BI Applications and ODI 11g

Florian Schouten
Senior Director, BI Product Management
The following is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions.

The development, release, and timing of any features or functionality described for Oracle’s products remains at the sole discretion of Oracle.
What’s New in BI Applications 11.1.1.7.1

New Content Enhancements
- Financials
- HR
- Projects
- CRM
- Procurement & Spend
- Supply Chain & Order Management

New TCO Tools
- GUI Based Configuration
- Functional Setup Tool

New Data Integration
- Oracle GoldenGate
- Oracle Data Integrator

New Applications
- Student Information Analytics
- Indirect Spend Planning

New OBIEE 11.1.1.7
- New OBIEE 11.1.1.7
- Oracle Data Integrator
- Oracle GoldenGate
- GUI Based Configuration
- Functional Setup Tool
BI Applications 11.1.1.7.1

Summary of Features

- Most significant BI Applications release in three years.
- Significant expansion of content and new products
- Completely re-architected solution leveraging the power of ODI
- Released on the latest version of OBIEE 11.1.1.7
- Number of new out-of-the-box tools to increase productivity and drive down TCO
- Golden Gate option available for customers that have significant ETL time pressures
Oracle BI Applications 11.1.1.7.1
Additional Content for Applications Unlimited Customers

• FINANCIALS
  – Commitment Control & Public Sector Financial/Budget Analysis (EBS & PSFT)
  – Fixed Assets (EBS & PSFT)

• HR
  – Time & Labor (EBS & PSFT)
  – Global Payroll (PSFT)
  – Transfers (EBS & PSFT)

• PROJECTS
  – Resource Management (EBS & PSFT)
  – Cross Charge (EBS & PSFT)
  – Forecasting Enhancements & Commitments (PSFT)
  – GL Reconciliation (EBS & PSFT)

• CRM
  – Service Analytics Enhancements (EBS)
  – Price Analytics (EBS)

• PROCUREMENT & SPEND
  – Sourcing Analytics
  – Enhancements to Change Orders and Agreements

• SUPPLYCHAIN AND ORDER MANAGEMENT
  – Costing
  – Inventory Cycle Count
  – Other Enhancements

• STUDENT INFORMATION ANALYTICS
  – Admissions, Recruiting, Records, partial Financials (PSFT)

• OPERATIONAL PLANNING
  – Indirect Spend Planning
Matrix shows operational applications supported by Oracle BI Applications ETL. To see which specific operational application modules are supported, and by which specific BI Apps, see product documentation.
New Applications
Insight into Student Success & Institutional Performance

Oracle Student Information Analytics

- New analytics module offering with integrated view of admissions and recruiting, student records and student financials
- Summary level KPIs with drill down capabilities to identify exceptions
- Cross-functional analysis capabilities with Financial Analytics, Procurement & Spend Analytics, HR Analytics and other BI Apps
- Certified for PeopleSoft Campus Solutions 9.0 Bundle#25
Oracle Indirect Spend Planning

Leveraging Oracle Procurement & Spend Analytics

- Indirect Spend Planning enables procurement teams to forecast indirect spend, and use packaged what-if modeling tools to reduce spend
- Pervasive context from BI helps planners make better decisions about supplier allocations
- Integration to Oracle ERP business rules means more accurate plans based on real-world constraints
- Leverages existing Procurement & Spending Analytics data model and ETLs
- Leverages Essbase and SmartView for what-if modeling
New Content Enhancements
Financial Analytics
What’s New in 11.1.1.7.1

- Fixed Assets Analysis
  Complete lifecycle of assets from acquisitions, capitalization to retirements

- Budgetary Control Analysis
  Providing insight into expense & revenue budgets including analysis of budgeted amounts, encumbrances, expenditures, funds available, overspending, and recognized revenues.

- Summary level analysis with drill-down to transactional details.
HR Analytics
What’s New in 11.1.1.7.1

- **Time and Labor Analysis**
  Provide insight into timecard status, timeliness of submission, productive time and estimated cost

- **Payroll Analysis**
  Analyze pay run transactions including earnings, deductions, taxes and special balances

- **Headcount Gain & Loss Subject Area**
  Track headcount movement by supervisor hierarchy

- **Added Leave Accrual to Absence subject area**

- **ETL Adaptor to PeopleSoft Global Payroll**
Project Analytics
What’s New in 11.1.1.7.1

- Resource Management analysis
  Providing visibility into project requirements, trending, utilization, competencies and alignment

- Reconciliation of project sub-ledger and General Ledger
  Assist project accountants in reconciling differences between the two ledgers for cost and revenue transactions.

- Perspective based dashboards
  Optimized Project Analytics user interface that orients the content around specific user perspectives (optional layout)
Oracle Procurement and Spend Analytics

What’s New in 11.1.1.7.1

- New comprehensive Sourcing Business Process that includes negotiations, awards, savings and performance
- Pre-built ETL Adapters for EBS and PeopleSoft
- New Dashboard
Supply Chain and Order Management Analytics

What’s New in 11.1.1.7.1

- **Enhanced Inventory Analysis**
  Providing deep insight into Inventory Cycle Count, Inventory Aging, Inventory Expiration/Obsolescence tracking and Inventory balances and transaction details at lot level

- **Item Cost History Analysis**
  Insight into historical cost of Supply Chain related items
CRM Analytics
What’s New in 11.1.1.7.1

▪ Price Analytics
  – EBS added to the list of supported sources, customers now have a ready means to assess pricing performance and arrest revenue and margin leakage
  – Robust price waterfall analysis possible with the new Waterfall view

▪ Sales Analytics
  – Indirect Forecasting
  – Forecasting analysis is now possible when submissions are made up a forecast hierarchy that is outside of the reporting hierarchy

▪ Service Analytics
  – EBS Support for Service Contracts
New Data Integration
Next Generation Data Integration
BI Applications 11.1.1.7.1 with Oracle Data Integrator and Golden Gate

Oracle Data Integrator provides
- In-database E-LT Transformation vs. E-T-L
- Best in class performance, scalability, availability
- Lightweight deployment for lower TCO
- Faster time-to-value through declarative design

Oracle Golden Gate option for BI Apps
- Reduce load on source system by streaming data continuously into persistent store in the DW
- More reliable change data capture and delete support
- Enables near real time DW refresh
ODI is Simpler

Speed Project Delivery and Time to Value with ODI

- Development Productivity
  - 40% Efficiency Gains

- Environment Setup (ex: BI Apps)
  - 33-50% Less Complex

**ODI Declarative Design**

1. Define What You Want
2. Automatically Generate Dataflow

**Define How**: Built-in Templates

**Conventional ETL Design**

- Number of Setup Steps 7
- Number of Servers 1
- Number of connections 3

- Number of Setup Steps 10
- Number of Servers 3
- Number of connections 7
BI Apps DW ETL Architecture + SDS

Collection → Routing → Delivery → Transform → Load
GoldenGate Asynchronous Replication → ODI Batch Incremental ETL

Source Application Database

BI Applications Data Warehouse
Database

SDS (Source Dependent Data Store)

Stage (Source Independent)

Star

Optimized ETL for local SDS

Persistent store
Optimized for Incremental ETL
Captures deletes

Generated based on a customers BI Apps deployment
Features and Benefits
Golden Gate SDS Option

- Near-zero impact of ongoing extraction
- No ETL batch load windows required
- Full reload without touching the source

- Consistent CDC approach regardless of source
- Hard deletes in source generate Golden Gate events

- Transformations and star loads all local in BI Apps DW schema
- Near real-time ETL possible
- 24/7 deployments

- Ability to change indexes, add views
- Perfect source for real-time reporting requirements

BI Applications with Golden Gate

- Drastically Reduced Impact on Source System
- Drastically Reduced ETL Runtimes
- More Reliable Change Data Capture and Delete Support
- Dedicated Copy of Source Tables in BI Apps DW
Data Integration Summary

Oracle BI Applications with ODI

- Ease of development
  - Pre-built, reusable knowledge modules to handle several best practice patterns
    - SCD, Exchange rates, Key resolution lookups, Insert/Update strategies, Full/Incremental loads
  - Smart Dependency Management and Performance Optimizations
    - Orchestration Engine for Dynamic Load Plan Generation
    - Pre-built options to handle different load situations
  - Pre-built Integration with Golden Gate as an Option
    - Low Latency Refresh of Data Warehouse (Near Real Time)
      - Continuous streaming extract
      - Frequent Batch Loads
    - Reliable and Efficient Change Data Capture
    - Superior handling of deletes
New TCO Tools
Tools to Accelerate Rapid Deployments & Enhance TCO

- **Configuration Manager**
  - Administrative UI to manage system configuration for your BI Applications

- **Functional Setup Manager**
  - Administrative UI to track & manage implementation projects and required functional setup steps

- **Data Lineage Analysis**
  - Allows customers and implementers to track lineage from source to target

- **ETL Validation Utility**
  - Provides scripts and validation reports comparing source and target data

Planned via Post Release Patch
BI Applications Configuration Manager

• Administrative UI to manage system config for your BI Applications
  • Global parameters
  • Language setup
  • Currency setup
  • Extract dates

• Ability to export and import configuration from file
BI Applications Functional Setup Manager

- Administrative UI to track and manage implementation projects and their required functional setup steps
  - Assign owners and due dates to tasks
  - Domain setup
- Ensures setups are complete and easily interrogated
Next 12 Months
What’s Not In Scope?

BI Applications 11.1.1.7.1

- Fusion Data Source
- Enterprise Asset Management Analytics
- Process Manufacturing Analytics
- Non Oracle Sources
- Non Oracle Targets
- All Siebel CRM Vertical applications
  - Loyalty Analytics
  - Case Analytics
  - Contact Center & Telephony Analytics
  - CRM Vertical Content for Finance, Insurance, Telco & Pharma
And What About Informatica?

Thousands of Installed Base Customers

- Investment with OBIA and Informatica are secure
- Oracle is committed to supporting the Informatica / OBIA installed base and launched BI Applications 7.9.6.4 in January of 2013.
- Oracle plans to introduce an Informatica version of 11g in FY 14
- Customer choice: continue on Informatica or migrate to ODI if and when you like

Note: Approximately a third of the OBIA installed base has standardized on Informatica as their enterprise standard for data integration.
BI Applications Roadmap
Planned for Next 12 Months

1. Finish What We Started with 11.1.1.7.1
   - Enhanced TCO: Data Lineage, ETL Validation
   - Support for non-Oracle Source DBs and targets (DB2, SQL Server, Teradata)
   - Informatica support for 11.x release (and upgrade for 7.9.6.x customers)
   - Content uplift: OPM, EAM, subset of CRM verticals

2. New Content, Adapters & Certifications: EBS, PeopleSoft, JDE, Fusion

3. Cloud Adapters
   - Fusion Cloud (HCM, Sales, ERP), Taleo adapter to HR Analytics

4. Endeca Extensions for BI Applications

5. Purpose-Built Mobile Applications