Io-Tahoe Leads the Way to Continuous Automated Governance

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Abstract

On March 19, 2019, Io-Tahoe, a smart data discovery and data catalog software vendor headquartered in New York City, NY, released the latest version of its Smart Data Discovery platform, which now includes Smart Streaming Discovery. This new release allows Io-Tahoe's customers to discover personally identifiable information (PII) and other sensitive data "in motion," enabling continuous automated data governance and regulatory compliance.

This ENTERPRISE MANAGEMENT ASSOCIATES® (EMA™) impact brief covers the release and identifies Io-Tahoe as a leader and an innovator in the smart data discovery space, with an emphasis on AI, streaming, and the expanded automation of data governance.

Automate Data Governance for Data in Motion

With continuously expanding network bandwidth and record amounts of data in motion, the need for data protection is paramount. Io-Tahoe's release of Smart Streaming Discovery addresses this trend toward streaming data and the use of streaming data platforms as the data operating systems of the enterprise. This release also addresses regulatory compliance and risk management requirements being driven by GDPR and the upcoming California Consumer Privacy Act (CCPA).

At the point of publication, EMA is not aware of any other vendors that are identifying security-sensitive data in motion, especially in the context of a complete solution for the continuous automation of governance. By applying advanced machine learning algorithms to fast data, Io-Tahoe provides customers with the ability to demonstrate a level of security and privacy not attainable by human means and not feasible in a "build it yourself" model.

Rohit Mahajan, Io-Tahoe's Chief Technology and Product Officer, said, "Not only will organizations know what data they have and where it is located, they will now have the ability to understand what data is sensitive and flag it before it lands in data stores. This real-time insight is invaluable for businesses to proactively manage PII and sensitive data as opposed to discovering such data after it lands in the target data source."

Io-Tahoe now has a complete automated data governance solution for both data in motion and data at rest. Smart Data Discovery with Smart Streaming Discovery will quickly and automatically detect PII and other sensitive streaming data in structured, semi-structured, and some unstructured formats, across a variety of data sources—relational data stores, data warehouses, data lakes, and the cloud. The platform uses deep learning techniques to automatically tag the data as sensitive. Automated tagging allows subject matter experts to focus on critical next steps, like remediation, policy changes, and enforcement of governance.

The latest version of Io-Tahoe's Smart Data Discovery platform, with its new Smart Streaming Discovery and automated governance feature, is available now. For more information, visit: https://io-tahoe.com/smartstreamingdiscovery

EMA Perspective

Digital transformation is driving the acceleration of streaming adoption. Most organizations now engage prospects, customers, partners, and/or employees using mobile devices and the Internet. In addition, data from sensors and other devices connected to the Internet fills networks with massive data. Five years ago, streaming was a niche solution for a small set of use cases. Today, it is mainstream.

According to recent EMA big data research, more than three of every four big data projects involve a streaming use case. In addition, streaming data platforms came out as the number-one platform implemented in 2018 as part of big data programs.

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EMA sees three shifts in the data management market that align with the Io-Tahoe announcement:

- The volume of sensitive data in motion at any given time continues to be a risk to organizations that depend on privacy for brand, regulatory, and compliance issues.

- The use of AI and machine learning to increase the reach of data cataloguing, master data management, and data governance is mandatory given the continual growth of both data in motion and data at rest.

- AI and machine learning will continue to drive automation in modern data management. The value of automation will be measured in the savings of time, resources, and money; but the highest value will be an increase in the speed of innovation.

EMA considers Io-Tahoe be a leader in the use of AI and automation for data governance, data cataloguing, and especially for streaming data. The machine-driven discovery of PII and other sensitive data in motion raises the bar for competition and creates significant barriers to entry for newer startups. The automation of repeated tasks frees subject matter experts to work on more impactful activities. For companies that want to demonstrate higher, more competitive levels of data privacy and security, EMA recommends a closer look at these new product offerings from Io-Tahoe.

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