



DATA WAREHOUSE OFFLOAD TO GOOGLE BIGQUERY

KEY BENEFITS OF MOVING TO GOOGLE BIGQUERY

- Reduces costs and shifts your investment from CAPEX to OPEX
- Scales easily and on demand
- Enables self-service analytics and advanced analytics

In a world where big data presents both a major opportunity and a considerable challenge, a rigid, highly governed traditional enterprise data warehouse isn't always the best choice for processing large workloads, or for applications like analytics. Google BigQuery is a lightning-fast cloud-based analytics database that lets you keep up with the growing data volumes you need to derive meaningful business value, while controlling costs and optimizing performance.

Pythian's Data Warehouse Offload to Google BigQuery service moves your workload from an existing legacy data warehouse to a Google BigQuery data warehouse using our proven methodology and Google experts—starting with a fixed-cost Proof of Concept stage that will quickly demonstrate success.

GETTING STARTED

The Pythian Data Warehouse Offload to Google BigQuery service follows a proven methodology and delivers a Proof of Concept (POC) that demonstrates viability and value within three to four weeks. The POC phase will follow this workflow:

1. Assess existing data warehouse environment to identify tables and up to two reports that will be offloaded in this phase
2. Provision GCP infrastructure including Cloud storage, Bastion hosts, BigQuery, and Networking
3. Implement full repeatable extract/load process for selected tables
4. Implement selected reports on BigQuery
5. Produce report

PYTHIAN DELIVERS

By the end of the first stage of our engagement, you can expect to have:

- Working prototype on BigQuery
- Up to two reports
- Demonstrated analysis capabilities using one fact with five associated dimensions

- Report that includes: an assessment of your current setup (including a cost analysis for BigQuery), performance/usability analysis of POC vs. existing data warehouse, roadmap + backlog plus an effort estimate to migrate entire warehouse to BigQuery
- Data migration pipeline documentation

PRICING AND TIMING

\$25K USD and delivery within four weeks of the start of the project.

THE FINE PRINT

- The customer is responsible for setting up and funding a Google Cloud Platform account. Connectivity between Google Cloud Platform and the client's existing data warehouse should be established prior to the Pythian engagement to ensure timely delivery.
- While this is the first step to having a modern cloud based data warehouse to support analytics, this is not a complete Data Warehouse.
- Pythian reserves the right to reject or reprice data warehouses based on complexity or unexpected configurations or attributes.

WHY PYTHIAN

Pythian, a Google Premier Partner, is a 400 person global IT Services company that specializes in Cloud, IT Infrastructure and Analytics. Our certified Google Cloud Platform experts provide you the services you need when you need them. Customize your service package by choosing what you need –from initial consulting to system design and architecture, to initial response, incident handling, and proactive management. Although the Data Warehouse Offload to BigQuery service is a defined work package that results in a specific POC deliverable, Pythian can provide you with the consulting

and support you need to plan and maintain your full Google BigQuery data warehouse and enterprise analytics implementation. As a next step, Pythian can enable analytics using your BigQuery environment, through an end-to-end Analytics-as-a-Service platform on Google Cloud.

SAMPLE PROJECTS

- Pythian introduced a cost-effective, real-time data pipeline that ingested and processed a stream of live, in-store shopper location data to identify the best performing store displays for a clothing retail giant. Pythian recommended Google Cloud Platform solutions, including BigQuery to reduce infrastructure and maintenance costs.
- Pythian helped a large financial company move their Vertica data warehouse to Google BigQuery, then helped them design the GCP project structure, dataset layout and advanced access control to meet the complex information and access management requirements of the financial sector. Pythian analyzed BigQuery resource usage, carried out performance tuning of large scale workloads and designed a custom resource scheduler around the BigQuery platform.
- A large financial organization asked Pythian to design a cataloging and metadata management solution around the BigQuery platform to gather insight into how information was being used, and by whom. Pythian helped them set automated rules and alerts to identify malicious activities in real time and block them. Using the information catalog, metadata and usage pattern analysis, the company could better structure teams and schedule resources to optimize platform utilization and provide fair resource sharing across the entire organization.

ABOUT PYTHIAN

Pythian is a global IT services company that helps companies compete by adopting disruptive technologies such as advanced analytics, big data, cloud, databases, DevOps and infrastructure management to advance innovation and increase agility. Pythian's highly skilled technical teams work as an integrated extension of our clients' organizations to deliver continuous transformation and uninterrupted operational excellence.

OFFICES

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