FRAUD KIOSK

PROBLEM

Improper payments, waste, fraud and abuse are major challenges to federal agencies that are difficult to fully address and mitigate with current analytics solutions

- Current federal service offerings, including the Bureau of the Fiscal Service's Do Not Pay (DNP) Business Center focus primarily on matching customer payment files with existing data from various sources.
- These services are a great start, but may be improved with predictive modeling tools and machine learning analytics that enhance the ability to detect fraud, waste, and abuse by locating patterns within the data.

SOLUTION

The Booz Allen Hamilton Fraud Kiosk solution leverages advance analytics and predictive modeling techniques to tackle a variety of data and payment challenges

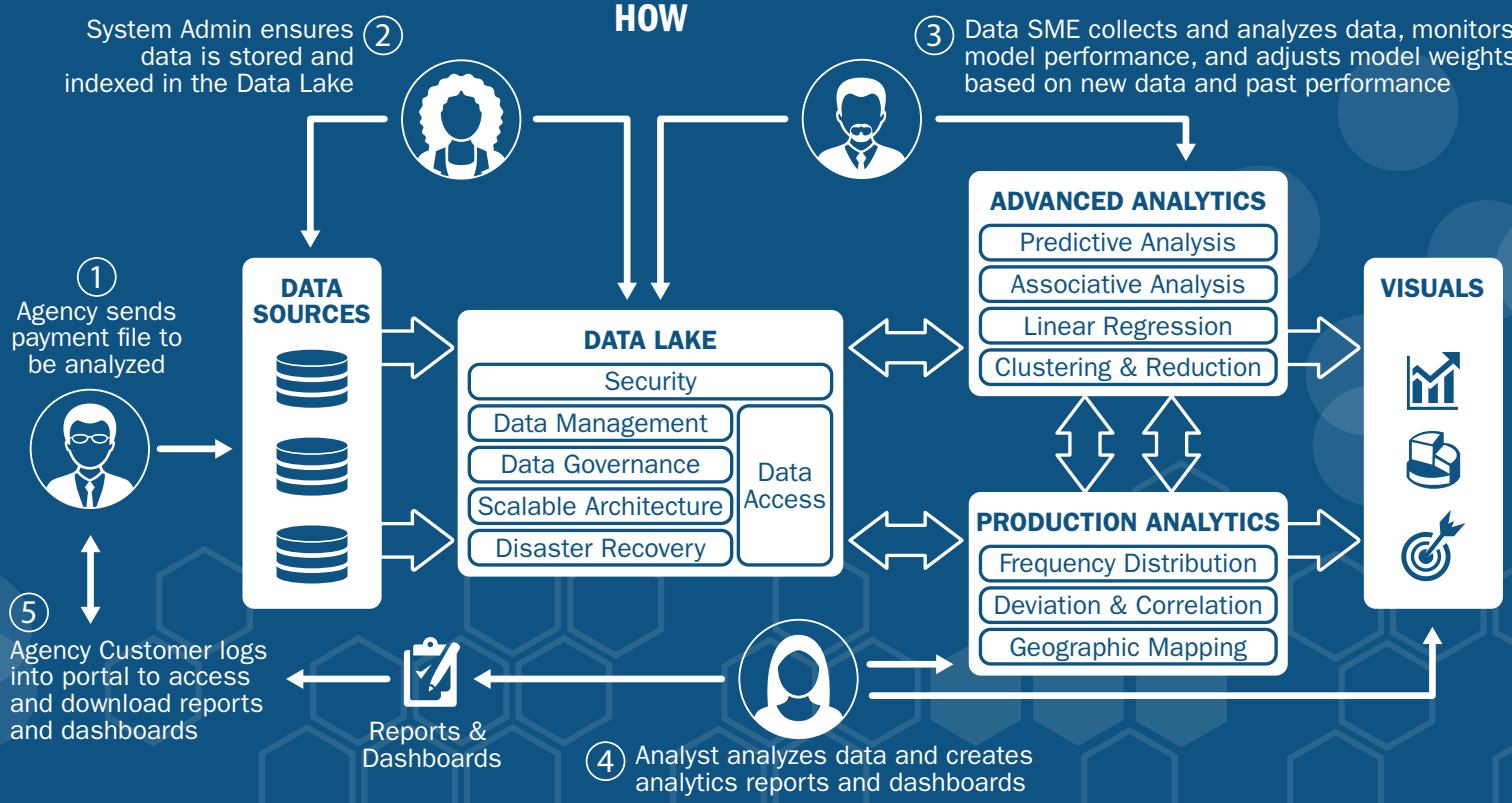
- The objective of the Fraud Kiosk is to enhance data analytic capabilities. The system leverages the Booz Allen Cloud Analytics Reference Architecture to easily ingest and manage various datasets while providing scalability for future growth and generating predictive insights into your data.
- The Fraud Kiosk utilizes a front-end user interface with pre-packaged Extract, Transform, Load (ETL) tools and predictive modeling algorithms that showcases the power of the Data Lake and its ability to create a platform for advanced analytics.
- The Fraud Kiosk utilizes machine learning algorithms, and leverages data visualization tools such as Tableau and Orange to display data in an interactive dashboard. This data can be used to generate reports or provide data "drill down" functionality so an analyst can perform a deep dive analysis into the data and capture insights.

WHO

Four primary user groups interact with different components of the Fraud Kiosk environment

- Internal Stakeholders
- Analysts
- Data Subject Matter Experts (SMEs)
- Systems Administrator

HOW



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