

# Oracle BIEE Plus

## Complete Overview for Implementers

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# Professional Background

- Oracle Application Development since 1996
- Experienced in Implementations and Upgrades
  - 10.6 SC thru 11.5.10.2
- Experience with BI solutions for Oracle EBS Clients since 1997
- Experience with Packaged Vendors
  - Informatica
  - DecisionExperts from Teradata
  - Noetix Views
  - Cognos Enterprise Suite etc.
- Extensive experience with Oracle BI Tools
  - Discoverer
  - Daily Business Intelligence
  - XML/BI Publisher
  - OBIEE Suite
- Active in OAUG and regional User Groups. Currently serving as a Chair for the Applications Forum of Dallas Oracle Users Group (DOUG)





# Agenda

- Product History
- Component Summary
- Pre-packaged Applications
- Installation and related Technology Stack overview
- Deployment Options
- Overview of Answers and Dashboards
- Overview of OBIEE Administrator
- OBIEE Security overview
- Summary
- Q&A



# History

- OBIEE 10.1.3.2.0 released in early Jan-07
  - Renamed to above after the acquisition of Siebel Analytics
  - Pre-Packaged Applications for Data Warehouse also made available for Oracle E-Business, PeopleSoft, Siebel etc.
- OBIEE 10.1.3.2.1 released in April-07
  - Availability of Fusion Intelligence with OBIEE for 11.5.10.2 and Release 12
  - Removed support for Windows XP-Home
  - Latest release is 10.1.3.3.2
- OBISE-1 General Availability announced in June-07
  - Scaled-down version of OBIEE for Small and Medium Businesses – “Start small but think Big”
  - Includes everything except the Pre-Packaged Data Warehouse Adaptors
- BI Publisher version 10g
  - Integrated with OBIEE and therefore is a component of OBIEE Suite
  - Release for Oracle E-Business 11.5.10.2 is still XML Publisher 5.6.3



# Components of OBIEE Plus

- Answers
  - Dashboards
  - Delivers or /Bots
  - BI Publisher Engine
  - Informatica Server
  - DAC Server (Data Warehouse Administrator Services)
  - Disconnected Analytics
  - OBIEE Administrator
  - Microsoft Office Plug-ins
  - BI Publisher Desktop for Template Creation
- \* OBIEE-1 comes with Oracle Data Warehouse Builder License for ETL





# Pre-Packaged Applications

- Also known as Business Intelligence Applications (BI Apps 7.9.4)
- Star-Schema Data Warehouse Adaptors for Oracle E-Business, PeopleSoft, Siebel, SAP etc.
  - Includes Informatica OEM 7.1.4 PowerCenter ETL Server
  - Data Warehouse Administrator Console Services to manage Informatica ETL processes and schedule jobs
- Metadata Repository (semantic layer) for above, to access from OBIEE Answers and Dashboards
- Pre-built Dashboards and KPIs using the above abstract layer
  - GL and Profitability Analytics
  - Payables Analytics
  - Purchasing Analytics
  - Sales Analytics etc.
- DBI related Metadata Repository, KPIs and Dashboards are also available in the form of Fusion Intelligence (Maintenance mode now)





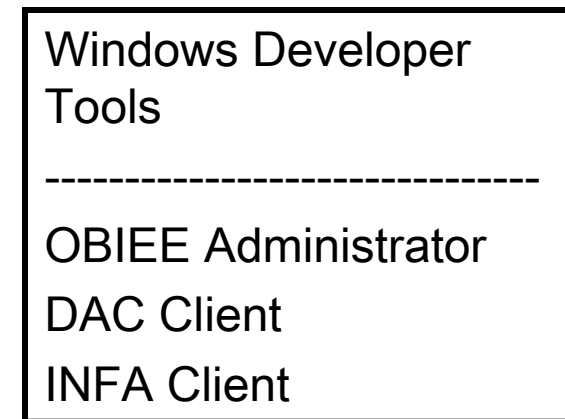
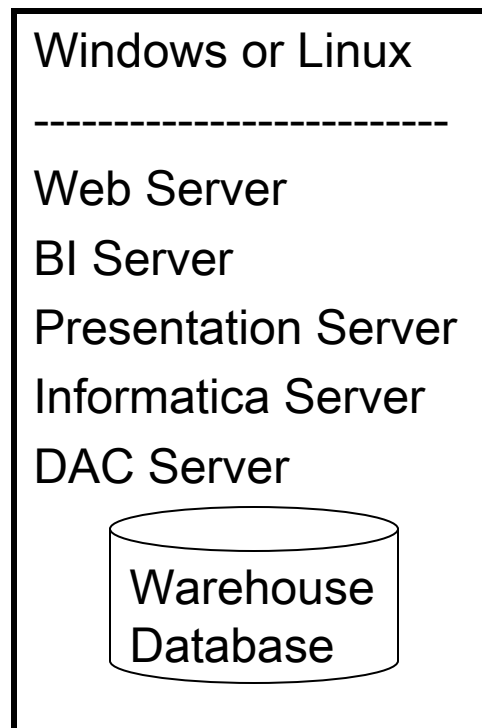
# Installation

- OBIEE 10.1.3.3.2 can be installed on Windows, Linux (SUSE, RHAT), Solaris, HP, IBM
- Windows Client Developer Tools
  - OBIEE Administrator tool
  - Disconnected Analytics
  - BI Publisher for Templates
  - DAC Client (Data Warehouse Administrator Console)
- Pre-Requisites
  - Java SDK1.5.2 or higher is a must for both installs (Client and Server)
  - IIS or an Oracle Application Server must be installed for Windows based Server installs
  - OBIEE10.1.3.3.2 Server components are components of Oracle Application Server 10g Release3 for Linux, Unix, AIX



# Deployment Options

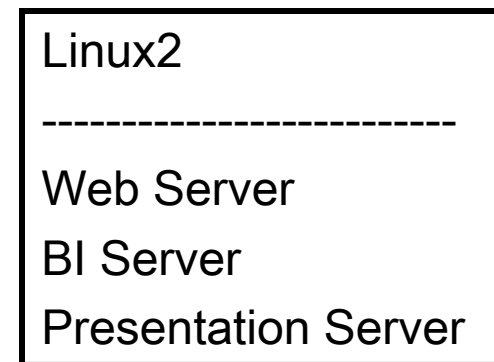
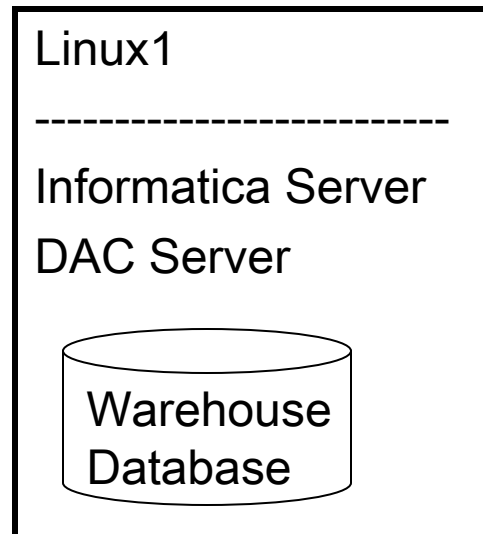
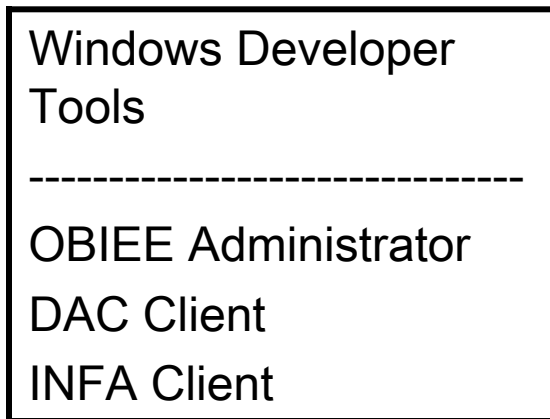
- OBIEE allows for a few different architectures
- Below is a basic simple architecture that one can use when evaluating the Product





# Deployment Options Continued

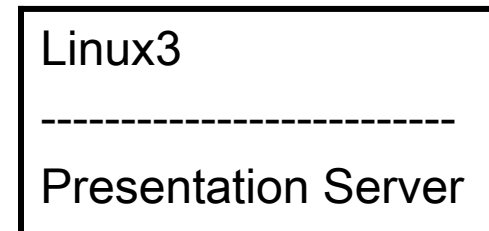
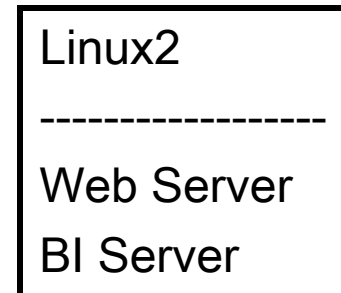
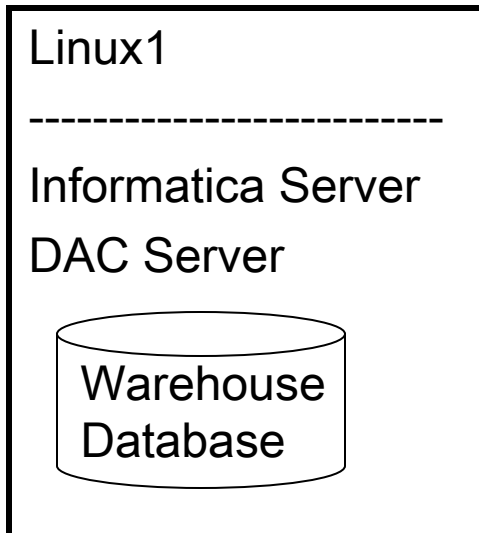
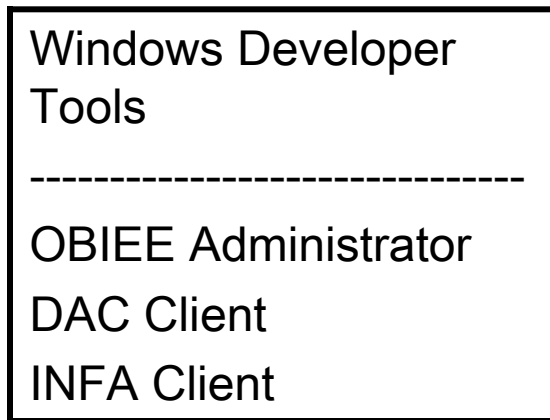
- Architecture option for Development/Test






# Deployment Options Continued

- Architecture option for Production





# Overview of Answers and Dashboards

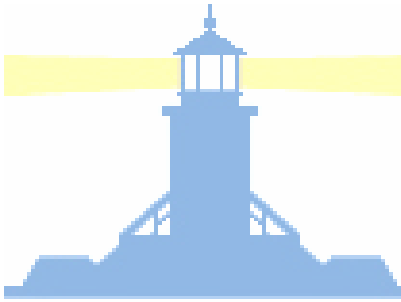
- Oracle Answers is the only report building interface that OBIEE Plus provides
- It is used for the construction of both Queries (the data) and Reports (the presentation)
- Dashboards are simply containers for reports and other content
- Native connectivity for sources such as Oracle, DB2, Teradata, SQL Server etc. Uses ODBC for MS Access, Excel



# Answers

## Main components of Answers page

- The Answers Web Catalog
  - Store reports, dashboards, filters, prompts
- The BIS Presentation Layer
  - Read directly from the BIS server, these are the areas that you can work in
  - Subject Area – Consists of data elements/fields that answer certain business questions.
    - Select a Subject Area to build a query or a report
- Applications and Administration links
  - Other portions of the Analytics environment
- Exporting
  - Results from Answers can be exported to PDF, HTML. Can also be Printed or Downloaded to Excel, CSV, MHTML



# Dashboards

- Dashboards are the standard interface for the majority of users
- It allows multiple reports to be displayed in a tabbed interface
- The reports are interactive – they can be clicked on to interact with the data
- Ideally highly summarized and graphical
- Analytics allows a dashboard or report to be exported to
  - PDF
  - HTML
  - Downloaded to Excel or CSV



# OBIEE Administrator Overview

- Administrator tool is the interface to create and manage logical Star-Schemas (Subject Areas)
- Metadata Repository (semantic layer) file contains the Business logic, connections, security configurations etc.
- Uses ODBC connectivity to connect to data sources
- OBIEE uses Ralph Kimball's Star-Schema methodology
- Three main layers of abstraction
  - Physical – Physical data sources (connections, tables, joins etc.)
  - Business Model Layer – Logical abstraction, organized in a Star Schema
  - Presentation Layer – Abstract from Business Model
    - Defines exactly how users will see tables & fields, with business labels and descriptions



# OBIEE Security

- Application Authentication
  - Supports LDAP authentication, OID, SSO etc.
- Data Authorization
  - OBIEE Server Security via Administrator Tool
    - Access to Subject Areas
    - Supports setting up of data security using Oracle EBS Roles/Responsibilities
    - Supports column level security
  - OBIEE Presentation Server Permissions
    - Control access to Web Catalogs, Folders, Dashboards etc
    - OBIEE Web Administrator and Catalog Manager are used for above



# Summary

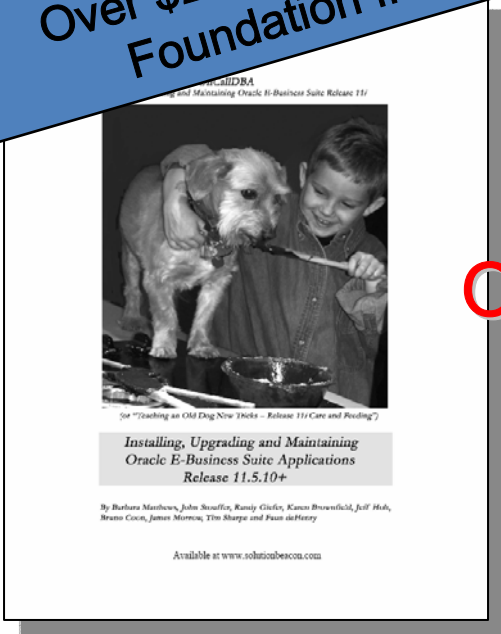
- Great product, offers great flexibility and scalability
- Ability to connect to any data source, residing on different platforms – Biggest differentiator
- Implementation challenges
  - Fewer resources with the right mix of skills
  - Organizations need to now acquire a new skillset in Informatica ETL
  - Performance tuning when data is merged from more than one source



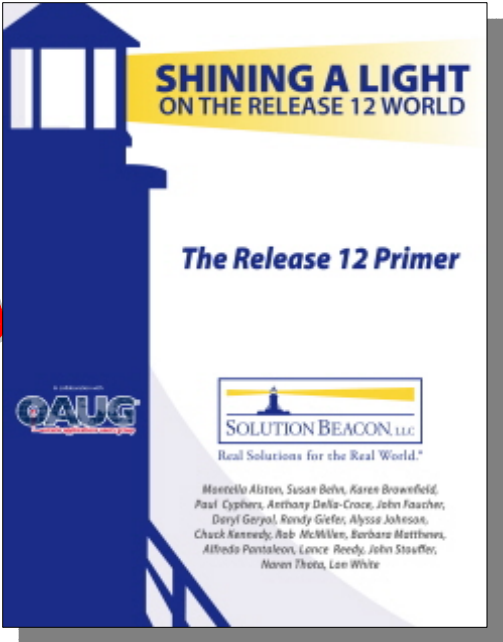
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# Questions and Answers

Thank You!

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