

Delivering On-Line Analytical Processing (OLAP) with Oracle Essbase and Teradata

Partners

Do you need analytics that are broader, deeper, and faster at a reduced cost? Do you need the flexibility to meet the diverse and growing demands of analytical users? Do your users want to leverage more insight from the enterprise data warehouse (EDW) than ever before? To achieve these actions in today's business environment, you need new levels of scalability – scalability dependent on flexible, intelligent integration between the Business Intelligence (BI) platform and the underlying data-delivery platform.

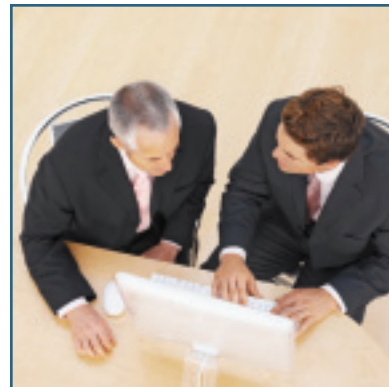
These crucial capabilities – fast, insightful analytics backed by a scalable data platform and architecture – can be yours. The integrated, best-of-breed technologies from Teradata Corporation and Oracle® offer their customers a market-leading, highly scalable framework for enterprise analytics.

Best-of-Breed Architecture

With Oracle Essbase and Teradata®, you can leverage your investments in Oracle products and Teradata products to implement best-of-breed solutions for multi-dimensional analytics. This flexible architecture brings significant performance and system-management benefits to your enterprise data warehouse and analytic environment. With Oracle Essbase and Teradata, you can achieve speed-of-thought performance, while providing your business users with access to the detailed data needed to make informed business decisions. These benefits can be obtained all within an efficient, scalable architecture including the ease of management and ability to update with the most current data.

Multiple Architectural Options to Meet your Needs

A key to successful business is making informed decisions by leveraging the



detailed data available in a data warehouse. Maximizing business value by designing and deploying the most effective style of OLAP analytic applications for specific business needs can be easily achieved by combining Oracle's and Teradata's technologies.

Multidimensional On-Line Analytical Processing (MOLAP) Applications

In Finance, scenario analysis is necessary to establish budgets and plans. The ability to “write back” data to the MOLAP cube is an important capability to enable business and trend analytics that assess financial impact of the proposed plan. Oracle Essbase offers this modeling capability with a MOLAP style cube fed directly from data resident in the Teradata system. Standard ODBC connectivity to Teradata can be used to meet many of your MOLAP cube build requirements. For large MOLAP cubes where data volume and build time is a concern, ODBC connectivity may not suffice. To address that situation, Oracle and Teradata

Teradata and Oracle in a Snapshot

Teradata Corporation, the global leader in data warehousing and analytic technologies, provides solutions that help make smart companies smarter. Teradata gives companies the people, technology, innovation, and a world-class network of customers and partners enabling them to gain competitive advantage to master their markets. With Teradata, the smartest wins.



The Oracle Business Intelligence Foundation – part of the Oracle Fusion Middleware product family –

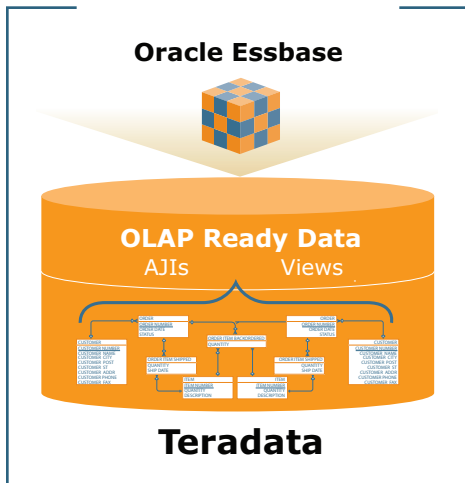
provides the most comprehensive business intelligence (BI) and analytic capabilities available today based on category-leading products for OLAP interactive dashboards, ad hoc analysis, proactive detection and alerts, advanced reporting and publishing, mobile analytics, desktop gadgets, and more.

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have partnered to offer support of Teradata Parallel Data Transporter (TPT) technology with Oracle Essbase. Available with Oracle Essbase version 9.3.1 (and greater), support of the TPT API (Application Programming Interface) allows you to move data much more quickly than ODBC to your Oracle Essbase platform. The end result will decrease the overall time to build required MOLAP cubes and enable more effective user service level agreements.

Extended On-Line Analytical Processing (XOLAP) Applications

Business requirements may dictate the need to analyze information across a large number of dimensions and/or against very large amounts of detailed data



Benefits of Oracle Essbase with Teradata	
Business Benefits	IT Benefits
<ul style="list-style-type: none"> > Speed-of-thought analysis of enterprise data > Access to enterprise detailed data for more informed decisions > No need to learn new tools – user paradigm does not change > “Right time” data access – reduced data latency > Expand the scope of your analytics to include increased history, dimensions, and level of detailed data 	<ul style="list-style-type: none"> > Leverage existing technology investments > Reduce build time for OLAP applications > Reduce data movement > Reduce hardware expense on mid-tier servers > Reduce operational costs to build and support analytics > Increase flexibility to develop and deploy OLAP applications, leveraging appropriate mix of best of breed OLAP and data warehouse platforms

(whether static or evolving). For example, the necessity of moving transaction level data out of the warehouse to a MOLAP style cube to do analysis is neither ideal nor efficient. Today, with Oracle Essbase support for XOLAP, one can deploy a read-only OLAP application that keeps all of the data resident within Teradata for immediate access, along with the analytical benefits of the Oracle Essbase engine. Specifically, XOLAP is an Oracle Essbase multidimensional deployment option available in Oracle Essbase version 11.1.1 (and greater) that stores only the outline metadata, retrieving data from Teradata at query time. Oracle Essbase still performs the calculations on the retrieved data, and provides the speed of dimensional navigation, member selection, and data/metadata security enforcement from the same front-end tools users are already familiar with.

The benefit of XOLAP doesn't end with business users. The IT group gains a more streamlined architecture and the ability to leverage more actionable data from the EDW, resulting in significant cost and time savings. These savings range from eliminating costly data movement and reducing build times, to lowering mid-tier hardware costs and shrinking the footprints of OLAP applications.

For More Information

Let Teradata and Oracle show you how integrating Oracle Essbase and Teradata can benefit your organization.

If you are interested in learning more about implementing Oracle Essbase with Teradata, or having Teradata perform an architecture assessment of your current environment, please contact your Teradata representative or visit Teradata.com.

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