Enterprise Data Integration – Creating Information View from Data Silos

“Enterprises are seeking a lean, mean, and more holistic approach to integration, doing more real-time integration and planning increased usage of enterprise service buses (ESBs) and data services platforms.” - Forrester

Organizations are moving away from outdated thinking that established a point-to-point integration pipeline between the source and the target system. Business today is rapidly moving towards implementing an Enterprise Service Bus (ESB) using Service Oriented Architecture (SOA) principles. This architecture brings in consistency, agility and flexibility in delivering data.

As data integration plays an even greater role in connecting data silos, business users expect this to have various functional requirements, such as adapter capabilities, to connect to Saas/Cloud Applications and HDFS, support industry standard message formats like EDI and HL7, Metadata and Data modeling capabilities, interoperability with Data Quality, Data Profiles and Data Mining capabilities. Supporting various delivery modes like batch/bulk, real-time and federation, have the ability to deploy functionality as services conform to SOA standards.

Trianz understands that organizations are looking to leverage emerging data integration delivery models utilizing PaaS, Cloud and Open Source mechanisms to enable “frictionless” sharing of data in optimized, low-cost, flexible manner.

Trianz is a dynamic, growth-oriented firm that leverages its management consulting, IT, and BPO services to provide turnkey execution services to its clients across high tech, insurance, retail, banking, manufacturing, and life sciences, serving a wide range of clients from Fortune 1000 to emerging companies. Over the past decade, Trianz has developed a reputation for excellence in execution. This enables organizations to achieve results envisioned by their top management by selecting the right execution alternatives and crafting implementation plans. Trianz measures success completely in client terms — the impact we’ve helped create through business execution.
Enterprise Data Integration (EDI) Services Portfolio

Consulting Services
- Perform assessment of Enterprise Data Integration needs and current Enterprise Data Integration Challenges
- Provide Business Case and ROI for various styles of DI implementations
- Advise on best approaches to integrate data from various source systems into EDW
- Recommend best-in-class architecture, tools, and technologies based on business requirements, budget, and future needs
- Provide Roadmap for Data Integration implementation

End-to-end Implementation Services
- Conduct Data Profiling and Data Cleansing requirements
- Document functional requirements for Data Integration needs
- Define Entity and Attribute relationships along with Data Transformation Rules
- Implement...
  - Data Models in EDW / Data Marts
  - Data Quality Rules using DQ Tools
  - Data Integration and Transformation processes using Data Integration Tools
  - Materialized Views for Business Access Layer

Support and Maintenance Services
- Production Support
- Maintenance and Enhancements
- Product / Tool Version Upgrades and Migration

Technologies and Platforms

- **Data Integration** (Informatics Power Center, IBM Data Stage, Oracle Data Integrator, Pentaho)

Industries

- BFSI
- Manufacturing
- Telecom
- Healthcare
- Hi-Tech
- Retail

Trianz Technology Solution Accelerators

Reusable SCD Type 1 and 2 ETL Components
- Reusable ETL Code for populating SCD Type 1 and 2 Tables
- Built from years of ETL Development over 200+ engagements for global clientele
- Reduces Development Time and Costs, incorporates Best Practices, reduces Defects

ETL Audit Component
- Audit component would capture the information regarding number of records read from the source table, number of records inserted, updated in target table, number of records rejected
- Business / IT can reconcile data between source and target tables

Universal Scheduling Component
- Universal Control Component accommodates multiple applications in loading data into Data Warehouse.
- This component can be utilized by multiple applications with little customization or coding
- Ensures standardized development, implementation, maintenance and support

Trianz AIM Life Cycle Process Accelerators

Requirements Process Framework
- CMMI, PMBOK and RUP compliant Processes, Methodologies, Templates and Checklists: Requirements Gathering, Analysis, Documentation, Validation and Signoff
- Establishes Bi-directional Traceability of all Artifacts
- Improved Predictability and Quality of Deliverables; Aligned to Client Needs

Design and Architecture Process Framework
- CMMI compliant Processes, Methodologies / Techniques, Templates and Checklists: High Level Design, Architecture, Low Level Design and Design Validation and Sign-off
- Incorporates ATAM for Architecture Assessment and industry standard Architecture Frameworks
- Scalable and high performance Solution Architectures; Increased ease of Development

Coding Standards and Process Framework
- Tailored industry Coding Standards for different AIM solutions and technologies
- Processes, Methodologies / Techniques, Templates and Checklists: Coding, Code Reviews, and Unit Testing
- Standardized Code; Reduced Errors

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