

Thursday, Mar 12 2009

Oracle Data Warehouse Administration Console (DAC)

by

Abdul Hafeez Shaik







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About the Speaker

Abdul Hafeez Shaik

- Senior Consultant with Apps Associates
- > Tech Team lead at Wyndham Worldwide for OBIEE implementation
- > 4 Years of Industry Experience with E Business Suite
- Working with OBIEE Technology from 2006

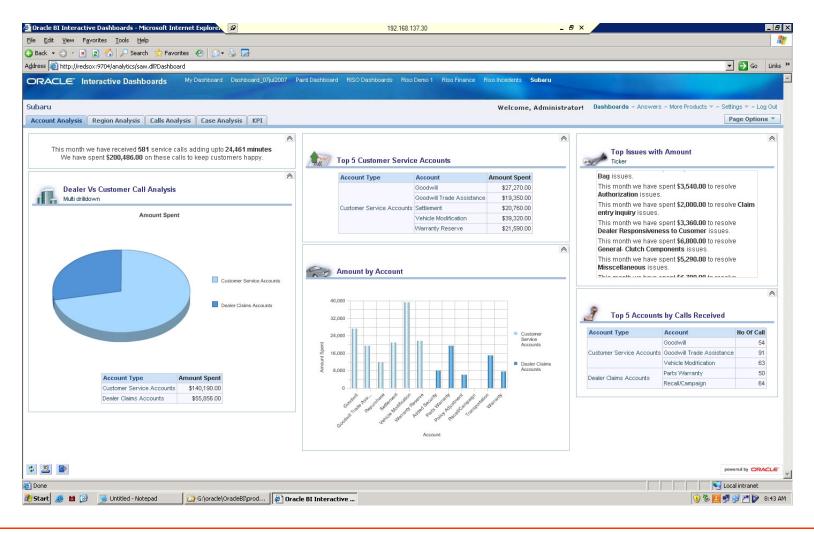


Agenda

- > Introduction
- About OBI-EE
- About OBI Application and packaging
- Components of OBI application
- ETL and ETL Flow
- What will be installed as Part of OBI Application Installation
- Informatica
- > DAC



OBI-EE Dashboard





OBI-EE Components





Reporting & Publishing



Ad-hoc Analysis



Proactive Detection and Alerts



Disconnected Analytics



MS Office Plug-in



Oracle Bl Server **Simplified Business Model and Abstraction Layer**

Multidimensional Calculation and Integration Engine

Common Metadata, Security, Filtering, Personalization, Management, Scheduling

Intelligent Request Generation and Optimized Data Access Services



OLTP & ODS Systems



Data Warehouse Data Mart



SAP, Oracle PeopleSoft, Siebel, Custom Apps



Files Excel XML



Business Process

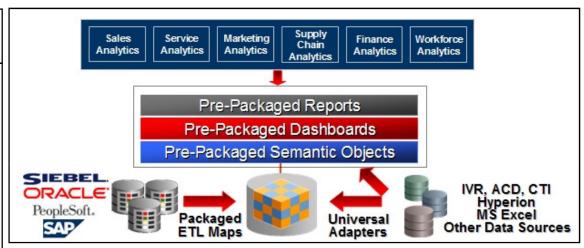


Oracle Business Intelligence(OBI)

(1)

Oracle Business Intelligence Suite EE

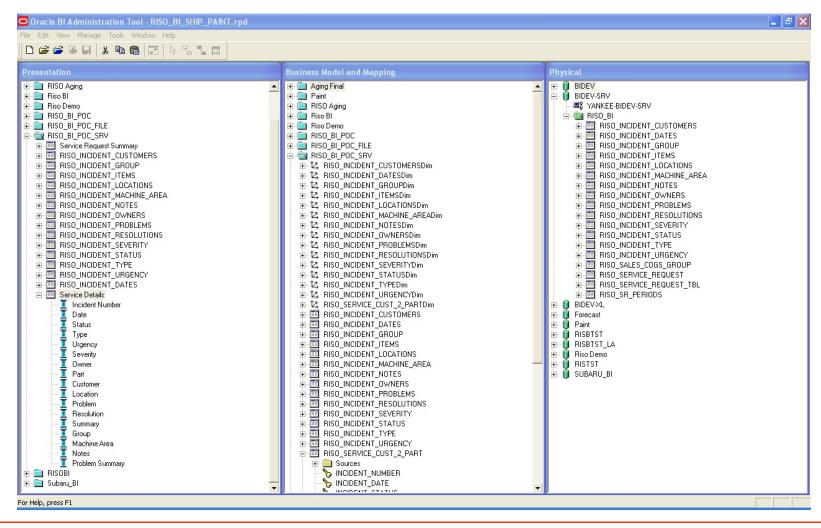
- Oracle BI Analytic Server
- Oracle BI Interactive Dashboards
- Oracle BI Answers
- Oracle BI Delivers
- Oracle BI Reporting & Publishing
- Oracle BI Disconnected Analytics
- Oracle BI Server Administration



- Buy (1) + Custom Development
- Buy (1) + Buy (2) + Custom Development



Administration Model





Business Analytics Applications



Auto



Comms. & Media



Complex Mfg.



Consumer Sector



Energy



Financial Services



High Tech



Insurance & Health



Life Sciences



Public Sector



Travel & Trans

Sales + OM Analytics

Pipeline / Forecast Analysis

Bookings, Billings & Backlog

> Sales Team Effectiveness

> > Up-sell / Cross-sell

Cycle Time Analysis

Lead Conversion

Service & Contact Center Analytics

Churn Propensity

Customer Satisfaction

Resolution Rates

Service Rep Effectiveness

Service Cost Analysis

> Service Trends

Marketing Analytics

Campaign Scorecard

Response Rates

Product Propensity

Loyalty and Attrition

Market Basket Analysis

Campaign ROI

Financial Analytics

Receivables / Payables Analysis

GL/Balance Sheet Analysis

Customer / Product Profitability

Income Statement Analysis

Expense Management

Cash Flow Analysis Supply Chain Analytics

Supplier Performance

Inventory Analysis

Procurement Cycle Times

Inventory Availability

Employee Expenses

BOM Analysis

Workforce Analytics

Employee Productivity

Compensation Analysis

HR Compliance Reporting

Workforce Profile

Turnover Trends

Return on Human Capital

Oracle BI EE Platform







PeopleSoft.

Other Operational & Analytic Sources



About Company – Apps Associates LLC

Making Global Delivery Feel Closer To Home



- Offices in USA, Germany and India
 - U.S. regional offices in Westford MA (HQ); NY/NJ & Atlanta in 2009
- Founded in 2002 with >100 % growth every year for last 5 years:
 - 2007 Inc. 500 list of fastest growing U.S. companies
- Over 250 employees (end of Q3 2008) with strong local presence
- Management & Sr. Consultants: 75% former Oracle employees







Introduction to OBI Applications

- What is OBI Apps
- Application of OBI Apps



Components Of OBI applications

- Warehouse
- > ETL
- > Repository
- Analytical Reporting tool

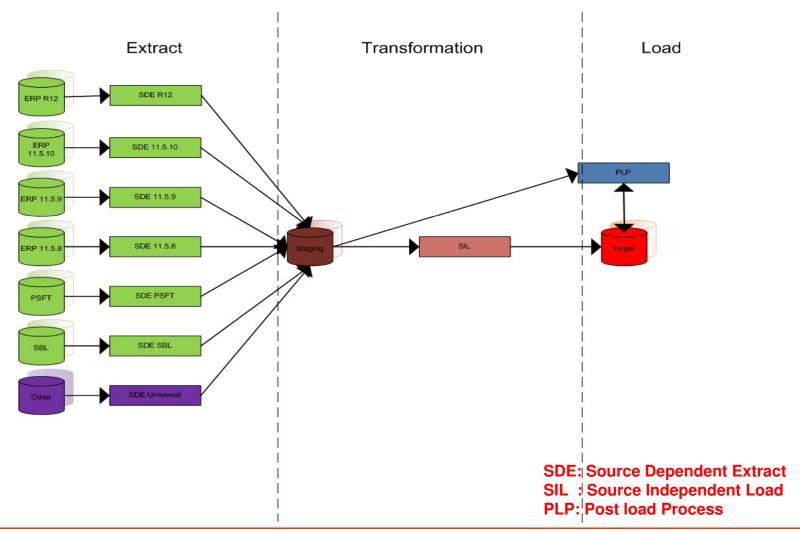


ETL

- > ETL
 - Informatica
 - ODI
- > DAC

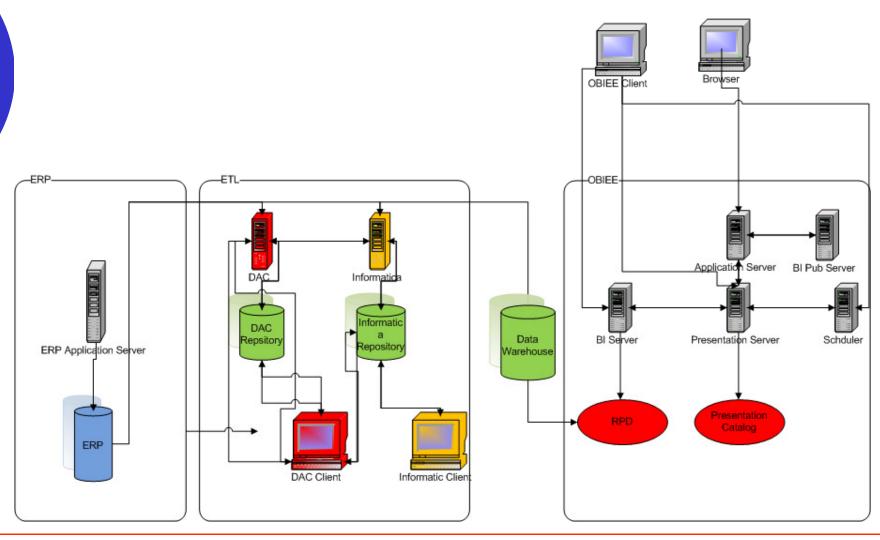


ETL Flow





What will be installed with apps





Informatica

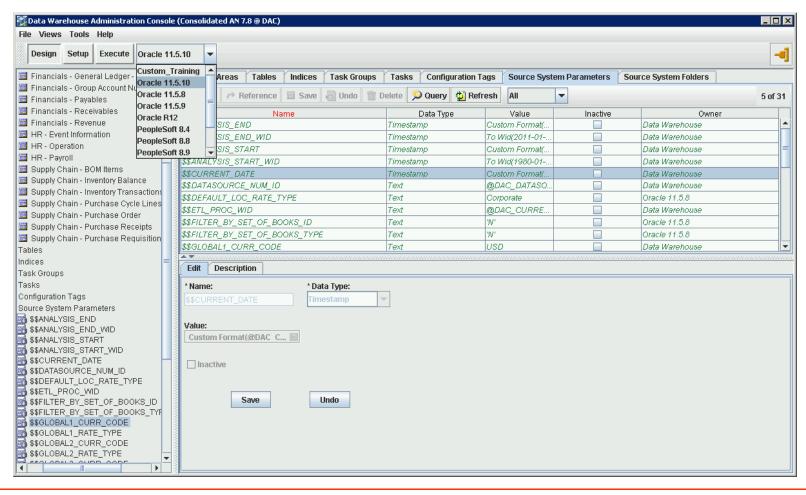
- Create and mange the ETL's
- Loads the data from source to Target
- Extraction
- > Transformation
- Load



- Data Warehouse Administration Console
- Manage the Execution Sequence
- Scheduling
- Managing the Target Table
- Managing the Index on Target table
- Managing the Incremental and Full load based on the Refresh dates
- Provides the common interface by providing the abstraction over the underlying ETL
- Micro ETL process
- Error handling
- Execution plans and subject areas

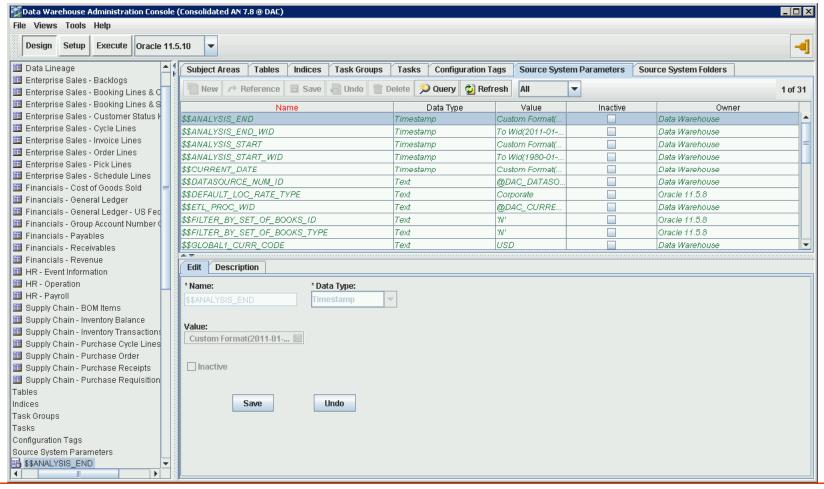


Source Container





Designer

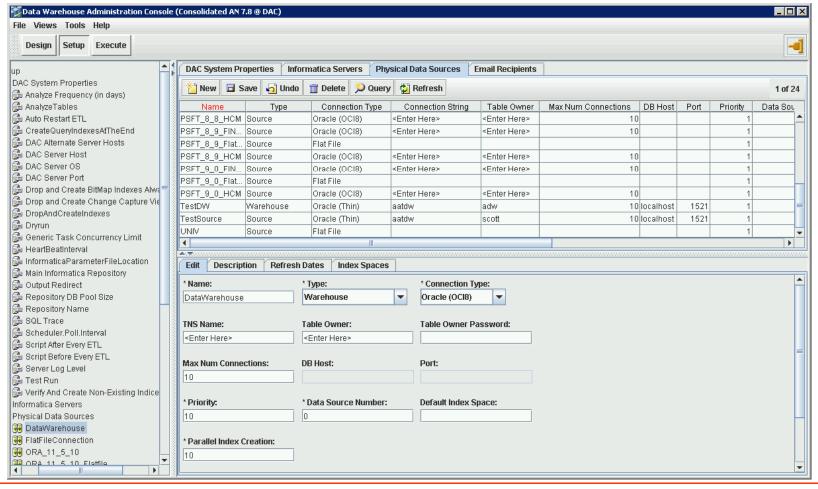




- Designer
 - Subject Areas
 - > Tables
 - > Indices
 - > Task Groups
 - > Tasks
 - Configuration Tags
 - Source System Parameters
 - Source System Folders



Setup

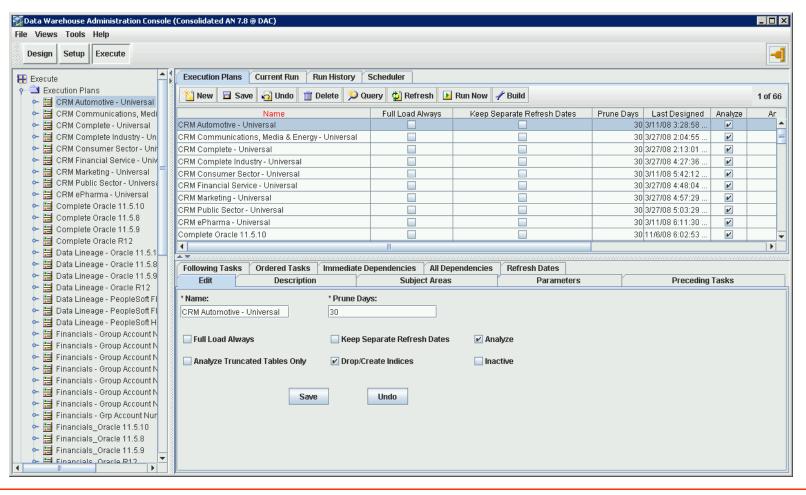




- > Setup
 - > DAC System Properties
 - > Informatica Server
 - Physical Data Sources
 - Email Recipients



Execute





Execute

- Execute Plan
- Current Run
- Run History
- > Scheduler



- Role of DAC in OBI Applications
 - > ETL Packaging and modularizing of Applications
 - Micro ETL Processing
 - Multi source support



- Role of DAC in ETL
 - Abstract layer from underling ETL
 - Incremental / Full load decision
 - Refresh Dates (Run Dates) Management
 - > ETL Run notification through E-Mails

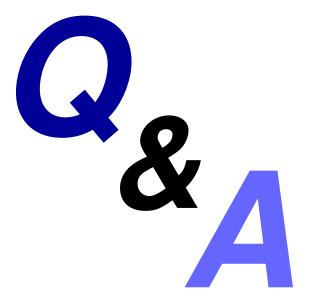


Role of DAC in Informatica

- Sequential/Parallel Informatica session invocation
- Scheduling of ETL process
- Managing the Bulk Loads, Normal loads differently
- Indices and Target table management
- Taking out the duplicate Session when two ETL Subject areas are merged together.
- Providing the Abstraction to Informatica from its source and Destination Database.
- > Parameter mangment



Thank You



Suggestions or Additional Questions

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