



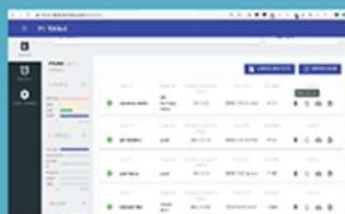
# Data Protection platform integration with Amazon Redshift



AWS Redshift returns the requested data for the scan

Connector app to AWS REDSHIFT cluster using AWS Identity and Access Management(IAM) user. It requests for the required data using queries

## Data Protection Platform



Connector app retrieves the requested data for a specific timeline, processes the response data, sample it based on predefined sampling techniques, parse the response and sends it to the Customer Platform



Connector App

Connector triggers a call to the connector app to initiate a scan on the AWS Redshift cluster



## 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.

Customer requested to build a Connector App to integrate their platform with Amazon Redshift to scan the data present in the Amazon Redshift for finding the PII information.



## Requirement



## Technology Solution

- Amazon Redshift is a fully managed, petabyte-scale data warehouse service in the cloud.
- Sacumen developed the Connector App to integrate Amazon Redshift using C# 8.0 (.NET Core 3.0). The Connector App performs the following actions:
  - Creates an AWS Identity and Access Management (IAM) User.
  - Connects to AWS Redshift cluster using the connection string.
  - Retrieves the data of all the tables 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.

