - Ability to capture the decision
  - Information in context
  - Ability to leverage the network

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**One Strategy for Enterprise BI**
One Strategy for Enterprise BI

☑️ One Suite for All Insight

☑️ One Place for All Information

☑️ One Standard for Enterprise BI
One Suite for All Insight

Unified and Highly Personalized

Powerful Visualizations

Faster more Accurate Decisions
One Suite for All Insight

**Unified and Highly Personalized**
- Improved interoperability and usability across the BI suite
- Deliver engaging information to users when and where they need it
- Create custom experiences with embedded analytic extensions

**Powerful Visualizations**
- Monitor your business with specialized charting and geospatial analytics
- Empower end users with industry focused visualizations and spatial analytics
- Detect outliers and discover areas to optimize your business

**Faster More Accurate Decisions**
- Create and consume BI content from any mobile device
- Empower teams to deliver collaborative decisions
- Simplified deployment to accelerate time to value
One Place for All Information

- Big Data Ready
- Scale and Power
- Speed to Deliver
One Place for All Information

**Big Data Ready**
- Support for Amazon Elastic MapReduce and Hadoop Hive
- Improved access to Oracle Exadata, Oracle OLAP and Oracle Essbase
- Enhanced workflow capabilities in conjunction with SAP HANA and BW

**Scale and Power**
- Immediate response time regardless of data volume
- Improved usability to build pervasive BI applications
- Integrate with SAP monitoring, lifecycle management, search, and user management

**Speed to Deliver**
- Enhanced design experience with new creation wizard and integrated data federation
- Automated universe deployment and lifecycle management
- Improved WebI report design performance against BW
One Standard for Enterprise BI

- Professional Grade BI Platform
- Quality Focused
- Superior Breadth of Ecosystem
One Standard for Enterprise BI

Professional Grade BI Platform

- For any size business, small to large
- For any type of deployment, on-premise or on-demand
- For anyone across the organization, individuals, teams, or department

Quality Focused

- Increased efficiency to enhance decision making capability and productivity
- Non-disruptive production delivery and information governance across the organization
- Simplified architecture for increased IT responsiveness

Superior Breadth of Ecosystem

- Open and agnostic suite of products that can leverage existing BI investments
- Supported by global best practices for enhanced adoption
- Enable speedy deployment with shortened time to value
SAP Business Intelligence
One Suite for All Insight

Build Engaging Experiences
• Deliver engaging information to users where they need it
• Track key performance indicators and summary data
• Build custom experiences so users get what they need quickly

• Discover areas to optimize your business
• Adapt data to business needs
• Tell your story with beautiful visualizations

Distribute Information
• Securely distribute information across your organization
• Answer related questions by interacting with pre-defined reports
• Build printable reports for operational efficiency
Self-service

Agility for business analysts and business users

- Discover trends, outliers and areas of interest in your business
- Adapt to business scenarios by combining, manipulating, and enriching data
- Tell your story with self-service visualizations and analytics
- Forecast and predict future outcomes

Portfolio

- Lumira
- Explorer*
- Analysis*
- Predictive Analysis*

* SAP BusinessObjects Explorer; SAP BusinessObjects Analysis; SAP Predictive Analysis
Dashboards and Apps
Build Engaging Experiences

Build engaging, visual dashboards

- Powerful environment to build interactive and visually appealing analytics
- Rich set of controls: buttons, list boxes, drop-down, crosstabs, charts…
- Use custom code to extend and build workflows

Portfolio

- Design Studio*
- Dashboards (aka Xcelsius)*

* SAP BusinessObjects Design Studio; SAP BusinessObjects Dashboards
High productivity design for report designers

- Quickly build formatted reports on any data source
- Securely distribute reports both internally and externally
- Minimize IT support costs by empowering end users to easily create and modify their own reports
- Enhance custom applications with embedded reports

Portfolio

- Web Intelligence*
- Crystal Reports*

* SAP BusinessObjects Web Intelligence; SAP Crystal Reports
BI Platform
Professional Grade

Self-service
Dashboards and Apps
Reporting

Business Intelligence Platform

Universe Semantic Layer

ERP
SAP Business Suite
Oracle E-Business Suite
TeraData
JD Edwards

EDW
SAP NetWeaver BW
Other data warehouses

Oracle, IBM DB2,
Microsoft SQL Server
and other relational data
sources

SAP HANA Platform

MS Excel
Unstructured data in
Social Media and
Hadoop
OLAP Cubes
<table>
<thead>
<tr>
<th><strong>4.1</strong></th>
<th><strong>Focus on quality and innovation deserving of a professional grade BI platform</strong></th>
<th><strong>Core stability and capability improvements from new innovations to incremental product advances from 4.0 to re-introduced features from XI3</strong></th>
<th><strong>All existing XI R2 and XI3 customers can migrate to this newest platform of SAP’s BI Suite</strong></th>
<th><strong>New capabilities around self-service, dashboarding and mobile BI</strong></th>
<th><strong>Support of both net new and updated platforms</strong></th>
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<tbody>
<tr>
<td><strong>First point release of SAP’s market leading Business Intelligence Suite</strong></td>
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Features by product areas

SAP BusinessObjects BI platform
- Core BI platform
- Self-service access to SAP BusinessObjects BI (BI launch pad)
- BI Workspaces
- Semantic Layer

SAP BusinessObjects BI client tools delivered with BI 4.1
- SAP BusinessObjects Crystal Reports for Enterprise
- SAP BusinessObjects Web Intelligence
- SAP BusinessObjects Explorer
- SAP Business Objects Dashboards
- SAP BusinessObjects Analysis, edition for OLAP

SAP BusinessObjects BI clients supported by BI 4.1
- SAP Lumira Desktop
- SAP BusinessObjects Analysis, edition for MSFT Office 1.4
- SAP BusinessObjects Design Studio 1.1
- SAP Business Objects Mobile BI 5.0
- SAP BusinessObjects Desktop Intelligence 3.1 SP6  FP6.1
BI 4.1 Suite Install Packages (Platform and Clients)

- **BI 4.1 will be available as a full install and update install**
  - Full install: can be used for first time installation or side-by-side installation
  - Update install: can be applied on existing 4.x environments

- **First time installs can done using the BI 4.1 full install package**

- **Existing deployments:**
  - **Supported upgrade scenarios (upgrading from previous major version [XI R2 or XI R3])**
    - Full install package
  - **Supported update scenarios (updating from current major version [XI 4.x])**
    - Update install package
BI 4.1 Supported Upgrade Scenarios (from XIR 2 and XI 3)

- **Separate Environments (recommended)**
  - Install BI 4.1 [Full install package] on a separate server
  - Use Upgrade Management tool to upgrade content to BI 4.1

- **Side-by-Side Install**
  - BI 4.1 [Full install package] can be installed on the BOEXIR2 SP2 or BOE3.x Server, provided:
    - Server OS is 64-bit, and
    - Meets BI 4.1 install prerequisites

NOTE: There is a direct upgrade path for migrating and upgrading content from XIR2 SP2 and XI 3.1 to 4.1
- Use Upgrade Manager Tool to upgrade content to BI4.1
BI 4.1 Supported Update Scenarios (from BI 4.X to BI 4.1)

- **In Place update install package**
  - Update BI 4.0 deployment (overwrites binaries)

- **Separate Environments**
  - Install BI 4.1 on a separate server, and migrate content
  - Use lifecycle management capabilities in the CMC to migrate content to BI 4.1 system

NOTE: For large systems batches of 100 objects per promotion is recommended
BI platform

- Core BI platform
- Self-service access to SAP BusinessObjects BI (BI launch pad)
- BI Workspaces
- Semantic Layer
SAP BusinessObjects BI platform
Core BI platform (1/2)

Lower Total Cost of Ownership through BI Platform Administration Improvements

System Configuration Wizard

• Simple workflow to accomplish initial server configuration of the BI system
• Command line facility to enable programmatic configuration

Upgrade Management Tool enhancements

• Enhanced service dependency checking prior to upgrade
• Simplified process to migrate 3rd party authentication type (AD, LDAP, SAP) users, eliminating the need to remap user groups on target system

Multitenancy

• Recording tenant ID in auditing data
• Ability to restrict concurrent logon session per tenant
• Multitenant provisioning tool enhancement to support unx universe

Single sign-on to HANA

• Enable single sign-on from BI client tools to HANA via SAML
SAP BusinessObjects BI platform
Core BI platform (2/2)

Supportability

- Ability to trigger Java server thread-dump from Solution Manager
- Improved visibility to server status in case of error
- Error message improvements
- Software version is represented consistently and easily observable

RESTful Web services

- Single sign-on with Active Directory authentication or Trusted authentication
- JSON format support
SAP BusinessObjects BI platform
Self-service access to SAP BusinessObjects BI (BI launch pad)

Make better decisions as a team by sharing opinions and information about BI content

Collaboration enhancements

• Ability to collaborate on document instance
• Ability to collaborate while viewing BI document in the viewer
• New security right to manage who can collaborate on the BI content
• Collaboration service powered by SAP Streamwork or SAP Jam

Document upload workflow enhancement

• Ability to replace existing document when uploading 3rd party documents
SAP BusinessObjects BI platform

BI Workspaces

Streamlined information consumption by centralizing and personalizing regularly accessed information and analytics needed for daily work activities

**BI Workspaces**

- Adding support for background image and/or color
- Adding support for Explorer documents
Enhanced support for SAP data sources
- Improved BW access performance for client design time
- Authored relational Universe on limited set of BEx queries
- Direct access to HANA views (transient MDX universe, Crystal Reports for Enterprise only)
- Consume HANA features (variables, input parameters, hierarchies, units of measures)
- Automatic generation of universe on one or multiple HANA views with dynamic choice of the best view at runtime
- Improved access to ERP (optional parameters and enhanced automatic universe generation)

New agnostic sources
- Teradata 14, Oracle Exadata, Hadoop on Amazon EMR, oData, XML, Web Services

Important Information Design Tool (IDT) improvements
- Data federation in IDT: support for federated tables
- Improved user experience

Semantic layer SDKs
- Extended version of the SL authoring SDK (includes universe creation)
BI clients delivered with BI 4.1

- SAP BusinessObjects Crystal Reports for Enterprise
- SAP BusinessObjects Web Intelligence
- SAP BusinessObjects Explorer
- SAP BusinessObjects Dashboards
- SAP BusinessObjects Analysis, edition for OLAP
Introducing more efficient workflows and features focused on reducing time to create and format reports

**Freehand SQL command object**
- Customize the SQL to optimize the query to relational data sources

**Verify database options**
- Ensure the report query reflects the modifications to the underlying data source
SAP BusinessObjects Crystal Reports for Enterprise

Data Sources

Enhanced performance and reliability is provided in BI 4.1 when accessing BEx queries through Crystal Reports

**Enhanced SAP BW integration**
- Persist variable values in query panel and consume in HTML viewer
- Level selection for BW Hierarchy Variable
- Level selection based on relative depth for BW Hierarchy Variable
- Variable selection before query panel display
- Toggle between technical name vs. member caption for BW variables

**Enhanced SAP ECC support**
- Support SAP ECC’s optional parameters with no default value when access through an authored universe

**Enhanced SAP HANA support**
- Authored relational universe
- Direct OLAP access to Analytic and Calculated views including hierarchies and variables
- Direct access through JDBC and ODBC
- Support for JDBC SSL

**Authored universe support for XML and OData**
SAP BusinessObjects Crystal Reports for Enterprise
Mobile, Viewers and OEM

Other enhancements
- Chunking list of values in HTML viewer
- Default view action in BI launch pad

OEM/Developer
- Allow application developers to use OpenDoc API with very long URL
- Support for OpenDoc POST request
SAP BusinessObjects Web Intelligence
Developer Support

Provide RESTful Web services API and UI customization options

RESTful Web services additional APIs
- Consumption workflows of Web Intelligence document
- Data sources and data providers workflows
- Document authoring workflows
- Scheduling workflows

UI customization
- Personalized Web Intelligence clients
- Customization per user group in CMC
- Customization of UI elements and actions
Enhanced user experience in reporting capabilities

**Freeze Header**
- Keep table rows or columns visible while scrolling
- User defined number of first rows or columns to freeze

**Custom color palettes and color assignment**
- Creation and edition of custom palettes to manage chart coloring
- Color assignment improvements

**Measure delegation**
- Auto-refresh option at server & document level
- Reduce #unavailable by delegating measure calculation when given against a simple formula

**Merged Objects**
- Can add/remove object to a merged object
- Allow merged objects with hierarchy

**Usability enhancements**
- Report header/footer properties re-organization
- Fold/unfold on table in reading mode in HTML
- List of value (LOV) selector in formula editor
- Single query execution in query panel
SAP BusinessObjects Web Intelligence
Data source support enhancements

Enhanced workflow for HANA, BW and others data sources

**Enhanced SAP BW integration**
- Level selection for BW Hierarchy Node Variable
- Level selection based on relative depth for BW Hierarchy Variable
- Variable selection before query panel display

**Enhancements for HANA support**
- Query stripping

**Enhancements for other sources through universes**
- Support ERP optional parameters with no default value
- OLAP connection overload
- Query stripping

See [this presentation](#) for more details on what’s new in Web Intelligence 4.1.
Explorer 4.1 allows user to create Information Space on top of both universes UNV + UNX.
Explorer improved workflows:

**Free Facets**
- You now have the ability to define if you would like to enable “Optimization” for an Information space.
- In that case, opening an exploration becomes instantaneous.

**Real Time Datasources (HANA)**
- Better understand when data has been refreshed.
- User can force the refresh to retrieve the last minutes updates.
Explorer now offers a tool to help Manage Space administrator:

**Change Datasource:**
- Change the original datasource to a production or another more up-to-date datasource
- Keep your Information Space definition
- Keep all eViews relying on your Information Space
SAP BusinessObjects Dashboards
General information

• Please navigate to the SAP BusinessObjects Mobile section of this presentation for details on the enhancements to Dashboards for mobile consumption.

• Please refer to the Choosing the Right SAP BusinessObjects BI Client presentation for more information about when to use SAP BusinessObjects Dashboards and when to use SAP BusinessObjects Design Studio for a dashboarding project.
SAP BusinessObjects Dashboards
Download online dashboards for offline sharing on desktop

Offline support for flash dashboards
• In Designer, turn on offline support by checking "Allow This Dashboard to be Used Offline"
• During runtime, right click on Dashboards, and click "Download dashboard with current data to local"
SAP BusinessObjects Dashboards
Dynamic Positioning of Components

- Support binding x, y position of components in Text, Containers, Web/Universe Connectivity, Art and Backgrounds categories
- Support binding width, height of components in Art and Backgrounds category
SAP BusinessObjects Dashboards

Accessibility

- Support assistive technology
- Run dashboard (flash) and navigation among controls with keyboard
- Keyboard navigation can be made among below components
  - Buttons (Query Refresh /Connection Refresh/Push/Toggle/URL/Print/Reset)
  - Combo box
  - Scorecard
  - Text input

Enable this option to prevent assistive technologies such as screen readers from accessing the contents of the model. In general, do not enable this option for a model unless you plan to provide a more accessible alternative for those using assistive technologies.

Note: The "Input Text", "Combo Box", "Scorecard", and certain Button components are designed to support screen readers. For more information, contact SAP Accessibility

The model Name and Description below will be exposed to screen readers, regardless of whether
Charts name change for suite consolidation

- Combination Chart -> Column Line Chart
- Bubble Chart -> Bubble Plot
- XY Chart -> Scatter Plot
Enhanced SAP BW integration

- Enhanced Prompt Dialog to allow easy processing of large numbers of prompts
- Added support for consuming and creating SAP BW variants
- Prompt Merging
- Manual entry of Prompt Values
- Report-Report Interface
- Visualize Conditional Formatting defined in the BEx Query
- Enhanced Conditional Formatting options
- Enhanced OpenDocument with support for passing in SAP BW prompt values

Sharing

- Export to Design Studio for mobile device rendering
- Empower business analysts to share their data via “mini” applications

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

- Oracle Essbase 11
- Oracle OLAP (4.1 SP1)

Enhanced HANA integration

- Support for Hierarchies
- Support for Prompts

Simplify and Expand Analysis

- Custom Grouping for Microsoft SQL Server Analysis Services and Oracle Essbase
- Filter by Measure for Microsoft SQL Server Analysis Services and Oracle Essbase
- Expand to Level
- Waterfall Charts

Waterfall Charts in Analysis

Custom Hierarchies with Custom Grouping

This is the current state of planning and may be changed by SAP at any time.
Right-to-Left Support
SAP BusinessObjects BI platform and SAP BusinessObjects client tools

SAP BusinessObjects Web Intelligence -
*Web Intelligence Rich Internet Application &
Web Intelligence Rich Client*
- Mirrored user interface
- Bi-directional text support
- Right-to-left rendering

SAP BusinessObjects Analysis, edition for OLAP
- Mirrored user interface
- Bi-directional text support
- Right-to-left rendering

SAP BusinessObjects Crystal Reports for
Enterprise and Crystal Reports 2012 –
*HTML viewer*
- Mirrored user interface
- Bi-directional text support

BI Launch pad
- Mirrored user interface
- Bi-directional text support

BI Workspaces – *View mode*
- Right-to-left support within the current iOS framework
- Right-to-left objects rendered right to left

SAP BusinessObjects BI Mobile
Integration of BI Suite with SAP NetWeaver BW & SAP ERP

Authored Universes on BEx queries
- Authored relational Universe on limited set of BEx queries for SAP Crystal Reports for Enterprise, Web Intelligence, Dashboards, and Explorer
- SAP BW 7.3 is required

Design time performance
- Performance improvement in the design time user experience for reporting on top of SAP NetWeaver BW in SAP Crystal Reports for Enterprise and Web Intelligence

Prompting
- Merge prompts from multiple SAP NetWeaver BW queries into one prompt list so prompt values are entered once in Analysis OLAP

Variable Variants
- Save and use public and private stored prompt values collection in Analysis OLAP and Design Studio

Scheduling and publications
- Broadcast and publish of Analysis Office workbooks via the SAP BusinessObjects BI platform

This is the current state of planning and may be changed by SAP at any time.
BI clients supported by BI 4.1

- SAP Lumira Desktop
- SAP BusinessObjects Analysis, edition for MSFT Office
- SAP BusinessObjects Design Studio
- SAP Business Objects Mobile BI
- SAP BusinessObjects Desktop Intelligence
SAP Lumira Desktop SP10
Empowering the business analyst

Scope

- **Enhance data manipulation capabilities**
  - With better merge functionality, replay manipulation steps & improved formula editor
- Extend Acquisition to more data sources & support different data formats during acquisition
- Empower end users to customize charts, add conditional formatting and create simple user defined views without scripting or coding
- Annotate & share your results at a click of a button on-premise or on the cloud.

Key benefits

- Extend the reach of SAP VI users in an enterprise
- Enhance the features and invest more in SAP HANA
- Bolster customer’s investments in SAP BusinessObjects
SAP BusinessObjects Analysis, edition for MSFT Office 1.4
OLAP analysis in Microsoft Excel

Integration with Design Studio
Auto generate iPad and web apps through Design Studio

Enhanced BI Platform Support
Single Sign-On and LCM
Save Analysis content as BI InfoObject (instead of Excel/PowerPoint format)

Innovation
Waterfall Charts

Continuous Improvements
Broadcasting via BI Platform (delivery planned for BI 4.1 GA)
Launch Query Designer
Read mode, Versioned/time-dep hierarchies, de-/activate hierarchies, Data Refresh, Member selector for mass data (note 1824726)
SAP BusinessObjects Design Studio 1.1
Enhanced Charting Capabilities

Animated HTML5 Charts

- Animated HTML5 chart types
- New chart types: Column Combination, Bar Combination and Waterfall Charts
- Advanced properties view to edit chart areas, data series and data labels
- Each theme has the corresponding color palettes
Comfortable align and distribute components in layout

- Convenient for designers to organize components without writing exact margin
- All type of components can be aligned and distributed
- Components within the same container or under the same root can be aligned and distributed
- Components can be automatically maximized
- Alignment and distribution can be done via context menu in Layout or per buttons in Design Studio menu

Objects are aligned left based on the object which has the most small left margin

Object in the middle will be moved to the center.
SAP BusinessObjects Design Studio 1.1
Enhancements for Component Filter Panel

More convenient to use filter panel for selecting data

- Member display could be defined with key, text or both
- On Submit event enables triggering interactions
- Dimension name could be hide or shown
- Ranges are able to be defined in addition to the multiple selection of members
- Defined ranges and selected members could be deleted, included or excluded

Design Time in the property sheet

![Design Time in the property sheet](image1)

Runtime

![Runtime](image2)
Custom Stylesheet (CSS)

- Using custom CSS to adopt customer corporate identity
- Changing the look and feel possible for every standard components
- Defining CSS document with CSS 3 standard
- Assigning CSS documents to design studio application
- Assign CSS class to the Design Studio components
Global parameters for Design Studio application

- Defining global parameter on application level
- Global parameters can be passed through URL (RRI scenarios)
- Use cases (e.g.):
  - Passing through parameters for data selection
  - Passing through an exception limit for exception calculation
**Additional APIs for data calculation**

- Define Local variables
- Support mathematical calculation in script editor
- Command „getData“ can retrieve the data from backend systems and represent it in 4 different ways (value, text, scaling factors and unit of measure)
- Conversion between different data formats possible
SAP BusinessObjects Design Studio 1.1
Interoperability scenario with Analysis, edition for OLAP

Generate Design Studio applications from A. OLAP workspaces
- Export A.OLAP analysis workspace as design studio application for mobile devices or desktops
- Design Studio applications are stored on BI Platform
- Filter member values are taken over from A. OLAP analysis workspace to Design Studio applications
- Further editing generated Design Studio applications within eclip-based design enviroment

A. OLAP Analysis Workspace

Generated iPad application with 2 pages with pre-set filter values
SAP BusinessObjects Design Studio 1.1
Deployment Options

**SAP BI Platform**
- Available as of Design Studio release 1.0
- Design Studio applications stored on BI Platform
- Backend connections through CMC, can connect to multiple SAP BW and SAP HANA systems
- Transportation via Promotion management
- Pre-requisite for SAP BI Mobile

**SAP NetWeaver**
- Available as of Design Studio release 1.1
- Design Studio applications stored on SAP BW
- Transported through different systems via TLOGO objects (ABAP transport mechanism)
- Can only connect to one BW system
- SAP Portal mobile solution is planned

**Local mode**
- Available as of Design Studio release 1.0, only for demo or quick prototyping purpose
SAP BusinessObjects Design Studio 1.1
Deployment Options: BI Platform and SAP NetWeaver

Deployment Options
BI Platform
SAP NetWeaver (as of version 1.1)
SAP BusinessObjects Mobile 5.0

SAP BusinessObjects Explorer Mobile and SAP BusinessObjects Mobile integrated into single application

- Listing of Information spaces and exploration view set with in home screen
- Listing of Personal Space and bookmarks
- Ability to launch exploration view set or information space

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

- SAP Jam Integration (Collaboration tool)
- BI Inbox support
- Ability to attach voice while annotating

Enhanced Sybase Unwired Platform (SUP) Support

- SUP 2.2 support
- SUP cloud support

Tighter Device Integration

- QR Code Scan (QR code to share document or connection details)
- Barcode scan (to fill input control, prompts and search toolbar)

New Home Screen

Support for SAML2 deployments

This is the current state of planning and may be changed by SAP at any time.
Customization SDK
- Font customizations
- Home screen customizations
- Default connections
- White labeling support

Extension SDK
- Replacing Apple Map Viewers and extending Map capabilities
- Allow extending charts via extension SDK

See this document for more details on what’s new in the Mobile BI SDK.
SAP BusinessObjects Mobile 5.0
Web Intelligence & Crystal Reports specific enhancements

**WebI Chart Enhancements**
- New Chart types
  - Dual axis chart & 100% stacked bar
- Report element linking support for Bubble, Waterfall and H-Bar chart
- Custom axis scaling support
- Chart title background support
- Bar microcharts support
- Color customization support for microcharts
- Reverse bullet chart support
- Custom Palette support

**WebI Geomap Enhancements**
- Support for iPhone
- Disable dimension/measure listing if only one dimension and measure is available
- Centring POI for Geomaps
- Allow multi select in dimension values in geo map view

**WebI OpenDoc Enhancements**
- Latest instance support for user & prompts

**WebI Prompts Enhancements**
- Support for Multi-column LOV’s

**WebI Support of PDF**

**WebI Table Enhancements**
- Support for font styling in Tables and Free cells
- Geomap type popover UI for tables
- Copy text from table

**Crystal Reports**
- OpenDoc support for Crystal reports so that destination document opens within container
SAP BusinessObjects Mobile 5.0
Design Studio specific enhancements

**Design Studio**

- Support for iPhone
- Hide tool bar
- Enable launching OpenDoc URLs from within Design Studio Apps
- Lock orientation for apps
- Consume Analysis, edition for OLAP content to enable mobile device rendering
SAP BusinessObjects Mobile 5.0
Dashboards specific enhancements: more charts

More Charts for Mobile Dashboards

- Waterfall Chart
- Bubble Slot

Waterfall Chart

Bubble Plot
SAP BusinessObjects Mobile 5.0
Dashboards specific enhancements: extended charting capabilities

Added HTML Chart Data Label support for mobile
- Line Chart
- Column Chart
- Bar Chart
- Stacked Column Chart
- Stacked Bar Chart
- Column Line Chart
- Waterfall Chart
- Bubble Plot

Dynamic positioning
- Label
- Arts
- Single values
SAP BusinessObjects Mobile 5.0
Dashboards specific enhancements: extended connectivity

Support Query As a Web Services (QaaWS) Connection
- Includes offline support

Connection Refresh button
Flash Variables support for Mobile Dashboards

- XML format Flash Variable
- CSV format Flash Variable
- Configurable on CMC
- Pass Flash Variable through openDocument URL
- Pass Flash Variable in “SAPBI” format
- Flash Variable can be used as the source of other connections
Design one mobile dashboard for both Android and iOS
Partners can develop HTML5 Add-On component/connection/formula for Mobile (HTML5) dashboards.
JavaScript Add-On SDK

- Create Add-On components, connections and formulas for mobile dashboard with JavaScript
Add-On Package

- Package Add-On components, connections and formulas for mobile dashboard
- Delivered with SDK Packager
- Add-on samples
Add-On Manager

- “Mobile Support” flag
SAP BusinessObjects Desktop Intelligence 3.1 SP6 FP 6.1
Web Intelligence is the way forward

Scope

- Consumption of Deskl content in BI 4.1 using Desktop Intelligence 3.1 client
- SAP BusinessObjects Enterprise 3.1 SP6 FP6.1 will provide the Desktop Intelligence client the capability to connect to a BI 4.1 CMS
- SAP BusinessObjects Enterprise 3.1 EoL timelines are still applicable on Desktop Intelligence

Key benefits

- Important and critical Desktop Intelligence documents can be stored in BI 4.1
- Customers gain additional time to convert Desktop Intelligence documents while on BI 4.1
- Reduced TCO, as customers can retire SAP BusinessObjects Enterprise 3.1 completely
SAP BusinessObjects BI 4.1
Summary of new features

- Simplified deployment and migration tools
- More Multi-tenancy features
- RTL in CR, WebI, Launchpad & Mobile

- Single Sign-on
- Automatic universe generation on HANA views
- Crystal Reports direct access to Analytic & Calculated Views incl. hierarchies & variables

- Oracle Exadata, Oracle OLAP, Oracle Essbase, Hadoop on Amazon Elastic MapReduce, Teradata 14, Teradata OLAP, OData, XML, Web Services

- Variable Variant Support (A OLAP, Design Studio)
- Publishing (A Office)
- Convert analysis to Mobile (A OLAP, A Office)
- Combine Universes with BEx Queries to abstract the field names

- Offline mobile and desktop dashboards
- More visualizations

- RESTful Services, SL Authoring, WebI, Mobile, Mobile Dashboards, etc.
High Level Timeline

2013

Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sep  | Oct  | Nov  | Dec

BI 4.0 SP06

BI 4.0 SP07

BI 4.1

BI 4.1 SP01

GA Apr 30

Final Validation

RTC May 10

Final Validation

Final Validation

Ramp-up (KPI based)

Final Validation

Final Validation

Date KPI based

GA Date KPI based

Date KPI based

GA Date KPI based
Key Links

• Getting Started with SAP BusinessObjects BI Solutions

• BI4 Upgrade Resources

• How to Select the Right BI Tool for Your Environment

• Sizing and Deploying SAP BusinessObjects BI4

• eLearning product tutorials

• Road Maps on SAP Service Marketplace

• SAP’s Release Strategy for Major Releases of SAP BusinessObjects BI
Thank You
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