

# Google Cloud Platform BigQuery

BigQuery is Google's fully managed, petabyte scale, low cost analytics data warehouse. BigQuery is NoOps—there is no infrastructure to manage and you don't need a database administrator—so you can focus on analyzing data to find meaningful insights, use familiar SQL, and take advantage of our pay-as-you-go model.

## Features

- Fully-managed analytics data warehouse.
- Near real-time interactive analysis of massive datasets (hundreds of TBs).
- SQL like syntax.
- Zero administration for performance and scale.
- Pay for storage and processing only.
- Discounts for long term data storage.

## Points of Interest

- Datasets:
  - Are a grouping mechanism that holds zero or more tables.
  - Are the lowest unit of access control.
  - Are owned by projects.
- Object names are relative to the project.
- Tables:
  - Are the row-column structures that contain actual data within a dataset.
  - Can not have access control.
  - Have a schema.
  - Have strongly-typed columns of values.
  - Support views.
  - Can be virtual defined by an SQL query.
  - Can be external (federated).
  - Can query Cloud Storage directly.