Transforming the Public Sector With Big Data Management.

Public sector agencies have more data available today than ever before. With new sources of data such as high-resolution satellite imagery to traditional sets of data such as census records, public sector agencies have the opportunity to be more efficient and more responsive to constituents for greater social impact. Meanwhile, significant changes to regulatory architectures such as the U.S. Patriot Act, the U.S. Affordable Care Act, the Australian Privacy Act, and Basel II mandate stricter enforcement of data security and compliance procedures.

This presents a challenge: In order to glean more insights from their massive data stores so they can deliver better services and drive greater efficiencies, public sector organizations need to transform data into assets. At the same time, they need to protect constituent data from becoming a liability by applying greater protections and complying with regulations.

Agencies are discovering new ways to harness big data to more effectively deliver on many very different public missions, depending on service. Healthcare and transportation, for instance, are becoming more data-driven for more precision outcomes. Education is leveraging data in unprecedented ways to proactively identify potential student churn. And in a world facing increasing defense threats, data is critical to empower forward-deployed teams with the intelligence they need to successfully execute defense objectives.

With data affording so many opportunities for public good, as well as new platforms such as Apache Hadoop at their disposal, public sector agencies are poised to use big data to deliver more effective public services for greater social impact.

The Challenge

Data analysts in public sector agencies are constrained from the valuable insights afforded by unfettered access to data because of the growing volume, variety, and velocity of data. They spend too much time manually trying to find and, then, reconcile data that is fragmented, duplicated, inconsistent, inaccurate, and incomplete across government organizations.

The resulting delays accessing necessary data and sharing it with one another have hampered their ability to deliver reports and predictions in a timely fashion. This has the potential to adversely affect public outcomes, contrary to their charter.

Traditional solutions to these challenges have required expensive, manual, and time-consuming processes or the integration of fragmented point solutions. Instead of quickly acting on newly acquired data, analysts have endured weeks of waiting to get useful data. A systematic approach to big data management would enable data analysts to more quickly and repeatably extract insights from more data without more risk.
Key Benefits

Find any data and discover relationships that matter
Informatica’s Big Data Management enables data analysts to find any data and investigate the relationships that matter for more accurate and targeted analytics. Informatica’s automated machine-learning-based data discovery enables them to not only find new data, but also uncover new relationships that would be otherwise challenging and time-consuming to manually determine. Informatica’s real-time matching and linking of big data accelerates and perfects they master data and discover data relationships across all mission-critical data.

Quickly prepare and share the data you need
Informatica’s Big Data Management enables data analysts to quickly prepare and share data in order to deliver the timely analytics required to best deliver on an agency’s mission. Informatica ingests any data at any speed—with faster, more repeatable data processing—and delivers data anywhere, so decision makers are equipped with the data they need to serve their constituents and agency missions efficiently and effectively.

Informatica’s multi-persona interfaces and rule builder empower effective collaboration among data analysts, data stewards, and other business users so that big data is quickly transformed into trusted insights. Informatica’s self-service data preparation provides faster access to more trusted insights with built-in data lineage, enterprise-wide data asset discovery, smart data set recommendations, and crowdsourced data asset tagging and sharing. In other words, the right people get the right data at the right time.

More trusted insights from more data without more risk
Informatica’s Big Data Management enables data analysts to get more trusted insights from more data without more risk. Thanks to built-in security and governance, agencies can depend on Informatica’s architecture to feed mission-critical analytics without risking confidential public data.

This gives data analysts a trusted 360-degree view of constituent data and other sensitive data across government agencies. With this 360-degree view of data, analysts can deliver higher quality services to their agency constituents and deliver on their agency missions more exhaustively.

With Informatica’s market-leading platform, proven methodology, and strong partner ecosystem, more big data can be pressed into public service quickly and repeatably without putting agency or constituent data at risk. Establish Big Data Management as part of your information management strategy today and have confidence not only in your data but also in regulatory compliance as you successfully deliver the best outcomes possible.

About Informatica
Informatica is a leading independent software provider focused on delivering transformative innovation for the future of all things data. Organizations around the world rely on Informatica to realize their information potential and drive top business imperatives. More than 5,800 enterprises depend on Informatica to fully leverage their information assets residing on-premise, in the Cloud and on the internet, including social networks.