SAP BusinessObjects BI 4.1 Upgrade
One Strategy for Enterprise BI

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Agenda

Analytics solutions from SAP

SAP’s strategic focus on Analytics Solutions
• One Strategy for Enterprise BI

SAP BusinessObjects BI 4.1
• What’s different
• What’s New
The Reality of the Internet of Everything

- 1 billion Facebook users
- 4 billion YouTube views per day
- 15 billion web-enabled devices
- Data doubles every 18 months
- 5 billion in emerging middle class
Unlocking the value of “Dark Data”

- Use Analytics Today: 10%
- Need Analytics by 2020: 75%

- Missing new insights
- Not utilizing all the information out there
- IT is not agile enough and the business wants to get involved
- Ability to manage and consume all data is getting harder

= Not leveraging the power of collective insight
How Analytics Need to Evolve to deliver Collective Insights

Raw Data
Cleaned Data
Standard Reports
Ad Hoc Reports & OLAP
Agile Visualization
Self Service BI
Generic Predictive Analysis
Predictive Modeling
Optimization

What happened?
Why did it happen?
What will happen?
What is the best that could happen?

User Engagement
Maturity of Analytics Capabilities

End-to-end
Easy adoption
Fast implementation
Business focused
Enable storytelling

Collective Insight
Maturity of Analytics Capabilities
Analytics solutions from SAP

Engage
Cloud

Visualize
Agile Visualization
Big Data

Predict
Advanced Analytics

Real-time Platform
Enterprise Business Intelligence

Collaboration

Mobile
SAP’s strategic focus on Analytics Solutions

Enterprise BI
- Ubiquitous BI for all users and landscapes
- Consistent experiences
- Scalability, security, and integration

Agile Visualization
- Extend analytics throughout your organization and beyond
- Next generation visual analytics
- Contextual BI

Advanced Analytics
- Against more data and processes
- Run in Real-time
- Open and flexible (R, Hadoop, all data)

Innovation without disruption
One Strategy for Enterprise BI

☑️ One Suite for All Insight

☑️ One Place for All Information

☑️ One Standard for Enterprise BI
SAP Analytics Solutions
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
SAP Analytics Solutions
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
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 Analytics Solutions
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

Agile Visualization


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

Dashboards and Apps

Distribute Information

- Securely distribute information across your organization
- Answer related questions by interacting with pre-defined reports
- Build printable reports for operational efficiency
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
PeopleSoft
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
SAP BusinessObjects BI 4.1
What’s different about this release?

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

- SUP 2.2 & SUP cloud support
- QR Code & Barcode Scan Support
- Android for WebI & Dashboards
- Single Sign-on
- Automatic universe generation on HANA views
- Crystal Reports direct access to Analytic & Calculated Views incl. hierarchies & variables

- 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)

- Offline mobile and desktop dashboards
- More visualizations
- RESTful Services, SL Authoring, WebI, Mobile, Mobile Dashboards, etc.
BI platform
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 unix universe

**Single sign-on to HANA**
- Enable single sign-on from BI client tools to HANA via SAML
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
Enhanced support for SAP data sources

- Improved BW access performance for client design time
- 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 and updated 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)
Support for new data sources

**Big Data Ready**
- Hadoop with Hive on Amazon EMR

**New non-relational sources**
- oData
- XML and web services (SOAP)

**New relational sources**
- Teradata 14 / SSO for Teradata
- Oracle Exadata
- SQL Server 2012
- DB2 10 for zOS via JDBC, DB2 for zOS 10.1, DB2 LUW 10 & 10.1, DB2 for i v7.1
- Sybase ASE 15.7, SSO for Sybase IQ
- Oracle via ODBC (in addition to OCI and JDBC)
- PostgreSQL 9
- Greenplum 4.1 & 4.2

**All together**
- 13 vendors
- 30 sources (plus the generic drivers)
- Several versions
A total of 191 possible combinations
Deploy to Arabic countries

Right-to-left user experience

- Arabic locale triggers right-to-left user interface for WebI, Crystal, BI Launchpad and mobile
- Document created in Arabic locale reads right-to-left

Arabic support

Hebrew support coming in 4.1 SP3
BI clients delivered with BI 4.1
SAP BusinessObjects Web Intelligence
Core enhancement

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
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
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
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**
BI clients supported by BI 4.1
SAP BusinessObjects Mobile 5.0
Dashboards specific enhancements: Android device support

Design one mobile dashboard for both Android and iOS

- Android OS 4.0 and above
- BI Platform 4.1 and above
- 7" and 10.1" Tablets
SAP BusinessObjects Mobile SDK

**Customize**
Branding
Onboarding
Customize product features

**Extend**
Extend the application with new charts and visualization

**Integrate**
Integrate with the 3rd party security tools to enforce the corporate policies and enhance security

**Distribute**
Distribute through Enterprise App Store, MDM tools or upload the customized app to App Store
SAP BusinessObjects Mobile 5.0

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.
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
- Oracle Exadata, Oracle OLAP, Oracle Essbase, Hadoop on Amazon Elastic MapReduce, Teradata 14, Teradata OLAP, OData, XML, Web Services
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- Crystal Reports direct access to Analytic & Calculated Views incl. hierarchies & variables
- RESTful Services, SL Authoring, WebI, Mobile, Mobile Dashboards, etc.

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Key Links

- sap.com/upgradebi
- sap.com/learnbi
- sap.com/bivirtualization
- sap.com/bisizing
- service.sap.com/roadmap

- How to Select the Right BI Tool for Your Environment (http://scn.sap.com/docs/DOC-38981)
- SAP’s Release Strategy for Major Releases of SAP BusinessObjects BI
Partner Solutions: APOS

Migration Accelerator Products

- APOS Converter for BI 4 Universes
- APOS Migrator for BI 4 Web Intelligence
- APOS Migrator for BI 4 Crystal Reports
- APOS Storage Center for Migration
- APOS Publisher for the DCP

SAP BI 4 Migration – Webinar Series

- Planning the BI 4 Migration Process
- The Business Case for Migrating to BI 4
- The Semantic Layer & BI 4 Migration
- Architecture & Sizing
- What’s New in BI 4.1
- What’s New in Web Intelligence for BI 4
- What’s New in Crystal Reports for BI 4
- Guide to the DCP in BI 4

Visit www.apos.com to register for upcoming sessions and view recorded sessions.
Partner Solutions: EV Technologies

@SaveTheCMS

- BI on BI – Intelligence about your Analytics
  - Impact Analysis
  - Data Lineage
  - Analytic Utilization
- Mobile Deployment Monitoring
- Capacity Planning and Concurrency Monitoring
- Licensing Management and Security Analysis
- Compliance Monitoring

Upcoming Events

- Getting High Availability
- Smoothing the Road to SAP BI 4.1
- Customizing SAP BI 4.1
- We Will Miss You, Import Wizard
- “Exploring” Auditor Data
- Awash in the Watchlist
- Troubleshooting with SAP BI 4.1 Logging
- Practical Lessons in Capacity Testing SAP BI Solutions
- Making Road Warriors Out of Your BI Users

Register for Events at http://evtechnologies.com/about-us/events/
Partner Solutions: INFOSOL

- InfoBurst
  - Advanced bursting, scheduling and publishing capabilities for Webi, Crystal, Dashboards + Deski
- InfoBurst XDC
  - XML Data Caching, Offline Distribution and Write Back capabilities for SAP Dashboards 4.1
- 360 Suite
  - 360View for enhanced BI 4.1 Security management
  - 360Plus for Backup/recovery, repository and object version comparison
  - 360Eyes for enhanced Auditing and Impact Analysis

www.infosol.com
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