

Oracle BIEE Plus

Complete Overview for Implementers

Naren Thota
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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-built Applications (BI Apps) 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
 - 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-built Data Warehouse Adaptors
- BI Publisher version 10g
 - Integrated with OBIEE suite
 - Formerly known as XML Publisher





Components of OBIEE Plus

- Answers
 - Dashboards
 - Delivers or iBots
 - 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 (DAC)
- Metadata Repository (semantic layer) for above, to access from OBIEE Answers and Dashboards
- Includes Presentation Services catalog (pre-built Dashboards and KPIs)
- BI Apps is available to license by module
 - 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, licensed separately





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





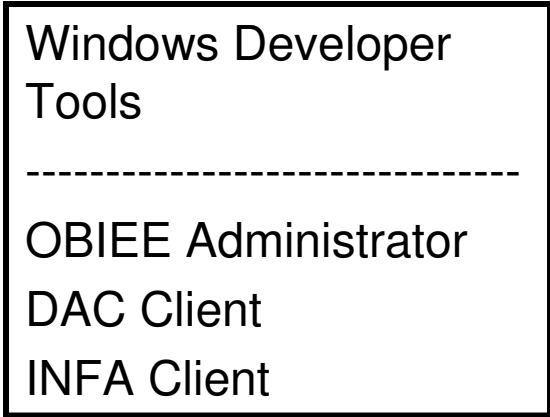
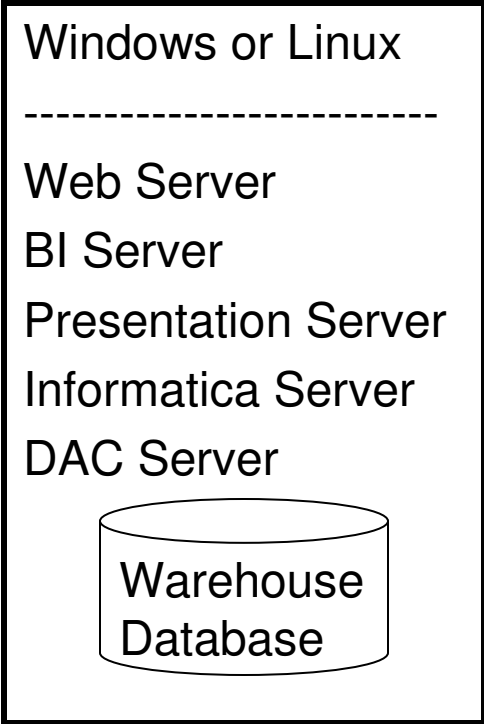
Installation Continued

- No BI Applications installer available for Unix/Linux yet
- DAC Server files need to be copied from Windows over to Unix/Linux
- Best practice is to keep directory structures more or less similar between Windows and Unix



Deployment Options

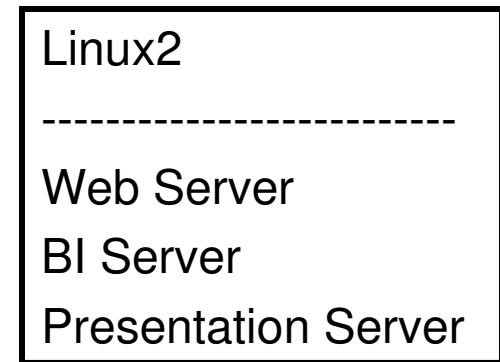
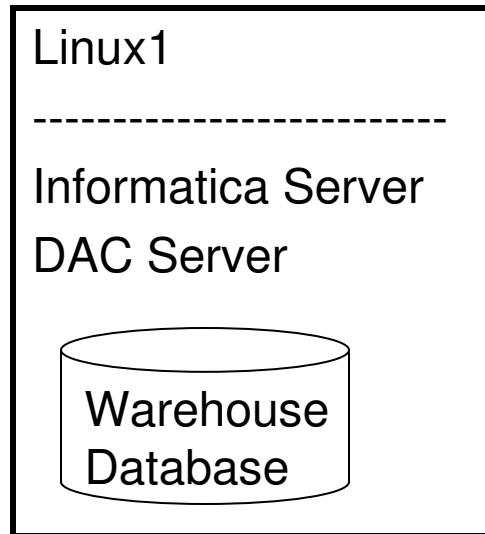
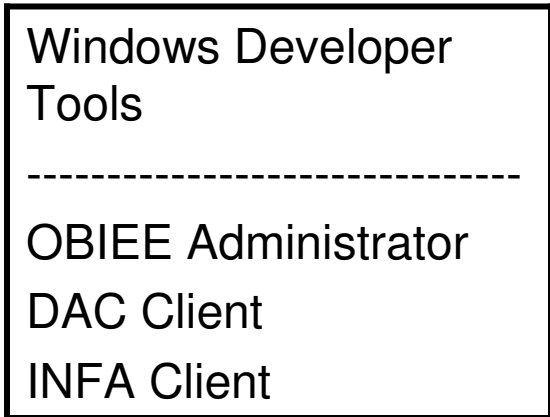
- Simple architecture that one can use when evaluating the Product





Deployment Options Continued

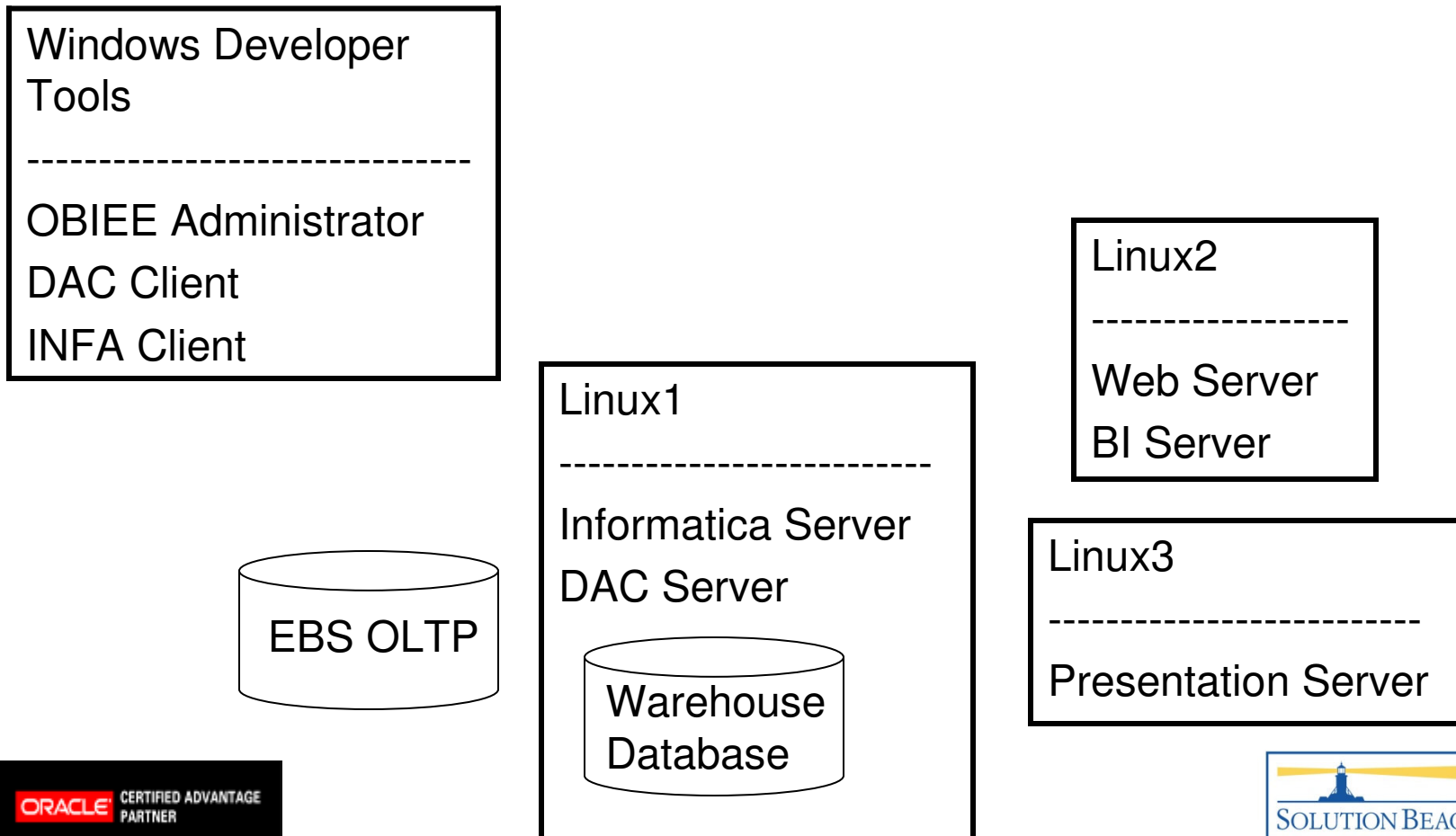
- Architecture option for Development/Test






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
 - Stores reports, dashboards, filters, prompts, folders etc.
- The BIS Presentation Layer
 - Reads semantic layer directly from the BIS server
 - 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
- 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, arranged as Subject Areas



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



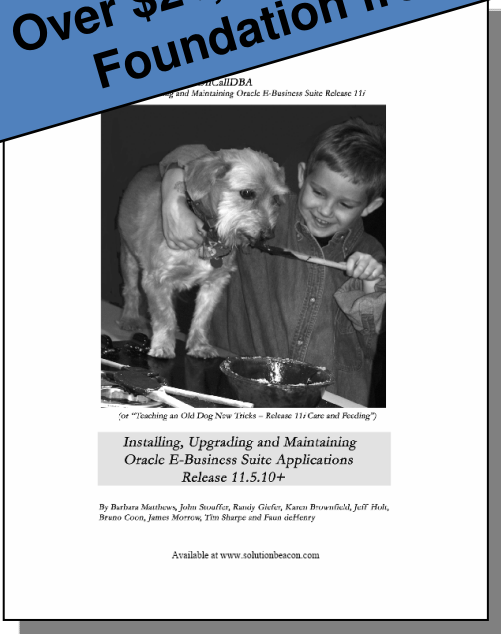
Summary

- Great product, offers great flexibility and scalability
- Ability to connect to any data source, residing on different platforms, merge data from more than one source – 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



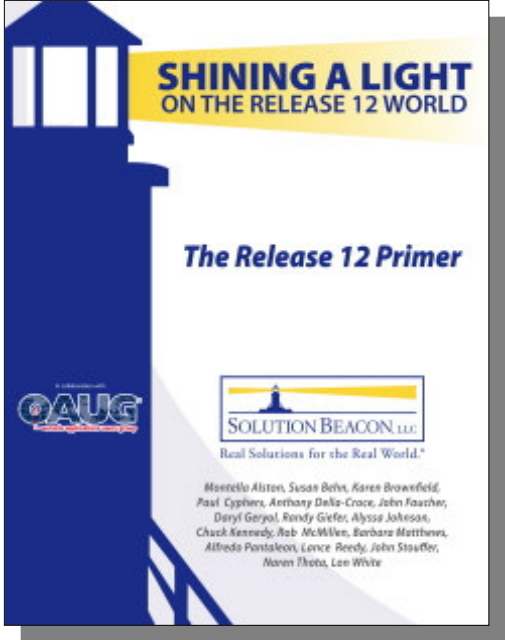
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Questions and Answers

Thank You!

Naren Thota

nthota@solutionbeacon.com

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