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 the 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 mechanizm 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.