

Lightbeam: Master Your Snowflake Environment with **Cost Optimization to Maximize Workload**



Introduction

In today's data-driven landscape, managing cloud costs while maintaining high performance is a critical challenge. Lightbeam, Mastek's proprietary cost management solution, is designed to give organizations the power to monitor, optimize, and streamline their Data Cloud platforms (like Snowflake, DataBricks) consumption, delivering actionable insights and substantial cost savings..

Core Business Challenges



Unpredictable Data Cloud Expenses:

Difficulty in forecasting and controlling expenses due to varying workloads and inefficient resource usage.



Limited Usage Insights: Lack of transparency into detailed usage metrics hampers the ability to pinpoint cost-driving activities.



Suboptimal Performance: Inefficient queries and poorly configured workloads lead to slower analytics and increased costs.



Operational Complexity: Manual monitoring of data cloud resources makes it hard to achieve consistent cost optimization.

Client Achievements with Lightbeam



Lightbeam's forecasting feature enabled leading **Trucking company** to plan even utilization through the year versus last's year budget which got consumed in 3 months



Financial Services reduced the cost of Data Specialist by leveraging Data Management automation using Lightbeam



Lightbeam helped leading **Healthcare Provider** to optimize cost and bringing in additional workloads without extra cost

How Lightbeam Solve this Challenges

Detailed Usage Analytics:

Offers in-depth visibility into resource consumption, providing a granular breakdown of where costs are incurred

Optimization

Recommendations: AI-driven insights suggest areas for improvement, such as query tuning, workload adjustments, and storage management

Multi-Region Compatibility:

Integrates effortlessly multiple instances of Snowflake offering a unified view of cloud resource utilization

Why Partnering with Mastek for Lightbeam

Comprehensive Expertise:

Decades of experience in cloud data management ensure that we provide tailored solutions for cost control and optimization.

Rapid Implementation:

Lightbeam's plug-and-play capabilities allow for a quick setup, enabling organizations to start seeing benefits almost immediately.

Continuous Innovation:

Mastek's commitment to enhancing Lightbeam means you gain access to the latest features and updates, keeping your platform Snowflake & other platform environment optimized and secure.

Unique Features of Lightbeam



Intelligent Forecast Usage and Billing:

Unlock Advanced Forecasting of Storage and compute Cost with drill down to better manage budget.



Single pane of view:

Consolidated data across multiple instances for better governance and faster decision making.



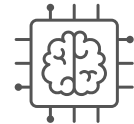
Query Analyzer:

Rapidly gain deep insights into queries to understand lags and get recommendations for improving performance



Query Optimizer:

Spot long-running queries in real time, optimize with AI to real-time track its performance and cost



AI powered Insights:

Get rapid Data-Driven Insights & Recommendations based on Best Practices for Optimization

Transform your Snowflake Experience with Lightbeam

Achieve greater efficiency, reduced costs, and enhanced performance across your cloud data operations.

Contact: info@mastek.com to learn more

About Mastek

Mastek is a trusted enterprise digital and cloud transformation partner, driving excellence across industries such as healthcare, retail, manufacturing, financial services, and the public sector in over 40 countries worldwide. With a focus on delivering tangible business outcomes, Mastek offers a comprehensive suite of services including digital experience & engineering, cloud implementations, data, automation & AI, and cloud managed services. As a preferred partner of industry leaders such as Oracle, Salesforce, Microsoft, AWS, and Snowflake, Mastek boasts a team of over 6000 professionals dedicated to delivering tailored solutions to medium-sized enterprises and global Fortune 1000 clients.

