

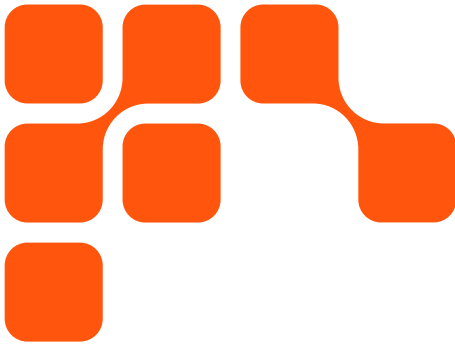


CLOUDERA

WHITEPAPER

Leveraging Data Lineage to Reduce Data Costs and Increase Efficiency

A Practical Guide



Introduction

The digital age has brought forth an unprecedented influx of data. Organizations, regardless of size or industry, are inundated with information at every turn. Senior data managers are entrusted with the monumental task of managing these vast pools of data. One of their foremost challenges lies in streamlining operations to ensure cost-effectiveness and efficiency.

In order to apply these practices, you need the best-in-class data lineage and data management solution like Cloudera Octopai Data Lineage to help organizations navigate their data.

This guide dives into the transformative potential of automated data lineage and Cloudera Octopai Data Lineage and how together they can revolutionize an organization's approach to data management and the subsequent benefits in efficiency and cost savings.

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The New Era of Automated Data Lineage

By leveraging Cloudera Octopai Data Lineage and data lineage solutions, organizations can dramatically alter their data management approach. The significant reduction in manual work. Effective data management can decrease manual tasks by up to 80%, which naturally translates to considerable time and cost savings.

Let's explore some of the distinct ways data lineage can reduce costs but also increase efficiency:

- **Reduction in Manual Labor:** Proper use of Data Lineage, especially Automated Data Lineage in modern data management lifecycles, slashes the burden of manual tasks, with some organizations reporting a whopping 80% decrease. This dramatic cut allows teams to pivot their attention to more strategic initiatives.
- **Lightening the Technical Team's Load:** The technical team, often find themselves overwhelmed. Incorporating Data Lineage reduces its workload by an impressive 40%, paving the way for innovative solutions and proactive problem-solving.
- **Democratizing Data:** With proper data documentation within platforms like Cloudera Octopai Data Lineage, data becomes everyone's business, not just the realm of tech gurus. It offers every data user, regardless of their technical prowess, the tools to engage with data confidently, fostering an inclusive environment for data-driven decision-making.
- **Faster Project Turnaround:** Amid shifting priorities and ever-evolving challenges that businesses face today, effective data planning can cut project timelines significantly. This agility enables organizations to be nimble in responding to market shifts and customer needs.
- **Transparency Takes Center Stage:** For effective project management, a clear view of costs and timelines is indispensable. Data management solutions offer this much-needed transparency, ensuring projects align with budgetary and time constraints.

Harnessing Data Lineage for Enhancing Efficiency & Cost-Effectiveness

- **Battling Data Duplication:** Duplication is an invisible cost monster. Beyond the immediate costs of excess storage, it muddies the waters of data management. Leveraging data management solutions like Cloudera Octopai Data Lineage allows for swift pinpointing and elimination of duplicate data, bolstering data accuracy and cost savings.
- **Streamlining Data Assets:** Data assets like reports and dashboards demand regular scrutiny to ensure relevance. Organizations can identify and either discard or refine outdated components. Such data hygiene ensures reduced computational effort, leading to heightened efficiency.
- **Efficient Root Cause Analysis:** Traditional methods of diagnosing data problems can be like chasing shadows. Cloudera Octopai Data Lineage brings light to this process, enabling organizations to swiftly track data's journey, ensuring quicker resolutions. This not only saves time but also significantly reduces associated costs.
- **Optimal Use of Computing Resources:** Cloudera Octopai Data Lineage offers a magnified view into data processes, exposing redundancies or inefficiencies. Addressing these can lead to a significant drop in resource usage, curbing costs and boosting system performance.
- **Mastering the Data Lifecycle:** Every byte of data has its own lifecycle. Cloudera Octopai Data Lineage, with its detailed insights, aids in understanding how data moves within an organization. These insights form the backbone of effective data lifecycle management strategies, ensuring data is stored in a cost-optimal yet accessible manner.





Conclusion

Navigating the intricate maze of data management is about striking the right balance: data should be accessible and accurate without breaking the bank. As data continues its upward trajectory in both volume and importance, platforms like Cloudera Octopai Data Lineage become the guiding star, illuminating the path for organizations in their data management journey.

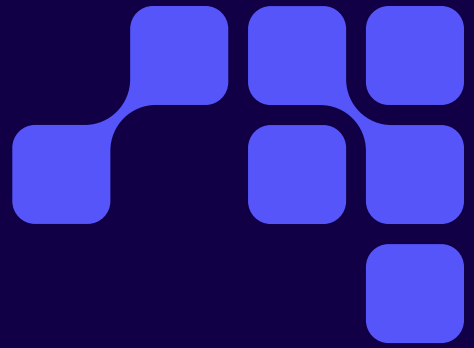
To see a live product of how Cloudera Octopai Data Lineage can save you on data costs visit:
<https://www.cloudera.com/products/unified-data-fabric/data-lineage.html>

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About Cloudera

Cloudera is the only true hybrid platform for data, analytics, and AI. With 100x more data under management than other cloud-only vendors, Cloudera empowers global enterprises to transform data of all types, on any public or private cloud, into valuable, trusted insights. Our open data lakehouse delivers scalable and secure data management with portable cloud-native analytics, enabling customers to bring GenAI models to their data while maintaining privacy and ensuring responsible, reliable AI deployments. The world's largest brands in financial services, insurance, media, manufacturing, and government rely on Cloudera to be able to use their data to solve the impossible — today and in the future.

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Cloudera, Inc. | 5470 Great America Pkwy, Santa Clara, CA 95054 USA | cloudera.com