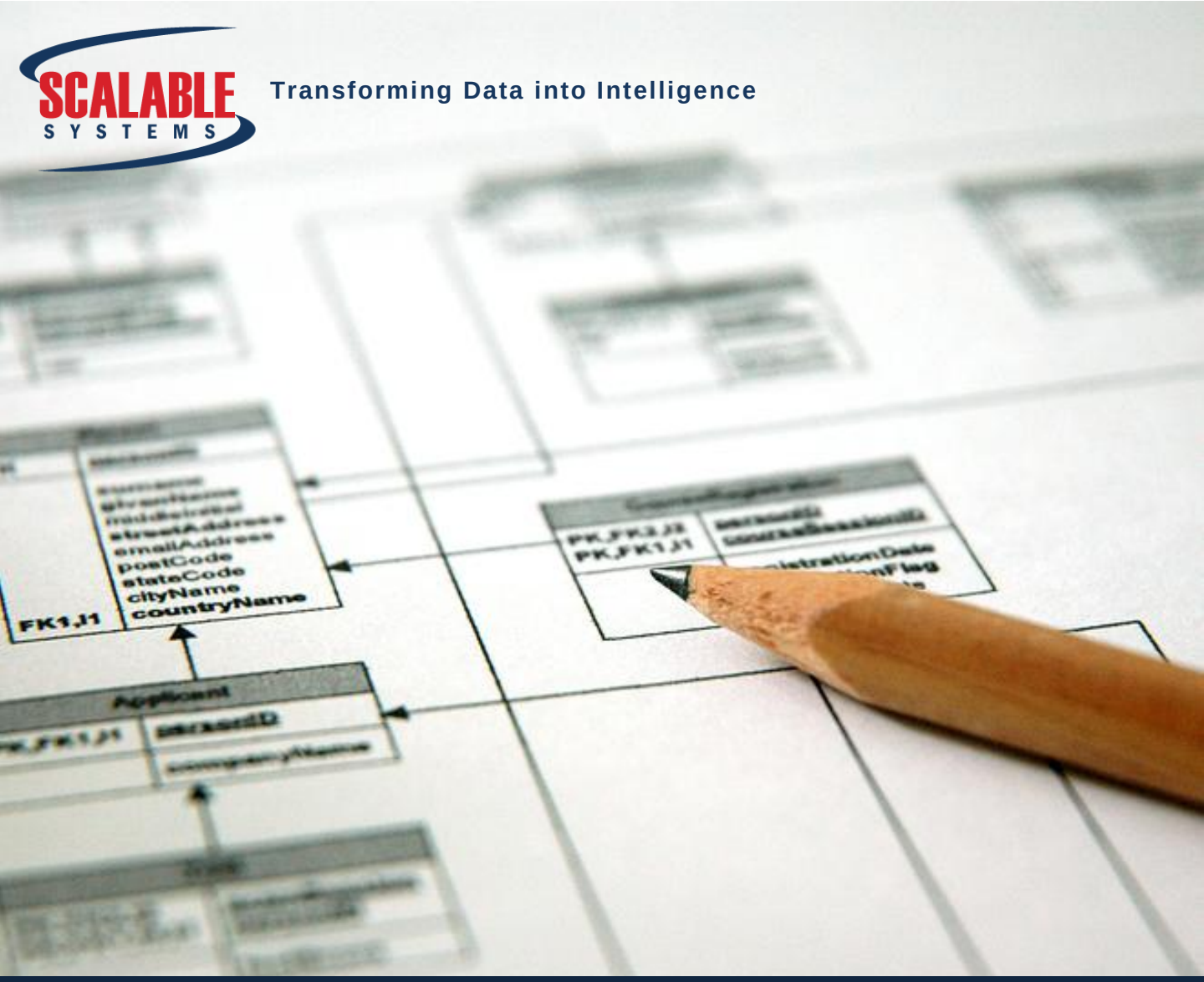
SCALABLE SYSTEMS

Transforming Data into Intelligence



Scalable Enterprise Data Integration

Your business agility depends on how fast you can access your complex data

Big Data
Data Warehousing
Data Governance and Quality
Master Data Management
Data Migration
Data Synchronization

ENTERPRISE DATA INTEGRATION

Although enterprises have invested heavily in business intelligence and data management solutions over the years, the problems concerning data warehousing, data quality and data replication still exist. Managing data assets is an integral aspect of modern day business operations. Changes in market activity, consumer landscapes and technological innovation make it difficult and expensive to keep up with rising data issues. Without the proper data integration tools it is not possible to enable enterprise wide access to information.

Adapting quickly to new enterprise data integration will allow for a transformation in how organizations can prepare for the unknown and adapt to changes in the economic environment. Reporting and analysis of metrics and relevant key performance indicators are a common problem for organizations equipped with obsolete enterprise data management strategies that favor quantity over quality. Too many reports to analyze are the worst way to relay insights to decision makers. Often times a message containing excessive figures and metrics does not accurately relay information to decision makers.

Sleek dashboards and in-depth visualizations communicate insights like never before by converting hundreds of thousands of rows and columns into an aesthetically pleasing and comprehensible piece of knowledge.
As enterprise data management is implemented within an organization the improvements in terms of data integrity, trust, integration, and real time access to data can be great. Reporting environments have been advanced to complex dashboard access through PCs, mobile devices, and tablets. Without accurate solutions however, data will be less of a benefit and more of a burden.

Scalable-Systems have developed cost-effective solutions for improving operational efficiency, minimizing risk and evolving competitive advantage using best data integration tools and technology. Our pre-built industry specific data models combined with data governance best practices and data integration framework can help an organization benefit from their enriched data assets. Our goal for enterprise BI is to take current data policies and introduce new techniques based on mobile, social and cloud technology.

BIG DATA + SMALL DATA + SCALABLE SERVICES =BEST DATA

It helps to understand Big Data by focusing on three main components: velocity, variety, and volume. This correlates to how fast, how much, and how many different types of data are stored and collected within an enterprise. Unstructured and semi-structured information are the hardest to extract insights from due to the difficulty involved with manually organizing hundreds of thousands of columns and rows.

Not only is Big Data cumbersome when left to grow out of control, it also holds an immense amount of potential knowledgeable value. The potential of that value will continue to lie dormant without effective data processing and analytics. With the power of data science and advanced processing systems it is possible to extract rich insights that provide a new perspective and vantage point for decision makers regarding enterprise performance.

Big Data analytics and Big Processing are the keys to gaining business wisdom from the petabytes of machine generated customer service and transaction data accumulated on a minute by minute basis. Once the data is analyzed and the worthwhile parts are kept for insights, organizations can transform themselves into an intelligent enterprise fueled by knowledgeable data-driven insights.

Intelligent data analytics software applications can aggregate and analyze data with the help of data scientists who then extract insights from patterns within the datasets.

For instance, Big Data can be used to analyze customer purchasing habits and general interests through analysis of their online activity or historical data concerning past purchasing habits with a brand. In effect, brand's can develop detailed holistic profiles concerning the behavior and sentiment of consumers. Armed with such knowledge, it is possible for organizations to transform the way they do business and even dramatically increase return on investment as well as overall revenue.

As an early adopter of Big Data technologies such as Apache Hadoop, Scalable Systems Big Data consultants can help from start to finish, regardless of the current state of your Big Data initiative. Scalable Systems can help in every step of your Big Data initiative, including:

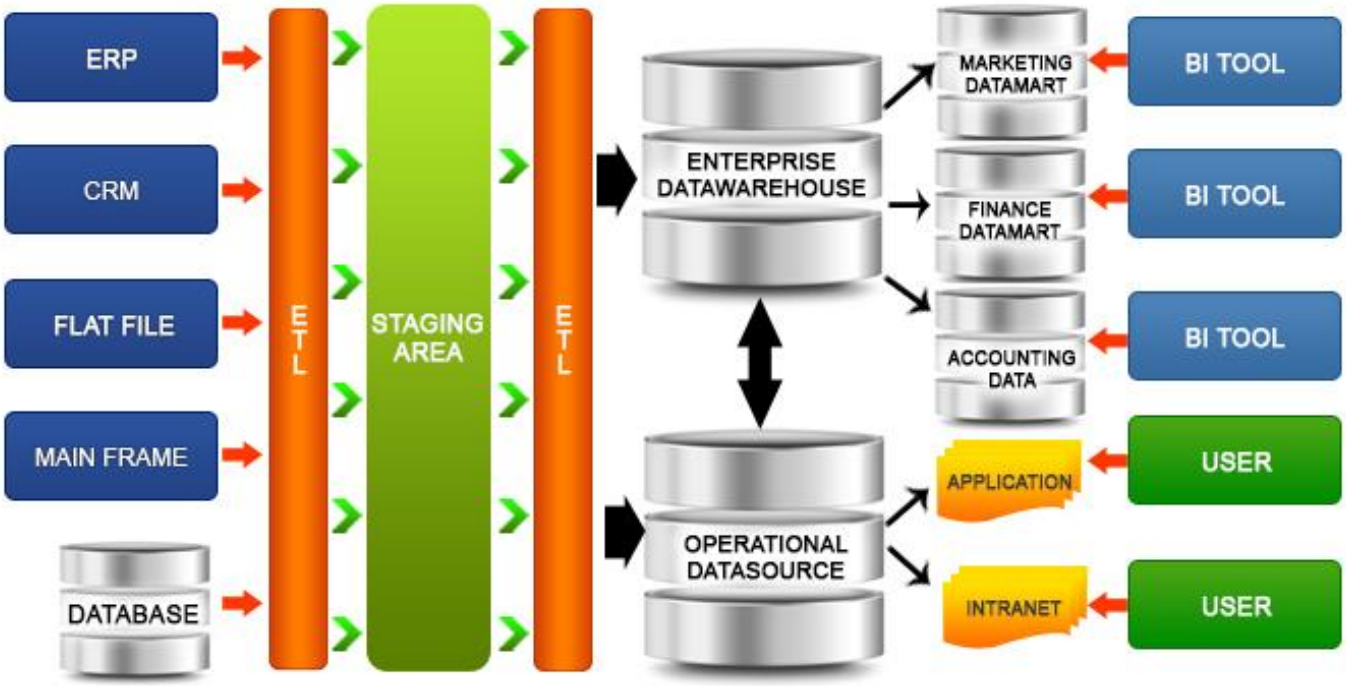
✓Technology Evaluation

✓Proof-of-Concepts

✓System Integration

✓Development, Deployment, and Testing

✓Long Term Support

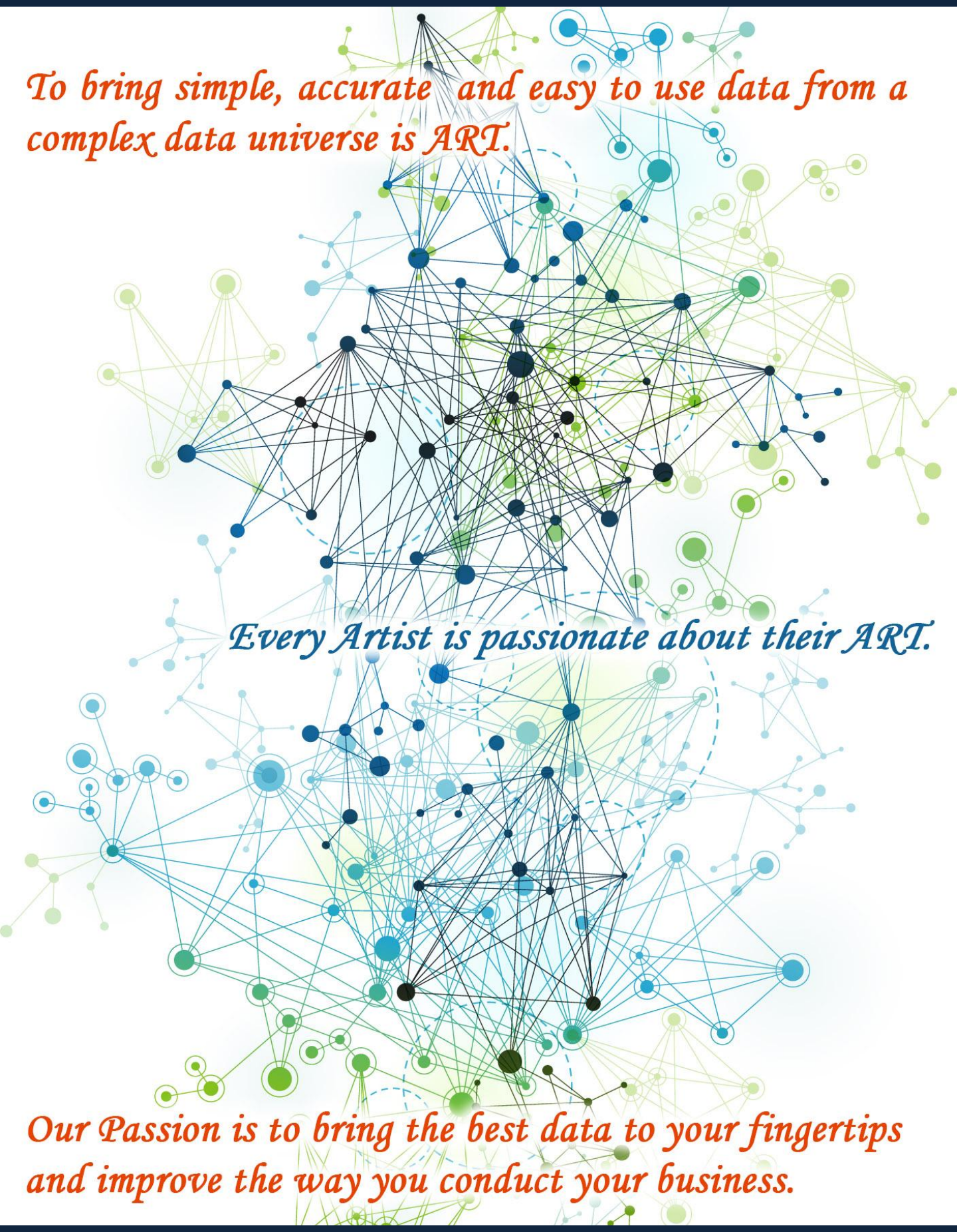


DATA WAREHOUSING

Data Warehouse is a subject oriented, integrated, time-variant, non-volatile collection of data used to support the strategic decision making process of the enterprise. Data warehouse provides a common view of enterprise data. With minimum daily update data warehouse's provides clean and validated data which can be further used for analysis and decision making processes. Due to its history retention, data warehouse can grow to become the largest database in the enterprise.

Building large scale data warehouses faces numerous challenges such as: sound data warehouse design, managing volume, granularity and partitioning of data, data profiling, maintaining data quality and integrity, data summarization and building intermediate data staging areas and operational data store to be used in production systems.

Scalable Systems specializes in all types of data warehousing architecture including Bill Inmon`s corporate information factory architecture, Ralph Kimball`s data warehousing methodology, dimensional modeling, and many more. Scalable Systems specializes in all major ETL and data integration software packages including Informatica, Abinitio, Data stage, and Data cleansing/management software like Trillium, Dataflux and Syncsort, etc.


To bring simple, accurate and easy to use data from a complex data universe is ART.
Every Artist is passionate about their ART.
Our Passion is to bring the best data to your fingertips and improve the way you conduct your business.

MASTER DATA MANAGEMENT

Organizations who use data relay on its integrity, quality and availability of this precious resource to aid in decision making and business processes. However, poor data quality is an enterprises worst enemy, to put it into perspective imagine a single customer's information spread across multiple disparate systems and applications. Is the information consistent? Does this customer have several unique identifiers due to different phone numbers or emails entered? Perhaps there are entries with and without the individuals middle name, regardless this example can represent the growing problem organizations face today - poor data quality. MDM can help organizations prevent information silos from forming and ensure data quality across desperate systems and applications, having profound effects on your organizations bottom line.

Scalable Systems' pervasive MDM solution ensures data quality, removes inconsistencies, and integrates data throughout all systems for any possible context. In today's data driven economy, datasets may as well be considered goldmines. Consolidated access combined with reliable data concerning business health, product performance, customer interactions and employee productivity are some of the various benefits that result from MDM.

Multi-domain MDM solutions provide and ensure consistent reliability of data, contributing to a holistic and trustworthy view of an enterprise and its customers. After implementing MDM it is possible to optimize product development, marketing campaigns, or customer sentiment data to accurately view their wants and design products and campaigns perfectly suited for specific demographics. For instance, product data management helps to optimize the development process and optimize the initial launch period for new products.

Accomplishing goals with effective business intelligence depends on accurate data. Scalable Systems' solution ensures data integrity and quality while also providing applications for consolidated reporting and analytics. Resolving inconsistent and duplicate data is also one of the main strategic goals of MDM. Our solution can result in a drastic decrease in time spent on aggregating and organizing data from several systems. By integrating the information within enterprise solutions it is possible to eliminate excessive time spent on data searching while optimizing product development.

DATA QUALITY & GOVERNANCE

It would be fair to say that no one in their right mind would cross a busy highway wearing a blindfold. Often times this analogy serves as a perfect description for the way most enterprises utilize data for decision making. Depending on low quality data will end up resulting in decision making that leads to expensive accidents and troublesome failures.

Optimal data warehousing and analytic capabilities combined with a proper master data management solution can provide accurate and authoritative views of customers, employees, projects, and products. Data quality can be consistently monitored and cleansed for all possible applications which can help spur successful business outcomes. Enterprise applications and data governance also help to provide strategic views of all data quality issues.

Data governance encompasses all aspects involved with implementing game changing data-driven strategies that work to accurately manage risk, increase operational efficiency, and evolve financial performance; all by way of harnessing the enormous amount of data at an enterprises disposal.

Creating an in-depth data governance strategy is necessary in order to drive any sort of improvement in operational efficiency, financial performance or risk management.

Agility and size efficiency are the key components to effective data governance and data management. Without seamless access to high quality data that is both secure and trustworthy, it is near impossible to implement an effective governance strategy for modern day data requirements.

With Scalable-Systems' Enterprise Data Integration and Management solutions it is possible to find hidden problems with data quality, track data issues in real time, obtain authoritative profiles of products or customers, and establish seamless access to information within an enterprise.

Scalable Systems' enterprise data integration solution provides data quality that is guaranteed trustworthy and dependable for use by key decision makers across an enterprise. A company should be able to trust in all of its data. Once that trust is established it is possible to use quality data driven insight to enhance all business projects and applications.

DATA MIGRATION / SYNCHRONIZATION

Maintaining the integrity of data is vital to a successful enterprise data management solution. Prior to advanced data warehousing strategies the integrity of data was checked manually and after a long and thorough overview was eventually migrated. In today's fast paced business environment there is no time for such lethargic means of ensuring the integrity of data. Financial and client data spread across multiple systems requires data synchronization and migration so that certain systems do not possess faulty data that can sideline data driven decision making.

The healthcare industry for instance uses data from multiple hospitals that require comprehensive data synchronization and migration. Clinical data as well as advanced clinical implementations are dependent on the integrity of data across a variety of applications and systems. Organizations equipped with high quality data synchronization will benefit from the ease of deployment within an enterprise, the low learning curve, and the ability to maintain a detailed audit trail pertaining to the consistent updates provided by the system.

The original method of investing large amounts of capital into centralized data centers with massive servers is a relic of the past. Data migration focuses on the automation and streamlining of data through a combined strategy involving methodology, service and technology. The migration process is made possible by pursuing unified, open, and comprehensive data integration.

Accurately cleansed and quality ensured data is the key to successful enterprise data management and integration. If decision makers are presented with poor analysis due to faulty data, not only has the primary decision maker's valuable time been wasted, the efforts made to migrate the data were wasted as well.

Real time processing of data is the future of business intelligence and enterprise data integration. Never before has it been possible to synchronize data delivery so that data remains high in quality while also assisting operations and transactions in real-time. Accurate data synchronization allows for consistent and authoritative sharing of data across the entirety of an organization. Not only is this process incredibly efficient, it is also cost-effective and is a perfect way to solve the burgeoning costs of IT operations. Arming an IT department with data synchronization will allow for increased data accuracy, consistency and economical operating costs.

Successful utilization of data synchronization and data migration can empower an organization to reduce costs, avoid errors, and minimize risks associated with enterprise data integration. After implementation it is possible to access almost every single data type in any given system within an enterprise. Synchronizing data allows for organization of structured, unstructured, and semi-structured data in all types of formats across packaged applications, integration tools, appliances, databases, and mainframes.

SERVICE ORIENTED ARCHITECTURE

Once an organization moves forward with enterprise data integration they often require a distributed model for managing and building enterprise software through service oriented architecture. Managing enterprise software can be tricky because of the abundance of services within the various systems of an enterprise. Businesses across the board have been bogged down by the variety and volume of software technologies used throughout their operations. By integrating services into a more seamless process it is possible to transform operational organization and efficiency for companies in all industries.

Strategic business transformation is possible through Scalable Systems service oriented architecture solution. Our approach effectively aligns software with the unique needs of an individual business and creates portfolios of all relevant enterprise capabilities. Process management is also optimized resulting in agile response to any and all business scenarios. There is also an event processing capability that predicts and monitors potential problems and delivers a warning when necessary. SOA has the capability to transform the enterprise in a scalable and flexible way. Implementing SOA across an organization allows for pervasive visibility of information and oversight of the entirety of services and additional elements that contribute to enterprise data integration.

SOA also gains knowledge from pre-existing resources by utilizing current services and skills as a means to integrate historical as well as real-time analysis of the ecosystem involving partners and developers. To sum it up, our solution does everything an organization could need in terms of approaching enterprise data integration and management with a dependable and integrity based strategy.

Scalable Systems SOA solution contributes to enterprises sophistication as well as increased flexibility to adapt and respond to unforeseen data management obstacles. Improved decision making is inevitable by enhancing the speed and connectivity between a business and its data. Understanding your own enterprise, the actions or interest of clients and the wants and needs of customers is easier than ever with a successful SOA approach to enterprise data integration. By using data pertaining to personnel progress and sales representative's performance it is possible to create holistic employee profiles, similar to customer interaction profiles optimizing productivity and streamlining HR.

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About Scalable Systems:.

Scalable Systems is a global software consulting, development and IT outsourcing company providing both onshore and offshore software solutions and integration services to business enterprises around the globe. Scalable Systems has proven expertise in encompassing low cost, but high quality and reliable software solutions and services in areas like Data Management, Business Intelligence, Content Management and Application Development.

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