Analytics & BI

> **Globally many organizations have benefited from Analytics using structured data. Recently, mobility has enabled access on the go. What still remains to be a challenge is the ability to discover information and derive knowledge from the unstructured data. Such an analysis can enhance the quality and value of the analytics over structured data and even discover new elements.**
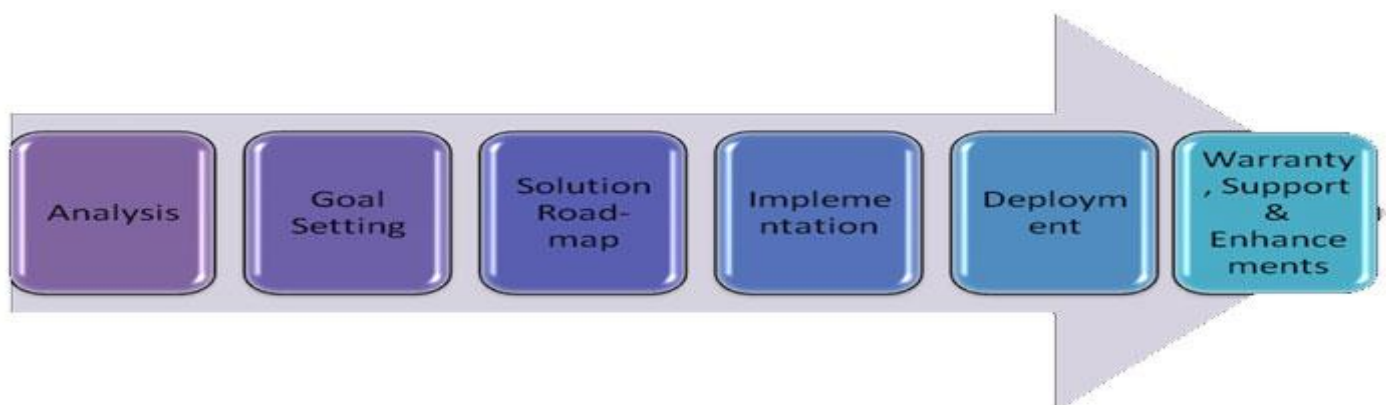
Key Challenges and Issues

- Unclear business vision
- Changing goals and objectives
- Data quality to enable correct processing
- Data marts / Data Warehouse in multiple silos
- Delayed data unload to data warehouse due to inefficient ETL processes
- Non-uniform technology infrastructure
- Challenges in Systems Integration and Multiplatform Support

"According to a Business Week report, the global data analytics outsourcing market stood at $500-550 million in 2010 and is forecasted to be $1.15 billion, by 2015. Gartner predicts that while by 2014, the potential-user population will be 50%, by 2020, this is expected to be 75% and will be soon 100% beyond 2020. New technology enablers, such as, ETL on the fly, Big Data, Data Quality at source, etc. is definitely, likely to hasten its adoption.

Service Offering

Real Time Baryons brings to the table its expertise in Data Management and related integration areas to provide an analytics solution that meets the business needs. We use "Baryons layered solution reference architecture" in the realization of architecture to suite your needs. We offer a comprehensive portfolio of services based on our experience. This along with our "Baryons architecture for Enterprise Mobility," makes it possible for you to get Actionable Information on an Anywhere & Anytime basis. It employs a phased approach.

Analysis

- Our SMEs and Domain experts, work with business and IT managers of the enterprise to identify the Solution needs and the related business and technical requirements.

Solution Road-map

- Then the related SOW and a phased implementation project plan are worked out.
- Baryons uses its value enhancing, reusable ETL and reporting framework to reduce the time-to-market.

Implementation

- The implementation is based on an incremental and iterative approach keeping the business priorities identified during the goal setting phase.
- PoCs will be developed to further validate the reliability and provide a demo to business users.
- There could be more feedbacks at this stage from the end-users which are incorporated into the SOW for implementation.

Warranty, Support & Enhancements

- Baryons will enable user issue resolution and enhancements to ensure that the solution works to meet all the user expectations.

Goal Setting

- A clear business and technical goal is established. The necessary business and technical blue-prints are developed with reference

Deployment

- Baryons consultants will work with the client IT team to deploy and roll-out the solution in a phased manner.
- End user training will be provided.

Benefits

- Provides a decision-support system
- Provides actionable information on demand
- Enables the organization to be pro-active than being reactive
- Provides periodic reports on the key statistics
- Provides ad-hoc reports to enable drill-down and associated detailed analysis
- Facilitates modelling / simulation of scenarios and carrying out a What-If analysis

Technology	Tools/Products
Data Warehouse	Cognos, OBIEE
ETL	Informatica, Microsoft - SSIS
Analytics	SPSS, SAS, Informatica, MS - SSAS
Dashboard & Reports	Business Objects, Cognos, MS - SSRS
Mobility	Baryons Framework

Benefits to our customer Minimal Realization Risk

Baryons Layered Solution Architecture combined with our proven development & deployment methodology ensures that risks, if any, are minimized. Our approach encourages continuous interaction between the client team and our SMEs, Consultants and Architects to ensure goal re-alignment and course correction, as may be required.

Optimal TCO

Allows customers to choose from a product set that can realize the Baryons Layered Solution Architecture. The product set has products ranging from Open Source Products to industry leading COTS software, enabling realization of a optimal framework given the Budget-Vs-Performance requirements.

On-The-Go-Access

The system provides access from any hand-held smart devices/phones and tablets.

Scalability

The Baryons Layered Solution Architecture enables scalability along both the functional and data-volume dimensions

BARYONS
accelerating business