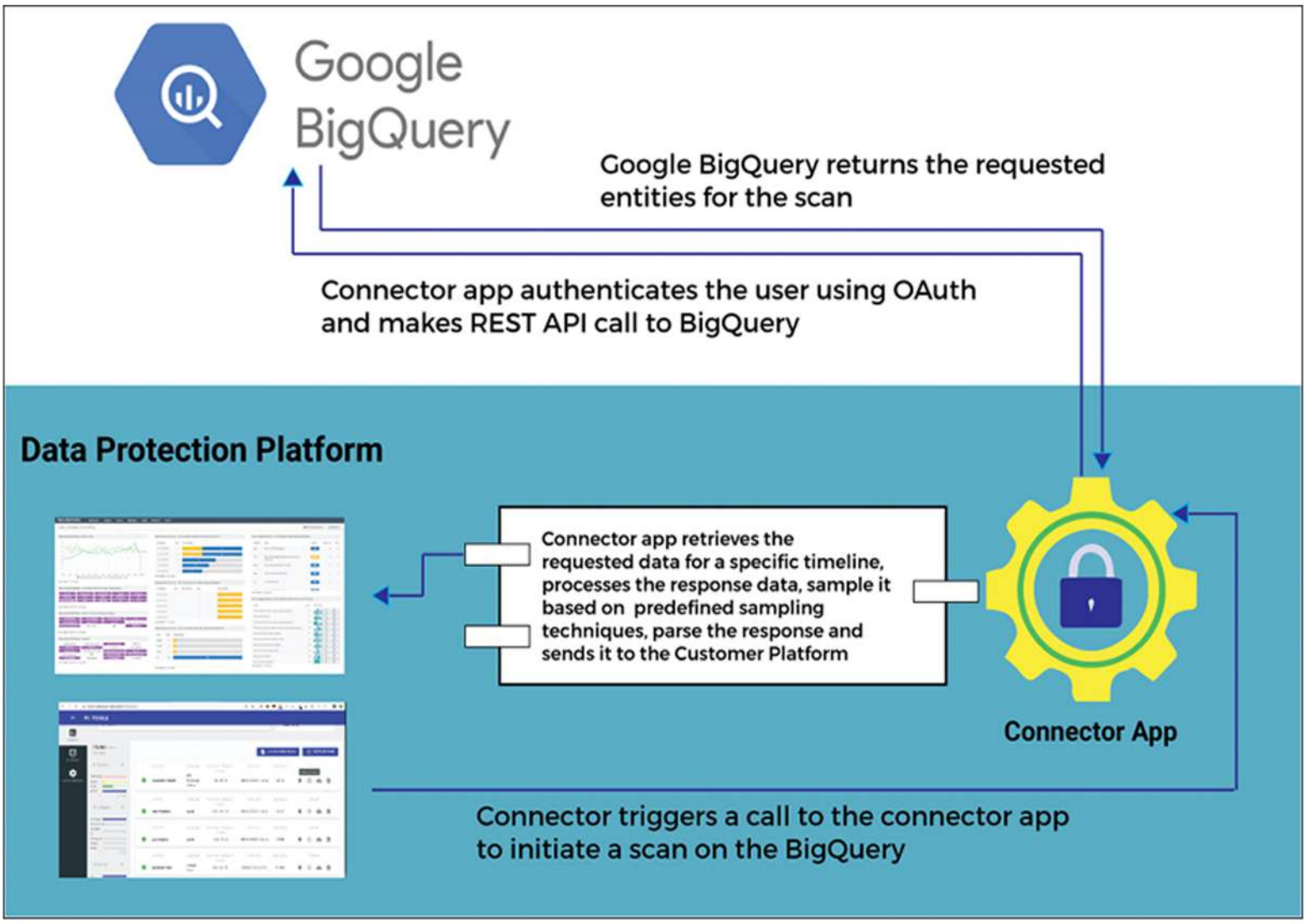
Data Protection platform integration with Google BigQuery



Customer

Customer is a leading Personal Data Privacy and Protection provider.

It enables organizations to discover and map all types of data from all enterprise data sources; automatically classify, correlate, and catalogue identity & entity data into profiles; manage and protect enterprise data with advanced data intelligence; and automate data privacy and protection.

It identifies all PII across structured, unstructured, cloud & Big Data.

Requirement

Customer requested to build a Connector app to integrate their platform with Google BigQuery to scan the data present in the BigQuery for finding the PII information.

Technology Solution

- BigQuery is a fully-managed data warehouse on RESTful web service that enables scalable, cost-effective and fast analysis of big data working in conjunction with Google Cloud Storage.
- Sacumen developed the Connector app to integrate Google BigQuery using C# 8.0 (.NET Core 3.0). The Connector app performs the following actions:
  - Set up the OAuth consent screen in Cloud Console and get the Client Id and Client Secret to authenticate the API.
  - Connects to Cloud BigQuery using the ProjectId and the OAuth flow
  - Retrieves the data of all the entities from the database.
  - Gets the requested data within a certain timeline.
  - Samples the fetched data using predefined sampling techniques.
  - Formats the received data in the required format and pass it to the customer.

SACUMEN Security Execution Partner

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