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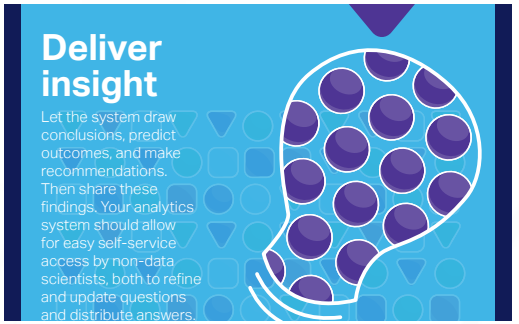
Introducing the Future of AI and Analytics
GET STARTED

OpenText Magellan

OpenText Magellan is a flexible artificial intelligence (AI) and analytics platform that combines machine learning, advanced analytics, and enterprise-grade business intelligence (BI) with the ability to acquire, merge, manage, and analyze structured and unstructured big data.

As a unified platform, Magellan dramatically reduces the time, effort, and expertise necessary to implement the technologies required for an AI and analytics solution, absolving an organization of dealing with installation and integration headaches, and allowing it to immediately focus on what is important: the analysis of its data. This means businesses of all types have a cost-effective and timely method of leveraging machine learning to drive their critical decisions. Magellan discovers insights from big data and empowers IT teams, operational users, and business analysts to share findings, make more informed decisions, and take action with impact.

Read: Infographic



The steps to enabling AI and machine-assisted decision making

How Data Flows Through Magellan

Ingestion

Right out of the box, Magellan is capable of ingesting almost any kind of digital data. For unstructured data, the system comes with crawlers that are capable of capturing information on web pages, blogs, tweets, Facebook comments, and more. CMS connectors can acquire unstructured documents such as contracts or maintenance records, and IoT data can be collected via streaming through message brokers. Relational sources can also be connected via commercial vendor or open source connectors. The method of acquisition changes depending on the type of data in question, but Magellan is capable of ingesting highly complex data, regardless of its format.

Data Discovery and Analytics

Ingested data then flows into the data discovery, predictive analytics, and text analytics features for preparation, cleansing, and transformation (including mapping, enrichment, and persistence). Ingestion can be easily automated and routed to different systems depending on the data type and purpose, allowing users to see an immediate enhancement in their productivity due to a reduction in manual hunting for information. With the ability to easily enrich, analyze and share insights, the organization can focus on listening to the data and using it to guide their decisions moving forward.

Artificial Intelligence

AI-enabled analytics and Machine Learning are central to Magellan's platform. The data discovery and predictive analytics feature comes with pre-built Machine Learning routines--such as Decision Tree, K-means, Holt Winters, Regressions, and Association Rules--but those are only a few of the many possibilities. A majority of the Machine Learning algorithms will be created by data scientists in Python, R, or Scala code using the Magellan Notebook and Spark's built-in MLlib library. This means that data scientists can create complex algorithms and processing routines, then share them with operational users who leverage them to create meaningful insights against their own data without having to understand the underlying science.

Magellan's Natural Language Processing also leverages Machine Learning to analyze unstructured data, uncovering patterns, concepts, and topics that are important to the business.

Machine Learning, by its very nature, improves as it trains. As such, Magellan's understanding of the enterprise's data landscape improves over time, gaining ever better and more accurate insights for the organization as it learns.

Self-Service BI

After data is processed and analyzed, it can be shared with operational users leveraging Magellan's self-service reporting and dashboarding component. Analytics results and data are accessed by users and quickly turned into interactive and highly contextual dashboards and reports that can be shared with other users of the system. This increases the value of analytics by sharing results across the organization in easy to understand, interactive visualizations that can be understood by anyone.

Conclusion

Magellan is now available and ready to provide a cohesive, flexible platform to enable machine-assisted decision making, automated analysis, and data driven process optimization throughout your organization.

For the organization who wants to get started quickly with pre-integrated and cost-effective Machine Learning and analytics, Magellan is unmatched. There has never been an easier or more powerful option for enterprises that need to implement AI, Magellan cost-effectively supports innumerable use cases on a cohesive, highly scalable infrastructure perfectly equipped for handling massive amounts of structured and unstructured data.

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