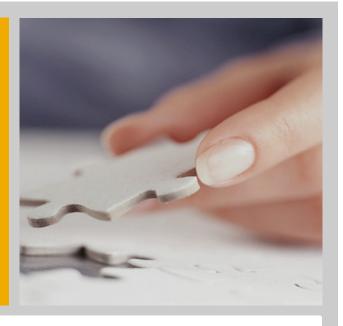# SAP BusinessObjects 4.0
The Best BI Suite for Everyone

Hunter Downey ,Solutions Advisor
Sundu Venkataramani, Client Partner
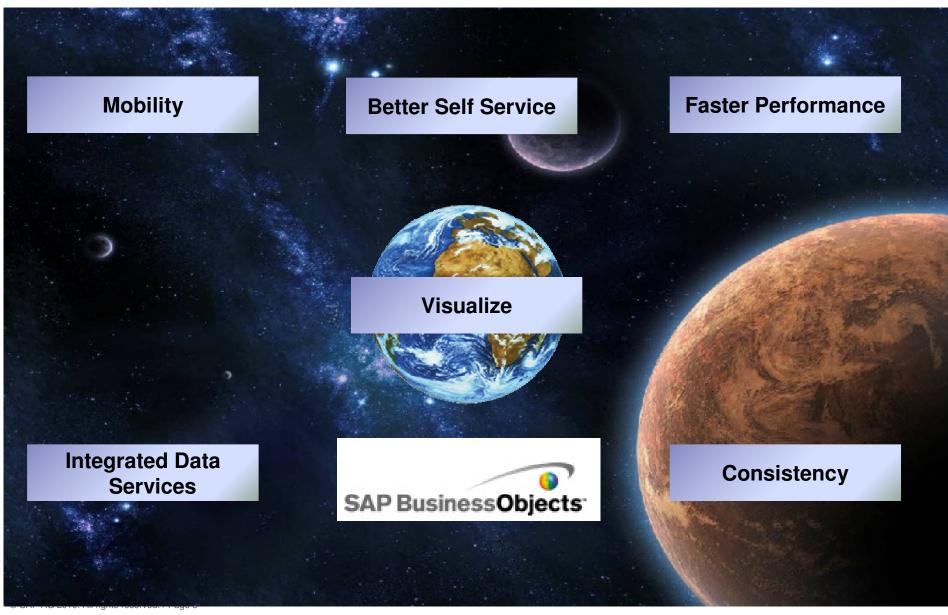
Agenda

1. Easier Reporting for Self Service

2. Better Visualizations

3. Q&A

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What were the "WANTS"?

Mobility

Better Self Service

Faster Performance

Visualize

Integrated Data Services

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Consistency

SAP BusinessObjects 4.0
The Best BI Suite for Everyone

SAP

Engaging User Experience

- Modern styling and unified look and feel

- Refined interactivity with shared charting, alerting, and search options

- Common query design experience across all data sources

New Semantic Layer

- Native multi-source support for fresh perspectives

- New information design tool for heterogeneous access over all sources

- New abstraction layer for multi-dimensional data sources

Simplified, Right-Scale Deployment

- Enhanced scalability with virtualization and native 64-bit support

- Comprehensive system diagnosis and monitoring

- New auditing for compliance and usage analysis

Complete BI Suite

1 Common Infrastructure

Integrated Tools and Efficient Workflows

Know Your Business

Achieve Remarkable Results

Transform Your Decisions

Engaging User Experience

BI OnDemand

Deep Business Insights and Context

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New Semantic Layer for Exposing Business Data Under a Single Umbrella

Crystal Reports | **Web Intelligence** | **Dashboards** | **Explorer** | **Live Office**

Information Design Tool

Query and Calculation Engine
Servicing Data

Business Layer

Data Foundation
Single or Multi-source

Data Federation Engine

Web Services

SAP BW | OLAP | Application Database | Customer DatabaseText | XML | Web Service

Highlights

- Consistent business user experience

- Trusted access to information

- Heterogeneous access over all sources

- Multi-source perspective

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The Best BI Suite for SAP Customers

1 BI SUITE

Crystal Reports | Dashboards | Web Intelligence | OLAP Analysis | Explorer

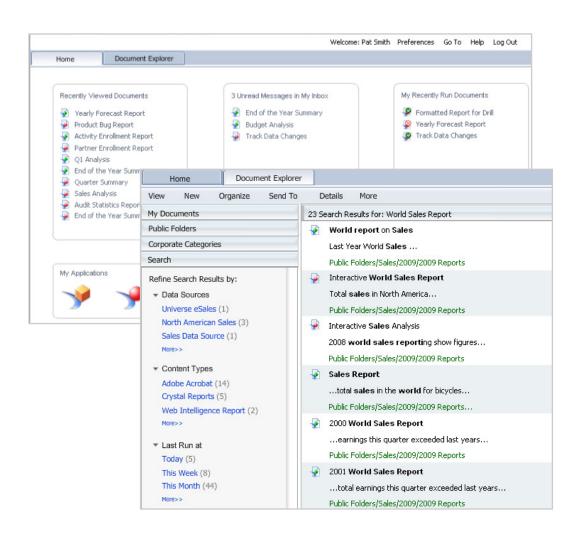| **Innovation Without Disruption**	**Simpler and More Intuitive**	**Scale and Power**
Leverage all of your investments - BW cubes and BEx query design	Bring advanced analysis to the familiar Microsoft Office experience with new Analysis tools	Get Immediate response time regardless of data volume
Transition BEx analyzer users to next gen BI now	Boost user adoption with the SAP BusinessObjects BI suite	Build pervasive BI applications
Adopt SAP BusinessObjects BI platform at your own pace		Integrate with SAP – monitoring, lifecycle management, search, and user management

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Self-Service Information Consumption

New content navigation and search

Easier self-service access to find all available information

Enhanced filtering and search options reducing page scrolling
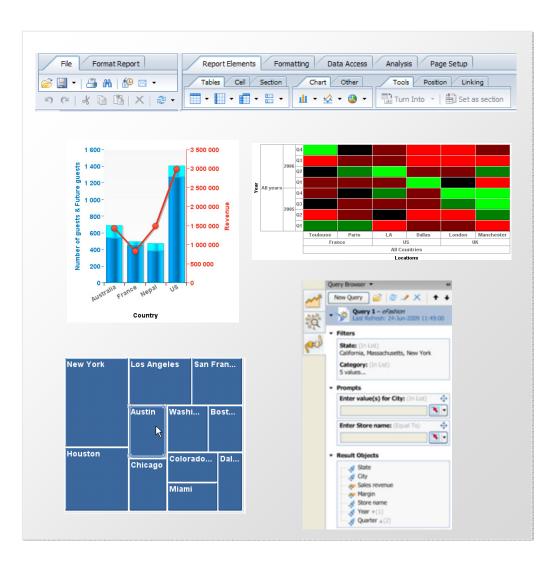
Enhanced navigation for working with multiple documents

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Engaging New User Experience
Modern styling and unified look and feel for all BI solutions

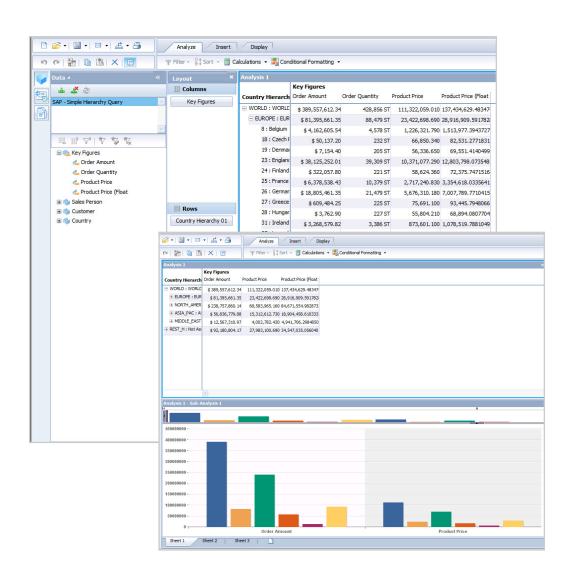

Refined user experience

- New charting options and ribbon toolbar for all solutions

- Expanded interactivity

- Common query design experience across all data sources

Self-Service Access to Deep Business Insights
SAP® BusinessObjects™ Analysis, OLAP Edition

Advanced analytical capabilities

Analyze across multiple dimensions and hierarchies

Uncover deep business insights

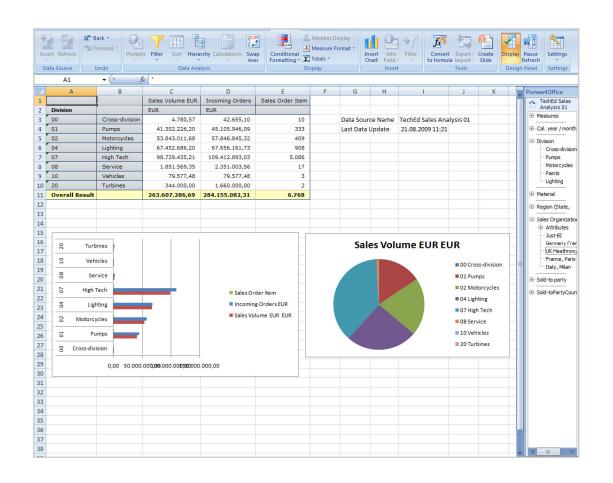Boost user adoption and lower TCO with web-based analysis

Leverage all your investments - BW cubes and BEx query design, and BI platform

SAP BusinessObjects™

Take Your Productivity to the Next Level
SAP® BusinessObjects™ Analysis, Microsoft Office Edition

Easy-to-use OLAP analysis in Office

Familiar and intuitive Microsoft Office user experience

Uncover deep insights with powerful Excel-based analytical capabilities

Bring analyses into PowerPoint presentations

Leverage all your investments - BW cubes and BEx queries, and BI platform

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There Are More Mobile Phones
Than Toothbrushes (5B vs 2.2B)

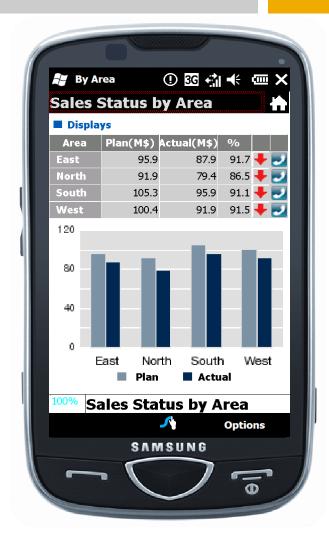# SAP BusinessObjects Mobile BI Interactive Reports & Dashboards

Make informed decisions with **instant** access to personalized information

Leverage existing BI investments & skills to **quickly** reach mobile users

Ensure **secure** access to information across a range of devices

Receive **alerts** on critical events

Investigate problems and **opportunities**

Take immediate **action**

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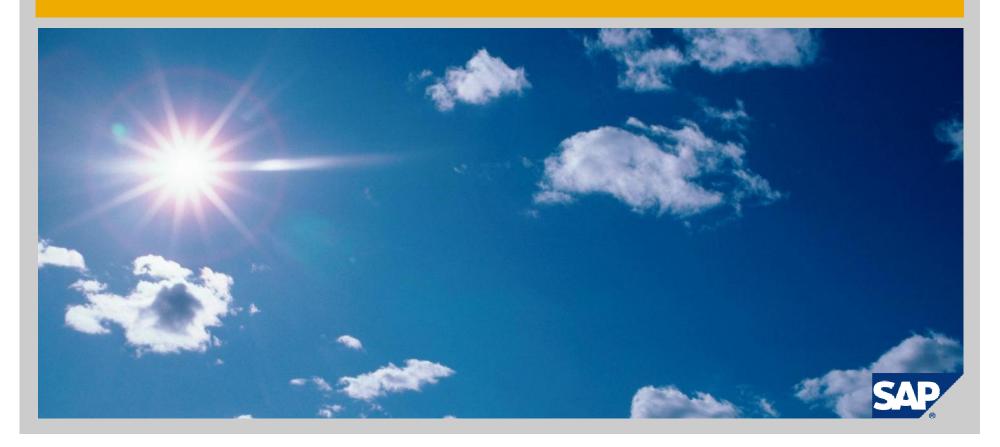# SAP Business Objects Exploration Views Objects
Exploration Views

❑ Empowers business users to easily create, navigate & share key business views.

❑ Highly Personalized & Dynamic Experience

❑ Leverage investments in Business Objects Enterprise, Explorer , in-memory data sources (HANA, BWA) & Semantic Layer

❑ Smart visualization w... ...ke informed business decisions.

Architecture

What's <u>not</u> new?

Global server side architecture is the same n-tier architecture with :
→web application server and BI4 webapps in front
→BI4 servers in the back
→and a BI4 repository database at the bottom.

Still using CORBA for inter-server communication.

CMS is still the main central server.

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What's new?

Installed products

64 bits servers, but…

Installed third parties

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More BO products installed as default with BI4 and some new stuff on existing services

LCM is included
→LCM now can use SAP transport system
→LCM webapp still indepedant (but in the same war than) (...8080:/BOE/LCM)

BO Mobile is included
→BO Mobile administration now integrated in BI4 platform
→user right management (in CMC)
→mobile server administration (in CCM)

Query Builder is still there
→ …:8080/AdminTools

Platform Search
→new indexing engine (Lucene from Apache group)
→indexes ALL content (including report data) (configurable in CMC)
→externally integrable though OpenSearch API
→self healing search engine (automatically start/stop depending on CPU usage)

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New third parties installed with product

Following Oracle move on Sun, MySQL is no longer the default database:

Windows systems → Microsoft SQLServer 2008

Unix systems → DB2 9.7 Personal Edition

! Bundled DB2 installer on Unix is fragile, prerequisites

Tomcat was upgraded from 5.5 to 6.0 (release note)

! Note that Tomcat with BI4 is quite long to start (>10mn)

Same load time with a deployment on Tomcat 5.5

→probably due to the size of BI4 webapp (one single war)

SAP JVM now installed with BI4

→used by all backend Java servers.

64 bits servers

Starting with BI4.0 all backend servers are 64 bits.
- → Including all Java processes
  - → Backend servers and web application server (Tomcat)

For backward compatibility reasons some are not:
- → There is a 32 bits Connection Server
- → And a 32 bits Crystal Reports Server

BI clients are all 32 bits, nothing new here
- → server and client install on same machine supported (but not advised)

Servers & Services

SAP

The term <u>server</u> is used to describe <u>an operating system level process</u> hosting one or more services. For example, the Central Management Server (CMS) and Adaptive Processing Server are servers. A server runs under a specific operating system account and has its own PID.

A <u>service</u> is a <u>server subsystem that performs a specific function</u>. The service runs within the memory space of its server under the process id of the parent container (server). For example, the SAP BusinessObjects Interactive Analysis Scheduling and Publishing Service is a subsystem that runs within the Adaptive Job Server.

Full description of server types, services affectation per server, services types, services definition is available in the BI4 Administration Guide.

→**CMC Demo**

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Auditing

Platform auditing architecture changed in BI4

→**Auditing still done by the CMS**

→**ADS = Auditing Data Store (Audit database)**

→**local auditing text files are written in a local folder (path configurable)**

→**flushed to ADS by CMS auditing thread every 3mn**

→**CMC/Audit text background color gives flushing task state**

→**flush delay automatically adjusted from previous flush time**
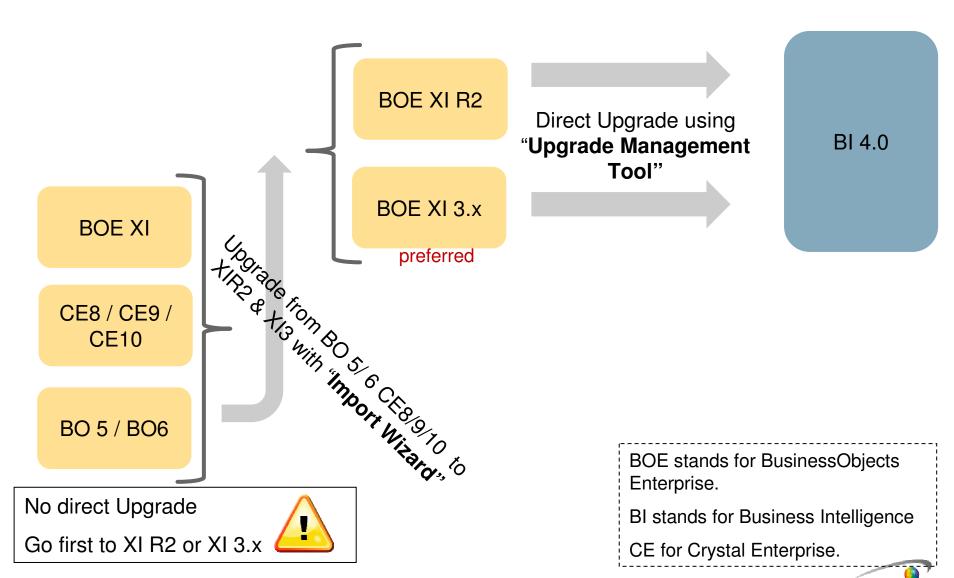
Auditing management application in CMC

No more default Universe and reports delivered with the product

Upgrading to BI4

BOE XI R2

BOE XI 3.x

preferred

Direct Upgrade using **"Upgrade Management Tool"**

BI 4.0

BOE XI

CE8 / CE9 / CE10

BO 5 / BO6

Upgrade from BO 5/ 6 CE8/9/10 to XIR2 & XI3 with **"Import Wizard"**

No direct Upgrade

Go first to XI R2 or XI 3.x

BOE stands for BusinessObjects Enterprise.

BI stands for Business Intelligence

CE for Crystal Enterprise.

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Thank you!