DataAdapt for Warehouse Augmentation

Challenges
Data growth stressing EDW
Current tools & technologies cannot keep up with increasing analytic workloads

Results
Greater efficiency for data architecture
New opportunities for businesses
More flexible, bottom-up approaches

Simplifying Data Analysis
Explosive growth of new types of data has stretched the Enterprise Data Warehouse (EDW) to its limits, and current tools and technologies designed to handle the load that new data sources and analytic workloads bring to an EDW are too complex and costly. ViON understands these challenges and through data warehouse augmentation with DataAdapt, we provide these capabilities to the enterprise while enabling cost savings and flexible access to all enterprise data.

Business Problem
Traditionally, EDWs accumulated and transformed business transactions to support both operational and strategic decision making. Each aspect of EDW architecture performed a particular function, from acquiring data to integrating data components between layers and controlling access to different users.

Data Acquisition
- Data
  - HR, Payroll
  - Billing, ERP
  - Other Products

Data Integration
- Extraction Process
- Staging
- Transform and load

Data Repository
- Warehouse admin, tool
- Central metadata

Analytics
- Marketing
- Consumer
- Agents

Presentation
Changes in the demand for data analysis has been driving the need to implement new technologies that enable organizations to capitalize on the volume, variety and velocity of their data. These new business requirements have fueled the demand for a Big Data platform to address the limits of the current platform or the existing warehouse environment, the kind of data to be analyzed, the timeframe to obtain this analysis, etc.

ViON’s solution

With new technologies, such as Hadoop®, organizations can now consume and analyze large volumes of semi-structured data in a more cost-effective fashion. Big Data technology complements traditional, top-down, data-delivery methods with more flexible, bottom-up approaches that promote ad hoc exploration and rapid application development.

Augmenting the existing data warehouse environment with DataAdapt can help organizations by powering analytical applications and facilitating the implementation of new and different approaches. DataAdapt can be applied as a landing zone for source data, a repository for historical data in the warehouse, or a data source for exploratory analysis. Expensive ETL processes can be moved into the Hadoop environment to cost effectively increase capabilities.

DataAdapt Powered by Hortonworks Data Platform (HDP) or IBM BigInsights provides Hadoop for the enterprise through a centralized architecture of core enterprise services for any application and any data. The elements of this architecture comprise data storage, data access, governance, security and operations. In addition, all components are developed in open source and rigorously tested, certified and delivered as an open platform. The resulting secure, enterprise-ready platform accelerates the migration to a Hadoop based environment.

The benefits of ViON’s solution are:

- **Lower cost** of storage
- **Greater efficiency** for data architecture
- **Optimization** of data processing workloads
- **New business opportunities** through access to enterprise data
- **Increased insight** through multi-use and multi-workload data processing on the same sets of data, from batch to real-time

For more information, please visit our website at vion.com/dataadapt or contact us at info@vion.com.

About ViON

Designing and implementing innovative solutions that meet dramatically changing IT requirements is ViON’s mission. With over 35 years experience, we’ve grown from a small product reseller into a leading systems integrator. We focus on data management, so you can focus on your organization’s success. We’re on the leading edge of Big Data and Cyber Analytics, Cloud, and Storage.