



BI Reporting on Essbase Cubes: A Full Circle

Introduction

Biz-Metric Partners is a premier software solutions and consulting services provider. Our proposition is to deliver valuable insight so our customers can make faster and better business decisions.

We provide end-to-end software consulting, development, support and managed services. By providing collaborative, innovative, customer tailored and cost effective software solutions, we help customers harness the complete potential of their business.



Biz-Metric BI Solutions

Biz-Metric Financials Statements Analysis

- ❖ Analyze Balance Sheet and P&L Statements
- ❖ Achieve quicker month end close
- ❖ Right-click to sub-ledger and document level details

Biz-Metric Margins Analysis

- ❖ Analyze Profitability by Customers, Projects and Products
- ❖ Facilitates quicker executive decisions to achieve maximum Profits
- ❖ Get trends of the Margins by Customers, Projects and Products

Biz-Metric Financials Cube

- ❖ Analyze Account Groups and Accounts quickly
- ❖ Achieve quicker month end close with enhanced accuracy
- ❖ Quick Ad-hoc analysis capability with excel plug-in

Biz-Metric Projects BI solutions

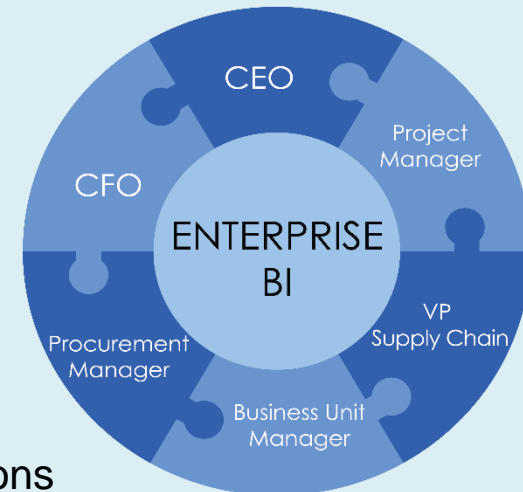
- ❖ Track Unbilled Revenue Aging for quicker Billing
- ❖ Achieve better Resource Utilizations

Biz-Metric Supply Chain and Procurement BI solutions

- ❖ Supplier Performance scorecard based on SQDCI principle
- ❖ Achieve reduction in Procurement cost
- ❖ Achieve reduction in total Spend

Key Features:

- ❖ Pre-packaged solutions
- ❖ Includes Yearly, Quarterly, Monthly Snapshots/Trends solutions
- ❖ Helps tie data between Hyperion, BI and E-Business Suite
- ❖ Drill into transaction details for any GL document source
- ❖ Excel based ad-hoc analysis for Financials users



OBIEE - History

Oracle Business Intelligence Enterprise Edition (OBIEE) is a comprehensive business intelligence and analytics platform that delivers a full range of capabilities—including interactive dashboards, ad hoc queries, mobile analytics, notifications and alerts, enterprise and financial reporting, scorecard and strategy management

Timeline:

2002: Siebel purchases nQuire

2005: Oracle purchases Siebel (OBIEE was known as Siebel Analytics)

2010: OBIEE 11g Version Released

Q3 2014: BICS (BI Cloud Service) Released

2015: OBIEE 12c Version Released

Essbase - History

Essbase is a multidimensional database management system (MDBMS) that provides a platform to build analytical applications.

Timeline:

1992: Arbor Software ships first version of Essbase

1998: Arbor merged with Hyperion Software

2007: Oracle Corporation acquired Hyperion

2009: Oracle markets Essbase as "Oracle Essbase"

Q4 2015: Essbase Cloud Service Released

Oracle Analytics Cloud Service (OACS)

- **Released in April 2017**
- **Enterprise version**
 - DVCS
 - **BICS**
 - **Oracle Essbase Enterprise Edition**
 - Oracle Smart View
 - Oracle Day by Day
- **Standard**
 - DVCS
 - Oracle Essbase Standard
 - Oracle Smart View

Essbase as a data source

Hyperion Applications Data store:

- ✓ Scenarios
- ✓ Versioning
- ✓ Write back
- ✓ MOLAP
- ✓ Ease of loading GL Data
- ✓ Excel based analysis using Smart View
- ✓ Drill down

Essbase as a data source

Cube or a Data Mart:

- ✓ MOLAP
 - ✓ Dimension Hierarchies
 - ✓ Drill Down
 - ✓ Aggregate Storage technology
 - Aggregate Storage databases provide the following key ingredients for an Analytic Data Mart to rival, and arguably surpass, the traditional RDMBS-based alternative:
 - Virtually unlimited dimensionality and inter-dimensional complexity
 - Outlines containing tens of millions of members
 - Designed to efficiently handle large volumes of sparse data
 - Dynamic aggregations that provide near-instantaneous upper-level data requests
 - Highly advanced calculation engine
 - Expansion of aggregate storage metadata volumes to 264 bits
 - 64-bit computing support with the Intel Itanium™ processor
- ✓ Scenarios
- ✓ Versioning
- ✓ Write back
- ✓ Excel based analysis using Smart View

BI – Essbase Integration

- BI Administration Tool is used to add a multidimensional data source to the Physical layer of a repository.
- Multidimensional data sources that Oracle BI Server can connect to include:
 - **Essbase**
 - Microsoft Analysis Services
- Data from multidimensional sources can be used in analyses and Oracle BI interactive dashboards.

BI – Essbase Integration

Multidimensional Versus Relational Data Sources

- The primary differences between setting up multidimensional data sources and setting up relational data sources are in the Physical layer.
 - Each cube imported from a multidimensional data source is created as a single physical cube table in the Physical layer.
 - Oracle BI Server imports cubes with corresponding metrics, hierarchies, and levels.
- The setup processes in the business model and presentation layers for multidimensional data sources and relational data sources are almost identical.

Demo

Q & A

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