SAP BusinessObjects 4.0
The Best BI Suite for Everyone

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Agenda

1. Easier Reporting for Self Service
2. Better Visualizations
3. Q&A
What were the “WANTS”?

- Mobility
- Better Self Service
- Faster Performance
- Visualize
- Integrated Data Services
- Consistency
SAP BusinessObjects 4.0
The Best BI Suite for Everyone

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
Integrated Tools and Efficient Workflows
Know Your Business
Transform Your Decisions
Engaging User Experience
Deep Business Insights and Context

Achieve Remarkable Results
BI OnDemand
New Semantic Layer for Exposing Business Data Under a Single Umbrella

Highlights
- Consistent business user experience
- Trusted access to information
- Heterogeneous access over all sources
- Multi-source perspective
The Best BI Suite for SAP Customers

1 BI SUITE

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

**Innovation Without Disruption**
- Leverage all of your investments - BW cubes and BEx query design
- Transition BEx analyzer users to next gen BI now
- Adopt SAP BusinessObjects BI platform at your own pace

**Simpler and More Intuitive**
- Bring advanced analysis to the familiar Microsoft Office experience with new Analysis tools
- Boost user adoption with the SAP BusinessObjects BI suite

**Scale and Power**
- Get Immediate response time regardless of data volume
- Build pervasive BI applications
- 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
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

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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
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**
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 with auto adapting Views on mobile devices. Make informed business decisions.
Architecture
What’s not 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.
What’s new?

Installed products

64 bits servers, but...

Installed third parties
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 independent (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](https://lucene.apache.org) from Apache group)
- indexes ALL content (including report data) (configurable in CMC)
- externally integrable though [OpenSearch](https://opensearch.org) API
- self healing search engine (automatically start/stop depending on CPU usage)
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)
The term server is used to describe an operating system level process 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 service is a server subsystem that performs a specific function. 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.
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

Direct Upgrade using “Upgrade Management Tool”

BOE XI R2

BOE XI 3.x

BOE XI

CE8 / CE9 / CE10

BO 5 / BO6

Upgrade from BO 5/6 CE8/9/10 to XI R2 & XI3 with “Import Wizard”

No direct Upgrade
Go first to XI R2 or XI 3.x

BI 4.0

BOE stands for BusinessObjects Enterprise.

BI stands for Business Intelligence

CE for Crystal Enterprise.
Thank you!