

## TERASOLVE – DATA WAREHOUSE SOFTWARE

information / edge  
S E E • A N A L Y S E • C O N T R O L

Today's business environment demands executives assimilate vast amounts of information, adopt new management techniques such as;



- **Balanced Scorecard**
- **Economic Value Add**
- **Information Resource Management**
- **Continual event based planning**
- **Continuous rolling forecasts**
- **Multifaceted and evolving regulatory and governance requirements**

TeraSolve enables organisations to meet these demands and exploit their corporate data for a broad range of requirements.

## BUSINESS APPLICATIONS OF INFORMATION EDGE TERASOLVE

TeraSolve represents the unique culmination of several innovative advances in analytical application technology, that embrace open standards and permit complex multi-dimensional analysis at a level of granularity and performance that until now has not been possible.

Businesses can apply TeraSolve to a broad range of enterprise scale applications including;

- **Risk Management** (Financial)
- **Portfolio Profitability Management** (Financial)
- **Store Planning** (Retail)
- **Product Profitability** (Consumer Goods)
- **Revenue Assurance** (Telecommunications)

## TERASOLVE UNIQUE BUSINESS BENEFITS:

- Businesses do not need to scope their analytical needs to fit the technology. The compromises of OLAP technology do not apply
- Business users can analyse, model and update information, on demand, independently of the technology behind the scenes
- Business users can predict business problems or opportunities and empirically formulate business models without knowledge of complex information technology solutions
- Executives can focus on execution and the analytics needed to support it, rather than the technical questions of 'how do we get the insight we need to make the decision?'
- Businesses can develop a sophisticated and detailed business model as is required to deliver answers and show how answers were derived, thus making regulatory and compliance issues those of management rather than technology
- Businesses can build massive enterprise scale analytic applications that consolidate data from numerous, discrete, vertical systems and so provide a unified, dynamic, analytical view across multiple business dimensions. Users can then view and compute analytical data from any business perspective. Until now, these types of applications have not been possible. Executives have had to make do with static pre-defined reports that attempt to deliver this unified view
- Large numbers of users across the enterprise can perform complex analytical processes in a controlled, collaborative and transparent manner. Until now, users had to compromise between analytical complexities, performance and the need to collaborate
- Users can ask and answer ad-hoc 'what if' type questions as they need to be asked without waiting for someone to produce a report. TeraSolve empowers users to ask business critical questions, get empirical insight and take appropriate actions immediately
- As an Intelligent Analytical Application Service, TeraSolve solves the business requirement to continually analyse, consolidate, plan, re-forecast and report in a single application. This ensures that the business sees "a single view of the truth". Why would you use a different software application to perform consolidations, produce plans, budgets, re-forecasts and analyse data?

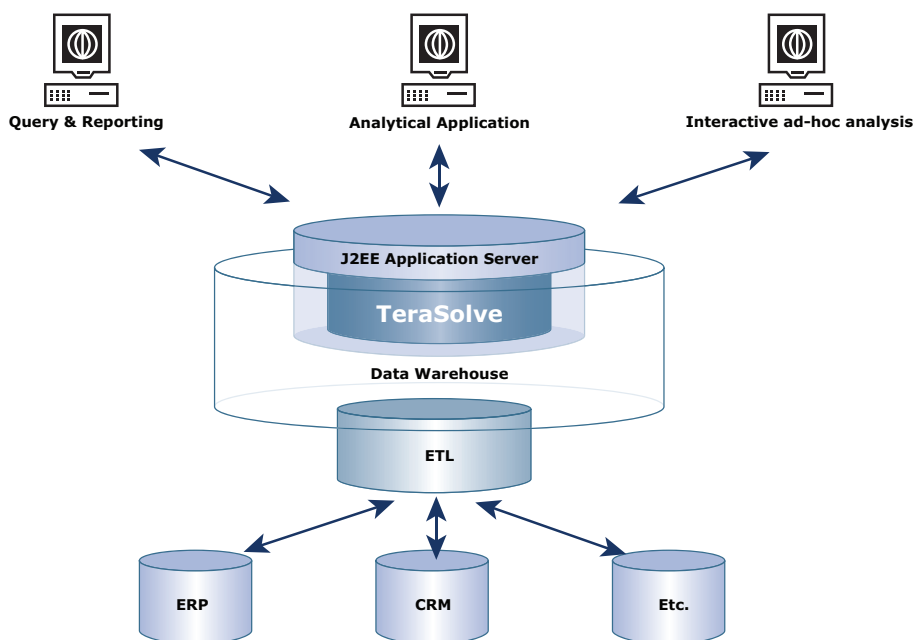
## TERASOLVE KEY BENEFITS:

**4 Key Benefits:** versions of structures, scalability, reliability, integration

STRUCTURES	SCALABILITY	RELIABILITY
<p><b>HISTORICAL ORGANISATION STRUCTURE</b> VS <b>CURRENT ORGANISATION STRUCTURE</b></p>	<p><b>RAW DATA VOLUME</b> vs <b>DATA COMPLEXITY</b></p> <p>1GB 7 Million Transactions</p> <p>10 Dimensions</p>	<p><b>True use of relational database</b></p> <ul style="list-style-type: none"> <li>■ Inherent stability</li> <li>■ Fast recovery</li> <li>■ High availability</li> </ul>
<ul style="list-style-type: none"> <li>■ The bridge between new and old systems</li> <li>■ Accuracy</li> <li>■ Transparency</li> <li>■ Auditability</li> </ul>	<ul style="list-style-type: none"> <li>■ <b>Speed:</b> calculates 10x faster than closest competitor</li> <li>■ <b>Volume:</b> handles 500x greater data volume over closest competitor</li> <li>■ <b>Complexity:</b> handles data complexity with ease</li> <li>■ <b>Performance:</b> enables 1000's of concurrent, interactive users</li> </ul>	<p><b>ACCURACY</b></p> <ul style="list-style-type: none"> <li>■ Patented technology ensure correct answers</li> <li>■ We can show that competing technologies give incorrect answers</li> </ul>

## ARCHITECTURE OF TERASOLVE:

Terasolve uses the Java programming language and is built to be fully J2EE compliant. It also uses an application server, Terasolve is totally open in terms of the underlying relational database and the report writer or OLAP tools that an organisation might wish to use. This means that the organisation can continue with the infrastructure that forms part of their standard operating environment (SOE) while enjoying the considerable benefits that Terasolve adds.





## TECHNICAL BENEFITS

- **Performance:** TeraSolve has an order of magnitude performance advantage over current OLAP and analytic application solutions
- **Massive scalability:** TeraSolve's multi-threaded technology exploits application server based multi-processing environments giving it massive scalability
- **Rapid deploy ability:** TeraSolve's simple schema and autonomic tuning optimisers eliminate the need to optimise applications as deployments grow
- **High availability:** TeraSolve stores all of its data in the underlying relational database thereby utilising the robustness, stability and data integrity of a relational database
- **Support for Enterprise Analytic Applications:** TeraSolve can handle the terabytes of raw data required for today's enterprise analytic applications
- **Support for open standards:** TeraSolve supports industry standard application servers, relational databases and query and reporting tools
- **Hardware platform independence:** TeraSolve is Linux certified and can run on any platform for which leading application server and relational database technology is available



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