BigQuery Cost Optimization

Step into the cloud and realize value.

Google has updated (effective July 5, 2023) their pricing structure for BigQuery (BQ). These changes may significantly increase the monthly bill for many BigQuery consumers which may lead to a potential need to evaluate your current implementation for areas of cost optimization.

These changes could include:

- On-demand price increases.

- New BigQuery Standard, Enterprise, and Enterprise Plus pricing editions.

- Monthly and annual flat and flex rates ending New Flex Agreements Enhanced auto-scaling costs scaled granularly.

- Compressed storage price changes.

Pythian can help you with answers to these questions:

- "How are these changes going to affect my costs if I don't do anything?"

- "What changes could I make to keep my costs as low as possible?"

- "Is there anything else I can do to optimize my BQ costs?"

Our services include a review of your current BQ implementation, a set of recommendations intended to optimize your BigQuery costs, and an implementation plan with associated costs and timing - everything you need to potentially realize a decrease in your annual spend. Additionally, we have a broad set of services around scaling your BigQuery usage that includes Security Assessment Services, DataOps for Analytics Platforms, and others that you can also look to integrate to provide further confidence in your platform.

Optimize your BigQuery implementation:

Pythian's expert-led approach includes a review of your existing implementation and gives you a clear path to achieving value:

- Expert review of your current configuration focused on the impacts on costs resulting from the various choices provided within the BigQuery offering changes.

- Use of standard tooling as input for recommendations such as (audit logs, cost management reports, cost billing API).

- Focus on where you have the largest opportunities for cost reduction through using evaluation tools against your specific priority workload under review.

- Provision of recommendations around a plan that reduces costs. Our recommendations include how to migrate to the new plan structures, how to reduce cost per query and other cost reductions that integrate best practices such as optimizing table schemas or denormalizing, using caching, partitioning, clustering, and implementing alerts among others.

Pythian

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Manage your analytics platform with a robust cost management strategy

With Pythian's focus on outcomes, everyone benefits:

* **IT professionals:** Managing analytic platforms and related infrastructure is demanding. Uptime, cost, scalability, new services and growing data have augmented demands. Discover how Pythian's BigQuery Cost Optimization and other data and analytics services can lead to operational confidence.

* **Analytics professionals:** Drive optimal performance and cost by making your workloads run optimally and securely. We can further support, through our broader services, and integrate more data from multiple data sources, create a single source of truth and automate many time-consuming tasks.

* **Business professionals:** Get insights through a cost effective, performant and tuned system. Gain line of sight to costs while adding business value.

Contact us and get your BigQuery optimized!

Pythian has a team ready to evaluate your BigQuery configuration and provide a path to a more efficient implementation. Contact us today! — info@pythian.com.

Our approach provides actionable value including:

* Documentation of the review criteria, approach, and resulting recommendation to minimize any negative impact of price changes with an outline of which pricing plan is most optimal.

* A clear roadmap with actions, costs and timing showing how the recommendations can be implemented.

* High level recommendations for other changes that might also reduce costs.

About Pythian

Founded in 1997, Pythian is a global IT services company that helps organizations transform how they compete and win by helping them turn data into valuable insights, predictions and products. From cloud automation to machine learning, Pythian designs, implements and supports customized solutions to the toughest data challenges.

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DS-052023-V01