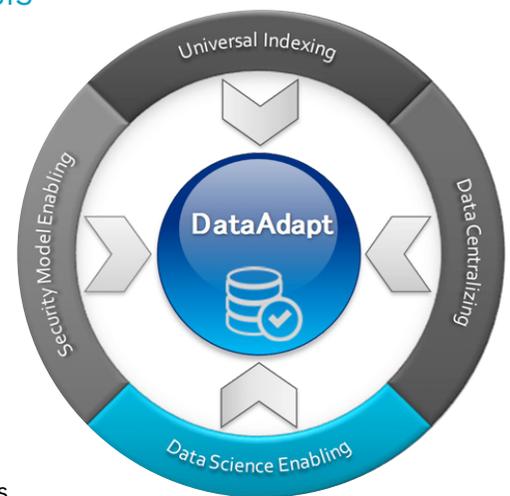# DataAdapt for Operational Analysis

Challenges

- Search complex and diverse large datasets
- Store and integrate existing or new data and systems
- Dated platforms are deferring data science enablement
- Big Data stored poses a security threat

Results

- Search on all data through single user interface and API
- Bring in all types of data and run quickly advanced analytics
- Unified solution allows access to industry-standard tools
- Integrated platform ensures data protection

Leveraging Data Analysis

The exponential growth of human activity and machine data, which can include anything from IT machines to sensors, meters and GPS devices, is a leading justification for big data solutions. Leveraging this data requires complex analysis and correlation across different types of data sets and presents a definite challenge to many organizations. ViON understands these challenges and with its DataAdapt platform facilitates operational analysis by centralizing data in a universal index, enabling analytics and data science while ensuring protection and governance.

Universal Indexing

Organizations are storing an inordinate amount of data but are not able to capture its value and actionable information. To do so requires time, effort, and expertise to create hand crafted search features and access solutions for each user group.

ViON's DataAdapt platform is built to provide complete visibility and search in the data across fields, records, data types, and dimensions, at Internet-scale through a single API. Datasets are ingested and secured only once while directly supporting multiple applications, thus simplifying and shortening the task. The other benefits are control access on a per-dataset level, easy search, share and scalability.

The benefits of ViON's solution:

Identify likely outcomes with predictive analytics

Choose best course of action through prescriptive analytics

Gain insights into operations through monitoring and reporting tools

Achieve faster results by leveraging the Hadoop Ecosystem

Analyze entire data pool, not just a sample

Access the latest technology releases and software updates

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

Data Centralization

Storing huge amount and types of data presents, among other things, an overwhelming infrastructure challenge to organizations with the need to create a comprehensive platform to integrate existing or new data and systems into business-critical production applications.

ViON's DataAdapt platform allows different business users to ingest any type of data, discover the information contained, run advanced analytics immediately and build web applications based on the results. All these functions are performed while control and security are maintained throughout.

Data Science Enablement

The desire to establish scientific modeling capabilities in-house is thwarted by the existing legacy data platform found in many organizations. Mistakenly, data science is hence delayed until the data organization task is completed.

ViON's DataAdapt platform offers the only unified solution allowing data scientists, stewards and developers to manage and deploy new analytics by incorporating four core production capabilities that include ingesting any type of data; discovering and interrogating data in real-time; providing built-in granular data access control security; and enabling quick creation and deployment of analytics with industry-standard tools. These capabilities bring big data to production in a fraction of the time currently needed.

Enterprise Security Model

The rise of Big Data has increased security and governance challenges as large aggregated data stores present an attractive target to hackers and Big Data stored in cloud environments increase the size of the threat. Even worse, data access control and auditing are poorly integrated.

ViON's DataAdapt platform ensures data protection and governance by its integrated design. From the start, DataAdapt is designed to secure and scale all data and analytics and support the development and production workflows in the same platform.

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