![Sacumen - Security Execution Partner]

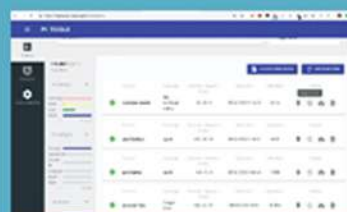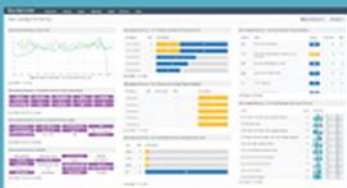# Data Protection platform integration with Amazon DynamoDB

amazon DynamoDB

AWS DynamoDB returns the requested data for the scan

Connector app creates AWS DynamoDB client using AWS credentials. It requests for the required data using context

Data Protection Platform

Connector app retrieves the requested data for 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 DynamoDB

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 Amazon DynamoDB to scan the data present in the Amazon DynamoDB for finding the PII information.

Technology Solution

- Amazon DynamoDB is a key-value and document database that delivers single-digit millisecond performance at any scale. It's a fully managed, multi-region, Multi-master, durable database with built-in security, backup and restore, and in-memory caching for internet-scale applications.
- Sacumen developed the Connector app to integrate Amazon DynamoDB using C# 8.0 (.NET Core 3.0). The Connector app performs the following actions:
  - Creates an AWS User and get AWS account access key and secret key.
  - Creates a DynamoDB client and connect to the database.
  - 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.