

Algorithms and Insights Management System:

“It’s like the Netflix for Algorithms”

« With AiMS businesses have an end-end view of the complete lifecycle of an algorithm with visibility on who produced the algorithm, and who is consuming insights from the algorithms. **Have stronger control over compute and storage costs.** »

KEY BENEFITS

1. Reduce Cloud Overspend: Manage complex, cross-platform, environments with distributed algorithms and reduce compute and storage waste by **20%**.

2. More Visibility: Drastically improve your visibility enterprise-wide on who is producing algorithms, who is consuming the insights, and how much bytes are being read and written to storage.

3. Scale: Develop unlimited number of advanced machine learning algorithms, with AutoML (MAADS) and use Viper and Kafka to scale your business with complete control over compute and storage costs.

4. Auditability: Kafka stores every prediction by sharding the data. No matter if you make 1000, or 100 billion predictions per day, from thousands of algorithms VIPER and Kafka work in-sync to manage the process and deliver the insights.



< For more information on AiMS, VIPER and MAADS
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Overview

Businesses are often challenged when it comes to managing information in distributed environments. The adoption of cloud platforms for storage and compute adds additional complexity in the management of data, algorithms and insights. These platforms not only increase costs for businesses, but also increase the **risk of wasting cloud resources** due to lack of use, or lack of visibility on how or who is using, or not using, these resources. It is estimated that businesses with more than 1000 employees spend upwards of **\$6M/ year on cloud services and that 35% (or \$2M) is wasted** due to lack of use of these services, but companies' still get charged by cloud vendors.

Cloud use and spend is rapidly growing due to increased use of analytics (compute) and data (storage), which **becomes more important for businesses to ensure there is proper visibility, governance and policies in place to reduce cloud waste**, while still maintaining agility and innovation. If services are not used, they should be immediately stopped to reduce the potential cloud overspend: **AiMS helps businesses to reduce the potential cloud overspend from unused machine learning algorithms and insights.**

Algorithms and Insights Management System (AiMS)

AiMS is a dashboard, powered by MAADS-VIPER, that gives administrators a complete end-end view of who is producing algorithms, and who is consuming the insights from these algorithms. With the **ability to deactivate algorithms and their associated insights to prevent further usage of storage and compute** cycles on cloud platforms from the algorithm. Administrators can also **auto-deactivate topics, and auto-create tickets in ServiceNow** if algorithms have not been used for x number of days.

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As algorithms become more prevalent due to the rise of Auto-Machine Learning (AutoML) technologies like MAADS, businesses will need to manage the entire lifecycle of an algorithm from creation

to deployment to consumption of the insights by users. **An administrator has a dashboard view of all topics with the ability to deactivate unused algorithms: this can substantially reduce cloud overspend by 20% or more.** AiMS is compatible with Apache Kafka running on Amazon AWS, MS AZURE, Google GCP, and Confluent Cloud.