CAMBRIDGE SEMANTICS INC.

Cambridge Semantics extends AnzoGraph for Google Cloud Storage

GS Lab | GAVS was an engineering partner for Cambridge Semantics Inc.

The challenge

AnzoGraph, a graph database with massive parallel processing ability, needed an integration with Google Cloud object storage to seamlessly fetch or store data required for processing. CSI wanted to build a pluggable extension to the AnzoGraph database which can be registered and loaded into database extending the IO capabilities of database SPARQL queries.

The solution

The architects at GS Lab | GAVS partnered with the CSI team to design and deliver an efficient solution by developing a User-Defined Extension (UDX). This extension was developed to be an integral part of AnzoGraph. Apart from the standard upload and download operations, more advanced use cases such as compression algorithms, versioning, encryption and content encoding were also taken care of.

The result

GS Lab | GAVS has developed the unified/programmatic application which serves as plugin to the database. The JSON-based authentication can be consumed easily by the end-users. There is a JSON-based easy to understand object parameter configuration. Once deployed to any VM instance/Kubernetes pod in GCP, the UDX can be used for the operations related to the cloud storage.

> This UDX provided AnzoGraph with an ability to integrate seamlessly with the Google Cloud Storage. It offers a unified configuration format for service authentication minimizing human errors.

About Cambridge Semantics Inc.
Cambridge Semantics Inc. (CSI) is a modern data management and enterprise analytics software company. Their product Anzo (utilizing AnzoGraph) is the most complete, scalable, and powerful knowledge graph platform. Anzo quickly transforms siloed data into highly connected knowledge graphs.
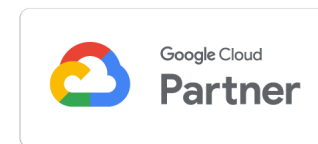
Vertical/horizontal solution: Software & Internet

Primary project location: United States

About GAVS Technologies Private Limited
GS Lab | GAVS offers digital product engineering, AI-led managed services, and digital transformation services to customers across the globe.

Products
Google Cloud Platform